

Characteristic Group Details

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BEACH1 | Beach Sampling 6/3/85-12/31/04 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Enterococcus Group Bacteria | #/ml | Total | Actual | | | | | SM 9230.C.2 | |
| 10 | Total Coliform | MPN | Total | Actual | | | | | 9221-B | |
| 11 | Fecal Coliform | #/ml | Total | Actual | | | | | 9222-D | |
| 12 | Fecal Coliform | MPN | Total | Actual | | | | | 9221-E | |
| 13 | Total Nonfecal Coliform | #/ml | Total | Actual | | | | | 9222-B | |
| 14 | Escherichia | #/100ml | Total | Actual | | | | | 10029 | |
| 2 | Escherichia | #/ml | Total | Actual | | | | | SM 9213.D.3 | |
| 3 | Escherichia | MPN | Total | Actual | | | | | 1104 | |
| 4 | Fecal Streptococcus Group Bacteria | #/ml | Total | Actual | | | | | SM 9230.C.2 | |
| 5 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | | | | | 9230-B | |
| 6 | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| 7 | pH | None | Total | Actual | | | | | 150.1 | |
| 8 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 9 | Total Coliform | #/ml | Total | Actual | | | | | 9222-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| BEACH2 | Beach Sampling 01/01/05 - | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| 2 | Escherichia | #/100ml | Total | Actual | | | | | SM 19 9213.D.3 | |
| 3 | Enterococcus Group Bacteria | MPN/100ml | Total | Actual | | | | | ENTEROLERT | |

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|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4 | Escherichia | #/100ml | Total | Actual | | | | | 10029 | |
| 5 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| 6 | Escherichia | #/100ml | Total | Actual | | | | | 9223-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BM-BIO | Biomonitoring-Biological | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-----------------------|------------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Ablabesmyia | | count Habit | Actual Sprawl | | | MX | |
| 10 | Acroneuria | | count Habit | Actual Cling | | | PR | |
| 100 | Collembola | | count Habit | Actual Other | | | CG | |
| 101 | Conchapelopia | | count Habit | Actual Sprawl | | | PR | |
| 102 | Cordulegaster | | count Habit | Actual Burrow | | | PR | |
| 103 | Cordulegaster maculata | | count Habit | Actual Burrow | | | PR | |
| 104 | Corduliidae | | count Habit | Actual Sprawl | | | PR | |
| 105 | Corydalidae | | count Habit | Actual Cling | | | PR | |
| 106 | Corydalus | | count Habit | Actual Cling | | | PR | |
| 107 | Corydalus cornutus | | count | Actual | | | PR | |

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|--------|-------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 108 | Corynoneura | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 109 | Crangonyx | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 11 | Acroneuria abnormis | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 110 | Cricotopus | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 111 | Cricotopus (Isocladius) | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 112 | Cricotopus bicinctus | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 113 | Cricotopus curtus | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 114 | Cricotopus festivellus | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 116 | Cricotopus sylvestris | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 117 | Cricotopus tremulus | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 119 | Cricotopus triannulatus | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 12 | Acroneuria lycorias | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 120 | Cricotopus tricinctus | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 121 | Cricotopus trifascia | | count | Actual | | | MX | |

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|--------|------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Swim | | | | |
| 123 | Cricotopus vierriensis | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 124 | Cryptochironomus | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 125 | Culicoides | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 126 | Cyphoderus | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 127 | Cyrnellus | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 128 | Decapoda | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 129 | Demicryptochironomus | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 13 | Aeshna | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 130 | Dentatella | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 131 | Dentatella bartoni | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 132 | Dero digitata | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 133 | Dero furcata | | count | Actual | | | CG | Q |
| | | | Habit | Other | | | | |
| 134 | Dero nivea | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 135 | Diamesa | | count | Actual | | | CG | |

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|--------|---------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Sprawl | | | | |
| 136 | Diamesinae | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 137 | Dicranota | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 138 | Dicrotendipes | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 139 | Dicrotendipes neomodestus | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 14 | Aeshnidae | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 140 | Dineutus | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 141 | Dipheter | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 142 | Dipheter hageni | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 143 | Diplectrona | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 144 | Diplocladius | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 145 | Diplostraca | | count | Actual | | | MX | |
| | | | Habit | Swim | | | | |
| 146 | Dixa | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 147 | Djalmabatista | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 148 | Dolophilodes | | count | Actual | | | CF | |

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|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 149 | Dromogomphus | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 15 | Agapetus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 150 | Dubiraphia | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 151 | Ectopria | | count | Actual | | | SC | |
| | | | Habit | Sprawl | | | | |
| 152 | Elmidae | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 153 | Empididae | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 154 | Enallagma | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 155 | Enchytraeidae | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 156 | Endochironomus | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 157 | Epeorus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 158 | Epeorus vitreus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 159 | Ephemera | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 16 | Agarodes | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 160 | Ephemerella | | count | Actual | | | CG | |

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|--------|------------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 161 | Ephemerellidae | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 162 | Ephemeroptera | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 163 | Erpobdellidae | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 164 | Eukiefferiella | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 165 | Eukiefferiella brehmi | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 167 | Eukiefferiella brevicalcar | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 168 | Eukiefferiella claripennis | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 169 | Eukiefferiella devonica | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 17 | Agnatina | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 172 | Eukiefferiella discoloripes | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 173 | Eukiefferiella gracei | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 174 | Eukiefferiella pseudomontana | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 176 | Eukiefferiella similis | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 177 | Eurylophella | | count | Actual | | | CG | |

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| | | | Habit | Cling | | | | |
| 178 | Ferrissia | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 179 | Ferrissia rivularis | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 18 | Agnetina capitata | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 180 | Gammaridae | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 181 | Gammarus | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 182 | Gammarus fasciatus | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 183 | Gammarus lacustris | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 184 | Gastropoda | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 185 | Glossiphoniidae | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 186 | Glossosoma | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 187 | Glossosomatidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 188 | Glyptotendipes | | count | Actual | | | SH | |
| | | | Habit | Burrow | | | | |
| 189 | Goera | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 19 | Agraylea | | count | Actual | | | CG | |

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|--------|------------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Climb | | | | |
| 190 | Gomphidae | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 191 | Gomphus | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 192 | Gyraulus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 193 | Habrophlebia | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 194 | Hagenius | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 195 | Hagenius brevistylus | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 196 | Haliphus | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 197 | Haploperla | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 198 | Helicopsyche | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 199 | Helicopsyche borealis | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 2 | Ablabesmyia annulata | | count | Actual | | | MX | |
| | | | Habit | Burrow | | | | |
| 20 | Alboglossiphonia heteroclita | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 200 | Helisoma | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 201 | Helisoma anceps | | count | Actual | | | SC | |

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|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 202 | Hemerodromia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 203 | Hemiptera | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 204 | Heptagenia | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 205 | Heptageniidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 206 | Hetaerina | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 207 | Heterocloeon | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 208 | Hexagenia | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 209 | Hexatoma | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 21 | Allonais inequalis | | count | Actual | | | CG | |
| | | | Habit | Climb | | | | |
| 210 | Hirundinea | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 211 | Hudsonimyia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 212 | Hyalella | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 213 | Hyalella azteca | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 214 | Hydatophylax | | count | Actual | | | SH | |

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| | | | Habit | Sprawl | | | | |
| 215 | Hydrachna | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 216 | Hydrachnidae | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 217 | Hydridae | | count | Actual | | | NA | |
| | | | Habit | Cling | | | | |
| 218 | Hydrobiidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 219 | Hydrodroma | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 22 | Ameletus | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 220 | Hydroporus | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 221 | Hydropsyche | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 222 | Hydropsyche aerata | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 223 | Hydropsyche betteni | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 224 | Hydropsyche dicantha | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 225 | Hydropsyche phalerata | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 226 | Hydropsyche venularis | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 227 | Hydropsychidae | | count | Actual | | | CF | |

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| | | | Habit | Cling | | | | |
| 228 | Hydroptila | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 229 | Hydroptilidae | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 23 | Amnicola | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 230 | Hydrozetes | | count | Actual | | | NA | |
| | | | Habit | Other | | | | |
| 231 | Hydryphantidae | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 232 | Hygrobates | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 233 | Hygrobatidae | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 234 | Ischnura | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 235 | Isogenoides | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 236 | Isonychia | | count | Actual | | | CF | |
| | | | Habit | Swim | | | | |
| 237 | Isoperla | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 238 | Isotomurus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 239 | Labrundinia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 24 | Amphinemura | | count | Actual | | | SH | |

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| | | | Habit | Sprawl | | | | |
| 240 | Labrundinia pilosella | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 241 | Laevapex fuscus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 242 | Lanthus | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 243 | Larsia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 244 | Lauterborniella | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 245 | Lebertia | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 246 | Lepidoptera | | count | Actual | | | SH | |
| | | | Habit | Other | | | | |
| 247 | Lepidostoma | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 248 | Lepidostomatidae | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 249 | Leptoceridae | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 25 | Amphipoda | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 250 | Leptophlebia | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 251 | Leptophlebiidae | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 252 | Lestes | | count | Actual | | | PR | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Climb | | | | |
| 253 | Lestidae | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 254 | Leucotrichia | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 255 | Leucrocuta | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 256 | Leuctra | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 257 | Leuctridae | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 258 | Limnephilidae | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 259 | Limnocharidae | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 26 | Ancylidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 260 | Limnodrilus hoffmeisteri | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 261 | Limnodrilus udekemianus | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 262 | Limnophila | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 263 | Limonia | | count | Actual | | | SH | |
| | | | Habit | Burrow | | | | |
| 264 | Lixus | | count | Actual | | | SH | |
| 265 | Lopescladius | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |

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|--------|------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 266 | Lumbricidae | | count | Actual | | | | |
| 267 | Lumbriculidae | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 268 | Lumbriculus | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 269 | Lumbriculus variegatus | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 27 | Ancyronyx | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 270 | Lymnaeidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 271 | Lype | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 272 | Lype diversa | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 273 | Macromia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 274 | Macromiinae | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 275 | Macronychus | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 276 | Macrostemum | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 277 | Mallochohelea | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 278 | Megaloptera | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 279 | Metisotoma | | count | Actual | | | CG | |

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|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Other | | | | |
| 28 | Anisoptera | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 280 | Micrasema | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 281 | Microcyloopus | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 282 | Micropsectra | | count | Actual | | | CG | |
| | | | Habit | Climb | | | | |
| 283 | Microtendipes | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 284 | Microtendipes pedellus | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 285 | Microtendipes rydalensis | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 286 | Microvelia | | count | Actual | | | PR | |
| | | | Habit | Skater | | | | |
| 287 | Mideopsis | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 288 | Mooreobdella fervida | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 289 | Munroessa | | count | Actual | | | SH | |
| | | | Habit | Climb | | | | |
| 29 | Anopheles | | count | Actual | | | CF | |
| | | | Habit | Swim | | | | |
| 290 | Musculium | | count | Actual | | | CF | |
| | | | Habit | Burrow | | | | |
| 291 | Mystacides | | count | Actual | | | CG | |

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|--------|----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 292 | Naididae | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 293 | Nais | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 294 | Nais alpina | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 295 | Nais behningi | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 296 | Nais bretscheri | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 297 | Nais communis | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 298 | Nais pardalis | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 299 | Nais simplex | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 3 | Ablabesmyia mallochi | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 30 | Anthopotamus | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 300 | Nanocladius | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 301 | Nanocladius downesi | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 303 | Nectopsyche | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 304 | Nemata | | count | Actual | | | MX | |

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|--------|-------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Other | | | | |
| 305 | Nemertea | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 306 | Nemocapnia | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 307 | Nemouridae | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 308 | Neoperla | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 309 | Neophylax | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 31 | Anthopotamus distinctus | | count | Actual | | | CF | |
| | | | Habit | Burrow | | | | |
| 310 | Neureclipsis | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 311 | Neurocordulia | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 312 | Nigronia | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 313 | Nigronia serricornis | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 314 | Nilotanypus | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 315 | Nilothauma | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 316 | Nyctiophylax | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 319 | Ochrotrichia | | count | Actual | | | CG | |

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|--------|-----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 32 | Antocha | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 320 | Odonata | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 321 | Odontoceridae | | count | Actual | | | SH | |
| | | | Habit | Other | | | | |
| 322 | Oecetis | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 323 | Oligochaeta | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 324 | Oligostomis | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 325 | Ophidonais serpentina | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 326 | Ophiogomphus | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 327 | Optioservus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 328 | Orconectes | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 329 | Orconectes limosus | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 33 | Apatania | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 330 | Oreodytes | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 331 | Orthoclaadiinae | | count | Actual | | | CG | |

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|--------|-----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Burrow | | | | |
| 332 | Orthocladus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 333 | Orthocladus annectens | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 334 | Orthocladus dentifer | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 335 | Orthocladus lignicola | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 336 | Orthocladus rivulorum | | count | Actual | | | PH | |
| | | | Habit | Other | | | | |
| 337 | Orthotrichia | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 338 | Oulimnius | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 339 | Oulimnius latiusculus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 34 | Arctopsyche | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 340 | Oxyethira | | count | Actual | | | PH | |
| | | | Habit | Cling | | | | |
| 341 | Pagastia | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 342 | Pagastiella | | count | Actual | | | NA | |
| | | | Habit | Sprawl | | | | |
| 343 | Parachaetocladus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 344 | Parachironomus | | count | Actual | | | PR | |

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|--------|------------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Sprawl | | | | |
| 345 | Parachironomus carinatus | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 346 | Parachironomus monochromus | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 347 | Parachironomus pectinatellae | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 348 | Paracladopelma | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 349 | Paragnetina | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 35 | Argia | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 350 | Paragnetina immarginata | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 351 | Paragnetina media | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 352 | Parakiefferiella | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 353 | Paralauterborniella | | count | Actual | | | CL | |
| | | | Habit | Cling | | | | |
| 354 | Paraleptophlebia | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 355 | Paraleuctra | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 356 | Paramerina | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 357 | Parametrioctenemus | | count | Actual | | | CG | |

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|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Sprawl | | | | |
| 358 | Paraponyx | | count | Actual | | | SH | |
| | | | Habit | Climb | | | | |
| 359 | Parapsyche | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 36 | Armiger | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 360 | Paratanytarsus | | count | Actual | | | CF | |
| | | | Habit | Sprawl | | | | |
| 361 | Paratendipes | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 362 | Peltoperlidae | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 363 | Pentaneura | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 364 | Pericoma | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 365 | Perlidae | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 366 | Perlodidae | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 367 | Petrophila | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 368 | Phaenopsectra | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 369 | Philopotamidae | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 37 | Armiger crista | | count | Actual | | | SC | |

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| | | | Habit | Cling | | | | |
| 370 | Physa | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 371 | Physella | | count | Actual | | | SC | |
| | | | Habit | Burrow | | | | |
| 372 | Physella heterostropha | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 373 | Physidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 374 | Pisidium | | count | Actual | | | CF | |
| | | | Habit | Burrow | | | | |
| 375 | Planariidae | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 376 | Planorbidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 377 | Plecoptera | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 378 | Polycentropodidae | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 379 | Polycentropus | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 38 | Atherix | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 380 | Polypedilum | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 381 | Polypedilum aviceps | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 382 | Polypedilum convictum | | count | Actual | | | SH | |

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| | | | Habit | Climb | | | | |
| 383 | Polypedilum fallax | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 384 | Polypedilum illinoense | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 385 | Polypedilum laetum | | count | Actual | | | SH | |
| | | | Habit | Climb | | | | |
| 386 | Polypedilum ontario | | count | Actual | | | SH | |
| | | | Habit | Other | | | | |
| 387 | Polypedilum scalaenum | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 389 | Polypedilum tritum | | count | Actual | | | SH | |
| | | | Habit | Climb | | | | |
| 39 | Atherix lantha | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 390 | Potthastia | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 391 | Potthastia gaedii | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 392 | Potthastia longimana | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 393 | Pristina | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 394 | Pristina aequiseta | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 396 | Pristina leidyi | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 397 | Pristina osborni | | count | Actual | | | CG | |

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| | | | Habit | Other | | | | |
| 398 | Pristinella jenkiniae | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 399 | Pristinella osborni | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 4 | Acentrella | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 40 | Atractides | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 400 | Probezzia | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 401 | Probythinella lacustris | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 402 | Procladius | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 403 | Procloeon | | count | Actual | | | MX | |
| | | | Habit | Swim | | | | |
| 404 | Progomphus | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 405 | Promoresia | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 406 | Promoresia elegans | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 407 | Promoresia tardella | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 408 | Prosimulium | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 409 | Prostoma | | count | Actual | | | PR | |

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| | | | Habit | Other | | | | |
| 41 | Aturus | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 410 | Protzia | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 411 | Psectrocladius | | count | Actual | | | CG | |
| | | | Habit | Climb | | | | |
| 412 | Psectrocladius psilopterus | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 413 | Psephenidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 414 | Psephenus | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 415 | Psephenus herricki | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 416 | Pseudochironomus | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 417 | Pseudocloeon | | count | Actual | | | SC | |
| | | | Habit | Swim | | | | |
| 418 | Pseudosuccinea columella | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 419 | Psilotreta | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 42 | Baetidae | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 420 | Psychodidae | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 421 | Psychomyia | | count | Actual | | | MX | |

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| | | | Habit | Cling | | | | |
| 422 | Psychomyiidae | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 423 | Pteronarcys | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 424 | Pteronarcys biloba | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 425 | Ptilodactylidae | | count | Actual | | | SH | |
| | | | Habit | Other | | | | |
| 426 | Ptilostomis | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 427 | Ptychoptera | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 428 | Pycnopsyche | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 429 | Pyralidae | | count | Actual | | | SH | |
| | | | Habit | Climb | | | | |
| 43 | Baetis | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 430 | Rhagovelia | | count | Actual | | | PR | |
| | | | Habit | Skater | | | | |
| 431 | Rheocricotopus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 432 | Rheocricotopus robacki | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 433 | Rheopelopia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 434 | Rheotanytarsus | | count | Actual | | | CF | |

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|--------|-----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 436 | Rhithrogena | | count | Actual | | | MX | |
| | | | Habit | Cling | | | | |
| 437 | Rhyacophila | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 438 | Rhyacophila fuscula | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 439 | Rhyacophilidae | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 44 | Baetis brunneicolor | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 440 | Rhyncholimnocochara | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 441 | Ripistes parasita | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 442 | Serratella | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 443 | Setodes | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 444 | Sialis | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 445 | Simuliidae | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 446 | Simulium | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 447 | Slavina | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 448 | Slavina appendiculata | | count | Actual | | | CG | |

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|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Other | | | | |
| 449 | Specaria josinae | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 45 | Baetis flavistriga | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 450 | Sperchon | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 451 | Sperchonidae | | count | Actual | | | NA | |
| | | | Habit | Other | | | | |
| 452 | Sperchonopsis | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 453 | Sperchopsis | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 454 | Sphaeriidae | | count | Actual | | | CF | |
| | | | Habit | Burrow | | | | |
| 455 | Sphaerium | | count | Actual | | | CF | |
| | | | Habit | Burrow | | | | |
| 456 | Stactobiella | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 457 | Stempellina | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 458 | Stempellinella | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 459 | Stenacron | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 46 | Baetis intercalaris | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 460 | Stenacron interpunctatum | | count | Actual | | | MX | |

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|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 461 | Stenelmis | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 462 | Stenochironomus | | count | Actual | | | MX | |
| | | | Habit | Burrow | | | | |
| 463 | Stenonema | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 464 | Stenonema luteum | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 465 | Stenonema mediopunctatum | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 466 | Stenonema modestum | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 467 | Stenonema vicarium | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 468 | Stictochironomus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 469 | Stilocladius | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 47 | Baetisca | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 470 | Stilocladius clinopecten | | count | Actual | | | NA | |
| | | | Habit | Sprawl | | | | |
| 471 | Stylaria | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 472 | Stylaria fossularis | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 473 | Stylaria lacustris | | count | Actual | | | CG | |

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|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Other | | | | |
| 474 | Stylogdrilus | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 475 | Stylogdrilus heringianus | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 476 | Stylogomphus | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 477 | Sublettea | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 478 | Sublettea coffmani | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 479 | Sweltsa | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 48 | Baetisca berneri | | count | Actual | | | MX | |
| | | | Habit | Sprawl | | | | |
| 480 | Synorthocladius | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 481 | Synurella | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 482 | Synurella chamberlaini | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 483 | Tabanidae | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 484 | Tabanus | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 485 | Taeniopteryx | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 486 | Tallaperla | | count | Actual | | | SH | |

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|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 487 | Tanypodinae | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 488 | Tanytarsus | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 489 | Thienemanniella | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 49 | Belostoma | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 490 | Thienemannimyia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 492 | Thyopsella | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 493 | Tipula | | count | Actual | | | SH | |
| | | | Habit | Burrow | | | | |
| 494 | Tipulidae | | count | Actual | | | SH | |
| | | | Habit | Burrow | | | | |
| 495 | Torrenticola | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 496 | Triaenodes | | count | Actual | | | SH | |
| | | | Habit | Swim | | | | |
| 497 | Tribelos | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 498 | Trichoptera | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 499 | Tricorythodes | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 5 | Acentrella ampla | | count | Actual | | | CG | |

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|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Swim | | | | |
| 50 | Beraea | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 500 | Trombidiformes | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 501 | Tubifex | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 502 | Tubificidae | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 503 | Turbellaria | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 504 | Tvetenia | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 505 | Tvetenia bavarica | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 507 | Tvetenia vitracies | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 508 | Uncinaiis | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 509 | Uncinaiis uncinata | | count | Actual | | | CF | |
| | | | Habit | Other | | | | |
| 51 | Berosus | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 510 | Unionidae | | count | Actual | | | CF | |
| | | | Habit | Burrow | | | | |
| 511 | Unniella multivirga | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 512 | Valvata | | count | Actual | | | SC | |

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|--------|----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 513 | Vejdovskyella comata | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 514 | Veliidae | | count | Actual | | | PR | |
| | | | Habit | Skater | | | | |
| 515 | Viviparidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 516 | Wormaldia | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 517 | Zavreliomyia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 519 | Acentria | | count | Actual | | | | |
| 52 | Bezzia | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 520 | Aedes | | count | Actual | | | | |
| 521 | Agabus | | count | Actual | | | | |
| 522 | Banksiola | | count | Actual | | | | |
| 523 | Campeloma decisum | | count | Actual | | | | |
| 524 | Chaoborus | | count | Actual | | | | |
| 525 | Chrysops | | count | Actual | | | | |
| 526 | Clioperla | | count | Actual | | | | |
| 527 | Cordulia | | count | Actual | | | | |
| 528 | Corisella | | count | Actual | | | | |
| 529 | Dixella | | count | Actual | | | | |
| 530 | Helius | | count | Actual | | | | |
| 531 | Hesperocorixa | | count | Actual | | | | |

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|--------|---------------------|-----------|-----------------------|-----------------|----------------|---------------------------|--------------------------|---------------|
| 532 | Hydrocanthus | | count | Actual | | | | |
| 534 | Hydrovatus | | count | Actual | | | | |
| 535 | Hygrotus | | count | Actual | | | | |
| 536 | Laccophilus | | count | Actual | | | | |
| 537 | Matus | | count | Actual | | | | |
| 538 | Menetus | | count | Actual | | | | |
| 539 | Molanna | | count | Actual | | | | |
| 54 | Blepharicera | | count Habit | Actual Cling | | | SC | |
| 540 | Nais variabilis | | count | Actual | | | | |
| 541 | Nannothemis | | count | Actual | | | | |
| 542 | Nemotaulius | | count | Actual | | | | |
| 543 | Neoplea | | count | Actual | | | | |
| 544 | Nepa | | count | Actual | | | | |
| 545 | Notonecta | | count | Actual | | | | |
| 546 | Pelocoris | | count | Actual | | | | |
| 547 | Peltodytes | | count | Actual | | | | |
| 548 | Phryganea | | count | Actual | | | | |
| 549 | Phylocentropus | | count | Actual | | | | |
| 55 | Boyeria | | count Habit | Actual Climb | | | PR | |
| 550 | Pilaria | | count | Actual | | | | |
| 551 | Planorbula | | count | Actual | | | | |
| 552 | Ranatra | | count | Actual | | | | |

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|--------|-----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 553 | Tropisternus | | count | Actual | | | | |
| 554 | Alboglossiphonia | | count | Actual | | | PR | |
| | | | Habit | Swim | | | | |
| 555 | Culicidae | | count | Actual | | | | |
| 556 | Dasyhelea | | count | Actual | | | | |
| 557 | Dolichopodidae | | count | Actual | | | | |
| 558 | Hydra | | count | Actual | | | | |
| 559 | Hydrophilidae | | count | Actual | | | | |
| 56 | Boyeria vinosa | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 560 | Laevapex | | count | Actual | | | | |
| 561 | Prodiamesinae | | count | Actual | | | | |
| 562 | Scirtes | | count | Actual | | | | |
| 563 | Taenionema | | count | Actual | | | | |
| 564 | Corixidae | | count | Actual | | | | |
| 565 | Corduliinae | | count | Actual | | | | |
| 567 | Crangonyctidae | | count | Actual | | | | |
| 568 | Aulodrilus limnobius | | count | Actual | | | | |
| 569 | Aulodrilus pigueti | | count | Actual | | | | |
| 57 | Brachycentridae | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 570 | Aulodrilus pluriseta | | count | Actual | | | | |
| 571 | Glossiphonia | | count | Actual | | | | |
| 572 | Ilyodrilus templetoni | | count | Actual | | | | |
| 573 | Placobdella | | count | Actual | | | | |

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|--------|---------------------|-----------|-----------------------|------------------|----------------|---------------------------|--------------------------|---------------|
| 574 | Allonais | | count Habit | Actual Other | | | CG | |
| 575 | Aulodrilus | | count | Actual | | | | |
| 576 | Campeloma | | count | Actual | | | | |
| 577 | Ceratopsyche | | count Habit | Actual Cling | | | CF | |
| 578 | Chaetogaster | | count Habit | Actual Other | | | PR | |
| 579 | Dero | | count Habit | Actual Other | | | CG | |
| 58 | Brachycentrus | | count Habit | Actual Cling | | | CF | |
| 580 | Ilyodrilus | | count | Actual | | | | |
| 581 | Limnodrilus | | count Habit | Actual Burrow | | | CG | |
| 582 | Mooreobdella | | count Habit | Actual Swim | | | PR | |
| 583 | Ophidonais | | count Habit | Actual Other | | | CG | |
| 585 | Pristinella | | count Habit | Actual Other | | | CG | |
| 586 | Probythinella | | count Habit | Actual Cling | | | SC | |
| 587 | Pseudosuccinea | | count Habit | Actual Cling | | | SC | |
| 588 | Ripistes | | count Habit | Actual Other | | | CG | |
| 589 | Specaria | | count | Actual | | | | |

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|--------|-------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 59 | Brachycentrus numerosus | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 590 | Unniella | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 591 | Vejdovskyella | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 593 | Dytiscidae | | count | Actual | | | | |
| 595 | Bittacomorpha | | count | Actual | | | | |
| 596 | Dero vaga | | count | Actual | | | | |
| 597 | Acarina | | count | Actual | | | | |
| 598 | Phryganeidae | | count | Actual | | | | |
| 6 | Acentrella turbida | | count | Actual | | | CL | |
| | | | Habit | Swim | | | | |
| 60 | Brachycercus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 605 | Ablabesmyia peleensis | | count | Actual | | | | |
| 606 | Acanthocephala | | count | Actual | | | | |
| 608 | Acroneuria carolinensis | | count | Actual | | | | |
| 61 | Brillia | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 610 | Ancyronyx variegatus | | count | Actual | | | | |
| 611 | Annelida | | count | Actual | | | | |
| 612 | Apataniidae | | count | Actual | | | | |
| 613 | Apsectrotanypus | | count | Actual | | | | |
| 614 | Arctopsyche ladogensis | | count | Actual | | | | |
| 615 | Arrenurus | | count | Actual | | | | |

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|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 616 | Attenella attenuata | | count | Actual | | | | |
| 617 | Baetis tricaudatus | | count | Actual | | | | |
| 618 | Blephariceridae | | count | Actual | | | | |
| 619 | Boyeria grafiana | | count | Actual | | | | |
| 62 | Brillia flavifrons | | count | Actual | | | SH | |
| | | | Habit | Burrow | | | | |
| 620 | Brachycentrus appalachia | | count | Actual | | | | |
| 621 | Brundiniella | | count | Actual | | | | |
| 622 | Caecidotea communis | | count | Actual | | | | |
| 623 | Callibaetis | | count | Actual | | | | |
| 624 | Calopteryx maculata | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 625 | Ceratopogoninae | | count | Actual | | | | |
| 628 | Chaetocladius | | count | Actual | | | | |
| 629 | Chaetogaster limnaei | | count | Actual | | | | |
| 63 | Caecidotea | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 630 | Chauliodes | | count | Actual | | | | |
| 631 | Chironomini | | count | Actual | | | | |
| 632 | Cinygmula | | count | Actual | | | | |
| 633 | Cladopelma | | count | Actual | | | | |
| 634 | Clinotanypus | | count | Actual | | | | |
| 635 | Coleoptera | | count | Actual | | | | |
| 636 | Constempellina | | count | Actual | | | | |
| 637 | Coptotomus | | count | Actual | | | | |

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|--------|------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 639 | Cryptolabis | | count | Actual | | | | |
| 64 | Caenis | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 640 | Cryptotendipes | | count | Actual | | | | |
| 641 | Cyrnellus fraternus | | count | Actual | | | | |
| 642 | Dannella | | count | Actual | | | | |
| 643 | Dicrotendipes modestus | | count | Actual | | | | |
| 644 | Disonycha | | count | Actual | | | | |
| 645 | Dixidae | | count | Actual | | | | |
| 646 | Drunella | | count | Actual | | | | |
| 647 | Drunella cornuta | | count | Actual | | | | |
| 648 | Drunella cornutella | | count | Actual | | | | |
| 649 | Drunella lata | | count | Actual | | | | |
| 65 | Calopterygidae | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 650 | Elliptio | | count | Actual | | | | |
| 651 | Ephemerella dorothea | | count | Actual | | | | |
| 652 | Ephemerella subvaria | | count | Actual | | | | |
| 653 | Ephydriidae | | count | Actual | | | | |
| 654 | Erioptera | | count | Actual | | | | |
| 658 | Eurylophella bicolor | | count | Actual | | | | |
| 659 | Eurylophella funeralis | | count | Actual | | | | |
| 66 | Calopteryx | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 660 | Gerridae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 661 | Gyrinus | | count | Actual | | | | |
| 662 | Habrophlebia vibrans | | count | Actual | | | | |
| 663 | Haliplidae | | count | Actual | | | | |
| 664 | Helichus | | count | Actual | | | | |
| 665 | Helobdella | | count | Actual | | | | |
| 666 | Helobdella stagnalis | | count | Actual | | | | |
| 668 | Heterotrissocladius | | count | Actual | | | | |
| 67 | Calopteryx dimidiata | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 670 | Hirudinidae | | count | Actual | | | | |
| 672 | Hydraena | | count | Actual | | | | |
| 673 | Hydrobius | | count | Actual | | | | |
| 674 | Hydrochus | | count | Actual | | | | |
| 675 | Hydrophiloidea | | count | Actual | | | | |
| 677 | Hydropsyche alhedra | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 679 | Hydropsyche bronta | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 68 | Cambaridae | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 681 | Hydropsyche morosa | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 682 | Hydropsyche slossonae | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 683 | Hydropsyche sparna | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 684 | Ithytrichia | | count | Actual | | | | |
| 685 | Krenosmittia | | count | Actual | | | | |
| 686 | Libellulidae | | count | Actual | | | | |
| 687 | Limnesia | | count | Actual | | | | |
| 688 | Limnophyes | | count | Actual | | | | |
| 69 | Capniidae | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 690 | Listronotus | | count | Actual | | | | |
| 691 | Lumbricina | | count | Actual | | | | |
| 692 | Macronychus glabratus | | count | Actual | | | | |
| 693 | Macropelopia | | count | Actual | | | | |
| 694 | Macrostemum carolina | | count | Actual | | | | |
| 695 | Mayatrichia | | count | Actual | | | | |
| 696 | Menetus dilatatus | | count | Actual | | | | |
| 697 | Metrobates | | count | Actual | | | | |
| 7 | Acerpenna | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 70 | Cardiocladius | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 701 | Monodiamesa | | count | Actual | | | | |
| 702 | Mystacides alafimbriatus | | count | Actual | | | | |
| 704 | Natarsia | | count | Actual | | | | |
| 705 | Nematoda | | count | Actual | | | | |
| 706 | Neoplasta | | count | Actual | | | | |
| 709 | Neumania | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 71 | Centroptilum | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 710 | Nilotanypus fimbriatus | | count | Actual | | | | |
| 711 | Odontomesa | | count | Actual | | | | |
| 712 | Onocosmoecus unicolor | | count | Actual | | | | |
| 713 | Optioservus ovalis | | count | Actual | | | | |
| 714 | Optioservus trivittatus | | count | Actual | | | | |
| 715 | Orconectes virilis | | count | Actual | | | | |
| 716 | Oreogeton | | count | Actual | | | | |
| 717 | Oribatei | | count | Actual | | | | |
| 72 | Ceraclea | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 722 | Ostracoda | | count | Actual | | | | |
| 724 | Paraphaenocladus | | count | Actual | | | | |
| 725 | Pentaneurini | | count | Actual | | | | |
| 726 | Perlesta | | count | Actual | | | | |
| 727 | Platysmittia fimbriata | | count | Actual | | | | |
| 728 | Plauditus | | count | Actual | | | | |
| 729 | Polypedilum bergi | | count | Actual | | | | |
| 73 | Ceratopogon | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 738 | Promenetus exacuus | | count | Actual | | | | |
| 739 | Protophila | | count | Actual | | | | |
| 74 | Ceratopogonidae | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 740 | Pseudorthocladus | | count | Actual | | | | |
| 741 | Psilotreta frontalis | | count | Actual | | | | |
| 742 | Psilotreta indecisa | | count | Actual | | | | |
| 743 | Ramphocorixa | | count | Actual | | | | |
| 745 | Rheocricotopus tuberculatus | | count | Actual | | | | |
| 747 | Rhyacophila acutiloba | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 748 | Rhyacophila carolina | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 75 | Ceratopsyche alhedra | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 750 | Robackia demejerei | | count | Actual | | | | |
| 751 | Saetheria | | count | Actual | | | | |
| 752 | Serratella deficiens | | count | Actual | | | | |
| 753 | Serratella serrata | | count | Actual | | | | |
| 754 | Sigara | | count | Actual | | | | |
| 755 | Siphonurus | | count | Actual | | | | |
| 756 | Stagnicola | | count | Actual | | | | |
| 757 | Stilobezzia | | count | Actual | | | | |
| 758 | Stylogomphus albistylus | | count | Actual | | | | |
| 759 | Tanytarsini | | count | Actual | | | | |
| 76 | Ceratopsyche bronta | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 764 | Tvetenia paucunca | | count | Actual | | | | |
| 765 | Xenochironomus xenolabis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 766 | Xylotopus | | count | Actual | | | | |
| 767 | Xylotopus par | | count | Actual | | | | |
| 77 | Ceratopsyche morosa | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 78 | Ceratopsyche slossonae | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 79 | Ceratopsyche sparna | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 792 | Stegopterna | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 793 | Arigomphus | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 794 | Aeolosoma | | count | Actual | | | | |
| 798 | Pseudolimnophila | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 799 | Branchiobdellida | | count | Actual | | | | |
| 8 | Acerpenna macdunnoughi | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 80 | Ceratopsyche walkeri | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 801 | Ormosia | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 802 | Alloperla | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 803 | Diura | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 804 | Sciaridae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 805 | Taeniopterygidae | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 806 | Curculionidae | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 807 | Suwallia | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 808 | Paracapnia | | count | Actual | | | SH | |
| | | | Habit | Sprawl | | | | |
| 809 | Rhyacophila mainensis | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 81 | Chaetogaster diaphanus | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 810 | Paragnetina fumosa | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 811 | Heleniella | | count | Actual | | | | |
| | | | Habit | Sprawl | | | | |
| 812 | Ephemerella aurivillii | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 816 | Zygoptera | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |
| 817 | Fallceon quilleri | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 818 | Perlinella | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 82 | Chaetogaster diastrophus | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 821 | Hydropsyche scalaris | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 822 | Lauterborniella agrayloides | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 823 | Attaneuria | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 824 | Macrostemum zebratum | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 825 | Uenoidae | | count | Actual | | | SC | |
| | | | Habit | Cling | | | | |
| 826 | Rhyacophila fenestra | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 827 | Soyedina | | count | Actual | | | SH | |
| | | | Habit | Cling | | | | |
| 828 | Wiedemannia | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 829 | Euryhapsis | | count | Actual | | | | |
| 83 | Chelifera | | count | Actual | | | PR | |
| | | | Habit | Sprawl | | | | |
| 830 | Ephemerella invaria | | count | Actual | | | CG | |
| | | | Habit | Cling | | | | |
| 831 | Paracricotopus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 832 | Wandesia | | count | Actual | | | | |
| 833 | Malirekus | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 834 | Nais elinguis | | count | Actual | | | CG | |
| | | | Habit | Other | | | | |
| 835 | Rhyacophila nigrita | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| 836 | Pedicia | | count | Actual | | | PR | |
| | | | Habit | Burrow | | | | |
| 838 | Rheosmittia | | count | Actual | | | | |
| 839 | Molophilus | | count | Actual | | | CG | |
| | | | Habit | Burrow | | | | |
| 84 | Cheumatopsyche | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 85 | Chimarra | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 86 | Chimarra aterrima | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 87 | Chimarra obscura | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 88 | Chimarra socia | | count | Actual | | | CF | |
| | | | Habit | Cling | | | | |
| 89 | Chironomidae | | count | Actual | | | MX | |
| | | | Habit | Other | | | | |
| 9 | Acerpenna pygmaea | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 90 | Chironominae | | count | Actual | | | MX | |
| | | | Habit | Burrow | | | | |
| 91 | Chironomus | | count | Actual | | | CG | |
| | | | Habit | Sprawl | | | | |
| 92 | Chloroperlidae | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 93 | Cladocera | | count | Actual | | | MX | |
| | | | Habit | Swim | | | | |
| 94 | Cladotanytarsus | | count | Actual | | | CF | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|--------------|------------|----------------|---------------------------|--------------------------|---------------|
| | | | Habit | Cling | | | | |
| 95 | Clathrosperchon | | count | Actual | | | PR | |
| | | | Habit | Other | | | | |
| 96 | Clinocera | | count | Actual | | | PR | |
| | | | Habit | Cling | | | | |
| 97 | Clitellata | | count | Actual | | | PR-CG | |
| | | | Habit | Other | | | | |
| 98 | Cloeon | | count | Actual | | | CG | |
| | | | Habit | Swim | | | | |
| 99 | Coenagrionidae | | count | Actual | | | PR | |
| | | | Habit | Climb | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| BM-HAB | Biomonitoring Habitat Group | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|--------------------------------|-------------|
| 1 | EPIFAUNAL SUBSTRATE | |
| 10 | Channel Sinuosity | |
| 11 | Left Bank Stability | |
| 12 | Right Bank Stability | |
| 13 | L-Bank Vegetative Protection | |
| 14 | R-Bank Vegetative Protection | |
| 15 | LB-Riparian Vegetative Zone W | |
| 16 | RB-Riparian Vegetative Zone W | |
| 17 | Substrate Characterization | |
| 2 | Pool Substrate Characterizatio | |
| 3 | Embeddedness | |

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| Row ID | Characteristic Name | Description |
|--------|-----------------------|-------------|
| 4 | Velocity Depth Regime | |
| 5 | Pool Variability | |
| 6 | Sediment Deposition | |
| 7 | Channel Flow Status | |
| 8 | Channel Alteration | |
| 9 | Frequency of Riffles | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER1 | River sampling 7/89 - 10/89 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient river sampling event for the time period of 7/89 to 10/89. Methods for some of the parameters changed after 10/89 and can be found in River2 characteristic group.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 218.1 | |
| 12 | Copper | mg/l | Total | Actual | | | | | 220.1 | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | MPN | Total | Actual | MPN | | | | 1104 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | Iron | mg/l | Total | Actual | | | | | 236.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Lead | mg/l | Total | Actual | | | | | 239.2 | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 243.1 | |
| 23 | Nickel | mg/l | Total | Actual | | | | | 249.1 | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.3 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 300(A) | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 206.2 | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 270.2 | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |
| 43 | Zinc | mg/l | Total | Actual | | | | | 289.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 213.2 | |
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER2 | River sampling 10/89 - 03/91 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient river sampling event for the time period of 10/89 to 03/91. Methods for some of the parameters changed after 03/91 and can be found in the River3 characteristic group.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 12 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | MPN | Total | Actual | | | | | 1104 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200.7(W) | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Lead | mg/l | Total | Actual | | | | | 239.2 | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| 23 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.3 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 300(A) | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 206.2 | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 270.2 | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |
| 43 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 213.2 | |
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER3 | River sampling 4/91 - 6/2/92 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient river sampling event for the time period of 4/91-6/2/92. Methods for some of the parameters changed after 6/2/92 which caused the creation of the River4 characteristic group.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 12 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | MPN | Total | Actual | MPN | | | | 1104 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200.7(W) | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Lead | mg/l | Total | Actual | | | | | 239.2 | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| 23 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 353.2 | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 206.2 | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 270.2 | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | UNKNOWN | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | MPN | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | MPN | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |
| 43 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 5A | BOD, ultimate carbonaceous | mg/l | Total | Actual | | | | | 5210-C | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 213.2 | |
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER4 | River sampling 6/3/92- 4/30/93 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient river sampling event for the time period of 6/3/92-4/30/93. Methods for some of the parameters changed after 4/93 prompting the creation of the River5 characteristic group.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 12 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | #/100ml | Total | Actual | | | | | SM 9213.D.3 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200.7(W) | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| 21 | Lead | mg/l | Total | Actual | | | | | 239.2 | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| 23 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 206.2 | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 270.2 | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 43 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 213.2 | |
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER5 | River sampling 5/01/93 - 4/98 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient river sampling event during the time period of 5/01/93 - 4/98. Methods for some of the parameters changed after 4/98 which caused the creation of the River6 char group.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 12 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | #/100ml | Total | Actual | | | | | SM 9213.D.3 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200.7(W) | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| 21 | Lead | mg/l | Total | Actual | | | | | 200.9 | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| 23 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 353.2 | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 200.9 | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 200.9 | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 43 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 200.9 | |
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER6 | River sampling 5/98 - 12/03 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient or volunteer river sampling event for the time period of 5/98 to 12/03.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 10A | Chlorophyll a (probe relative fluorescence) | ug/l | Total | Actual | | | | | LIMNO QA MANUAL | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 12 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | #/100ml | Total | Actual | | | | | SM 9213.D.3 | |
| 15A | Escherichia coli | #/100ml | Total | Actual | | | | | 1103_1 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200.7(W) | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| 21 | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| 23 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 353.2 | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 27A | pH | None | Total | Actual | | | | | 150.1 | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 28A | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | |
| 28B | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-F | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 200.8(W) | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 40A | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |
| 43 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |
| 44 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 45 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 46 | Mercury | mg/l | Total | Actual | | | | | 200.7(W) | |
| 47 | MTBE, Methyl tertiary butyl ether | mg/l | Total | Actual | | | | | 524.2 | |
| 48 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 49 | Velocity - stream | ft/sec | | Actual | | | | | | |
| 4A | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 405.1 | |
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 50 | Potassium | mg/l | Total | Actual | | | | | 10-510-00-1-A | |
| 51 | Color, Apparent | None | Total | Actual | | | | | 2120-B | |
| 51A | Color, Apparent | None | Total | Actual | | | | | 8025 | |
| 52 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 53 | Phosphorus, orthophosphate as P | ug/l | Total | Actual | | | | | 4500-P-F | |
| 54 | Nitrogen, ammonium (NH4) as NH4 | ug/l | Total | Actual | | | | | 4500-NH3(H) | |
| 55 | UV Absorption, relative conc. of organic constituents | units/cm | Total | Actual | | | | | 5910-B | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER7 | VRAP data 8/27/98 - 9/16/98 | Sample | Water | | | | N |

Description During this time frame, the VRAP program sometimes used method 1103.1 for E.Coli. This grouping captures those records.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| 11 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 12 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 14 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 15 | Escherichia coli | #/100ml | Total | Actual | | | | | 1103_1 | |
| 16 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 17 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 18 | General Observation (text) | | | | | | | | | |
| 19 | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | 200.7(W) | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| 21 | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| 22 | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 23 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 24 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 25 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 26 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 353.2 | |
| 27 | pH | None | Total | Actual | | | | | 4500-H | |
| 28 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 29 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 3 | Arsenic | mg/l | Total | Actual | | | | | 200.8(W) | |
| 30 | Selenium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 31 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 32 | Fecal Streptococcus Group Bacteria | MPN | Total | Actual | MPN | | | | 9230-B | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 34 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 35 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 36 | Total Coliform | MPN | Total | Actual | MPN | | | | 9221-B | |
| 37 | Fecal Coliform | MPN | Total | Actual | MPN | | | | 9221-E | |
| 38 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 39 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 4 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 40 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 41 | Water appearance (text) | | | | | | | | | |
| 42 | Weather Comments (text) | | | | | | | | | |
| 43 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |
| 5 | BOD, ultimate | mg/l | Total | Actual | | | | | 5210-C | |
| 6 | Cadmium | mg/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 7 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 8 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 9 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER8 | River sampling 01/04 -12/05 | Sample | Water | | | | N |

Description This group incorporates all parameters that could be analyzed during an ambient or volunteer river sampling event for the time period of 01/2004 to the present

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| 11 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | 4500-O-G | |
| 12 | Escherichia coli | #/100ml | Total | Actual | | | | | SM 9213.D.3 | |
| 12A | Escherichia coli | #/100ml | Total | Actual | | | | | 1103_1 | |
| 12B | Escherichia coli | #/100ml | Total | Actual | | | | | 9222-B | |
| 13 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200.7(W) | |
| 13A | Hardness, Ca + Mg | mg/l | | Calculated | | | | | 200 | |
| 14 | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| 15 | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| 15A | Lead | mg/l | Total | Actual | | | | | 200 | |
| 16 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 524.2 | |
| 17 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 18 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 18A | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 19A | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353(VAR) | |
| 19B | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(D) | |
| 19C | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4110-B | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 21 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 22 | pH | None | Total | Actual | | | | | 4500-H | |
| 22A | pH | None | Total | Actual | | | | | 150.1 | |
| 23 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | |
| 23A | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-E | |
| 24 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.3 | |
| 24A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.2 | |
| 25 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 26 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 27 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 28 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 28A | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| 29 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 2A | Aluminum | mg/l | Total | Actual | | | | | 200 | |
| 3 | Color, Apparent | None | Total | Actual | | | | | 8025 | |
| 30 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 31 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 31A | Turbidity | NTU | | Actual | | | | | 2130 | |
| 32 | UV Absorption, relative conc. of | units/cm | Total | Actual | | | | | 5910-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | organic constituents | | | | | | | | | |
| 33 | Weather Comments (text) | | | | | | | | | |
| 34 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |
| 34A | Zinc | mg/l | Total | Actual | | | | | 200 | |
| 35 | Calcium | mg/l | Total | Actual | | | | | 200 | |
| 35A | Calcium | mg/l | Total | Actual | | | | | SM 4110 A | |
| 36 | Carbon, organic | mg/l | Dissolved | Actual | | | | | 5310-B | |
| 36A | Carbon, organic | mg/l | Dissolved | Actual | | | | | SM 5310 A | |
| 37 | Magnesium | mg/l | Total | Actual | | | | | 200 | |
| 37A | Magnesium | mg/l | Total | Actual | | | | | SM 4110 A | |
| 38 | Manganese | mg/l | Total | Actual | | | | | 200 | |
| 39 | Potassium | mg/l | Total | Actual | | | | | 200 | |
| 39A | Potassium | mg/l | Total | Actual | | | | | SM 4110 A | |
| 4 | Arsenic | mg/l | Total | Actual | | | | | 200.8(W) | |
| 40 | Sodium | mg/l | Total | Actual | | | | | 200 | |
| 40A | Sodium | mg/l | Total | Actual | | | | | SM 4110 A | |
| 41 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 41A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 4110-B | |
| 42 | Weather Comments (text) | | | | | | | | | |
| 43 | Phosphate | ug/l | Total | Actual | | | | | 365.2 | |
| 44 | Nitrogen, ammonium (NH4) as NH4 | ug/l | Total | Actual | | | | | 350.1 | |
| 45 | Flow | cfs | | Actual | | | | | RIVERFLOW | |
| 5 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 405.1 | |
| 6 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 6A | Chloride | mg/l | Total | Actual | | | | | 4110-B | |
| 7 | Chlorophyll a, uncorrected for | ug/l | Total | Actual | | | | | 10200-H | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pheophytin | | | | | | | | | |
| 8 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 8A | Copper | mg/l | Total | Actual | | | | | 200 | |
| 9 | Depth, bottom | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|---|--------|--------|-----------|--------------|---------|
| RIVER9 | River sampling 01/06 - | Sample | Water | | | | N |
| Description | | This group incorporates all parameters that could be analyzed during an ambient or volunteer river sampling event for the time period of 01/2004 to the present | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 10 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| 11 | Dissolved oxygen saturation | % | | Actual | | | | | 4500-O-G | |
| 12A | Escherichia coli | #/100ml | | Actual | | | | | 9213-D | |
| 12B | Escherichia coli | #/100ml | | Actual | | | | | 1103_1 | |
| 12C | Escherichia coli | #/100ml | | Actual | | | | | 9222-D | |
| 14 | Hardness, Ca + Mg | mg/l | | Actual | | | | | 200.7(W) | |
| 15A | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| 15B | Lead | mg/l | Total | Actual | | | | | 3113-B | |
| 16A | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 16B | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.2(C) | |
| 17A | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 351.2 | |
| 17B | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 351.3(A) | |
| 18A | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 9056 | |
| 18B | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| 2 | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20 | pH | None | | Actual | | | | | 4500-H | |
| 21A | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | |
| 21B | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| 22 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | 365.2 | |
| 23A | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| 23B | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | |
| 24 | Solids, Total | mg/l | | Actual | | | | | 2540-B | |
| 25 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 26 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 27 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 28 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 29 | Velocity - stream | ft/sec | | Actual | | | | | | |
| 3 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 30 | Weather Comments (text) | | | | | | | | | |
| 31A | Zinc | mg/l | Total | Actual | | | | | 200.7(W) | |
| 31B | Zinc | mg/l | Total | Actual | | | | | 3113-B | |
| 4 | Cadmium | mg/l | Total | Actual | | | | | 3113-B | |
| 5 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 6 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 7 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| 8A | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 8B | Copper | mg/l | Total | Actual | | | | | 3113-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 9 | Depth | ft | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| SHELLFSH | Shellfish Sampling 01/97 - | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|----------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| 10 | Weather Comments (text) | | | | | | | | | |
| 11 | General Observation (text) | | | | | | | | | |
| 12-DDV | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 13-DDV-FLOAT | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 14-DDV-METER | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 15-DWV | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 16-DWV-FLOAT | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 17-DWV-METER | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 18-ESTIMATE | Flow | cfs | | Estimated | | | | | SHELLFISH FLOW | |
| 19-OBSERVED | Flow | cfs | | Estimated | | | | | SHELLFISH FLOW | |
| 2 | Fecal Coliform | MPN/100ml | Total | Actual | | | | | 9221-E | |
| 20-VELOCITY | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------|-----------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21-VOLUMETRIC | Flow | cfs | | Calculated | | | | | SHELLFISH FLOW | |
| 21A-UNKNOWN | Flow | cfs | | Actual | | | | | UNKNOWN | |
| 22 | Depth | in | | Actual | | | | | | |
| 3 | Fecal Coliform | #/100ml | Total | Actual | | | | | DUFOUR MTEC | |
| 3A | Fecal Coliform | MPN/100ml | Total | Actual | | | | | APHA 3.0 | |
| 4 | Escherichia coli | #/100ml | Total | Actual | | | | | SM 9213.D.3 | |
| 5 | Escherichia coli | #/100ml | Total | Actual | | | | | 1103_1 | |
| 6 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | SM 9230.C.2 | |
| 7 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 8 | Salinity | ppth | Total | Actual | | | | | 2520-B | |
| 9 | pH | None | Total | Actual | | | | | 4500-H | |

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USEPA, Region I

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|-----------------|----------------|-------------------------------|---------|
| BACT001 | Routine Bacteria Study | Sample | Biological | Taxon Abundance | Bacteria/Virus | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|---------|------------|----------------|---------------------------|--------------------------|---------------|
| BACT01 | Escherichia coli | | #/100ml | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|-----------|-------------------------------|---------|
| BACT002 | Toxicity Testing | Sample | Biological | Taxon Abundance | Mammals | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Ceriodaphnia dubia | | MPN | Actual | | | | |
| 2 | Pimephales promelas | | MPN | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASICWQ | Basic Water Quality Sampling | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WQ001 | Temperature, water | deg C | | Actual | | | | | | |
| WQ002 | Specific conductance | mS/cm | | Actual | | | | | | |
| WQ003 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| WQ004 | pH | None | | Actual | | | | | | |
| WQ005 | Turbidity | NTU | | Actual | | | | | | |
| WQ006 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHARL98 | Baseline Water Quality Study | Sample | Water | | | | N |

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USEPA, Region I

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| 10 | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 11 | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | |
| 12 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 13 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 14 | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 15 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 16 | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 17 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 18 | Cobalt | ug/l | Total | Actual | | | | | 200.8(W) | |
| 19 | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2 | Color, True | | | Actual | | | | | 110.3 | |
| 20 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 21 | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 22 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 23 | Mercury | ng/l | Total | Actual | | | | | | |
| 24 | Molybdenum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 25 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 26 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 27 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 28 | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 29 | Uranium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 3 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 20,000.00000 mg/l | | | | | | | | |
| 30 | Vanadium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 31 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 32 | Hardness, carbonate | mg/l | | Calculated | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 5 | Phosphorus | mg/l | | Actual | | | | | 365.2 | |
| 6 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | 300(A) | |
| 7 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.1 | |
| 8 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 300(A) | |
| 9 | Fecal Coliform | #/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CONT001 | Continuous Monitoring Data | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | | |
| 2 | Specific conductance | mS/cm | | Actual | | | | | | |
| 3 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 4 | Dissolved oxygen saturation | % | | Actual | | | | | | |
| 5 | pH | None | | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|-----------------|--------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| AAQUAVEG | aquatic veg group trial | Sample | Biological | Taxon Abundance | Aquatic Vegetation | Multi-Taxon Population Census | N |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ALK_BICA | Alkalinity (bicarbonate),water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 12 | Alkalinity, Bicarbonate as CaCO3 | mg/l | | Actual | | | | | SOP3132.1 | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ALK_CARB | Alkalinity (carbonate), water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 013 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | SOP3132.1 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| AMMONIA | Ammonia, water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 018 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | SOP3133.1 | |

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|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ANTIM_S | Antimony, sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 022 | Antimony | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ANTIM_SL | Antimony, soil | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 022 | Antimony | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ANTIM_W | Antimony, water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 022 | Antimony | ug/l | Total | Actual | | | | | SOP3121.21 | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ANTIM_WD | Antimony, dissolved, water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 022 | Antimony | ug/l | Dissolved | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---------------|---|------------|--------|-----------|--------------|---------|--|--|--|
| ARSEN_F | Arsenic, fish | Sample | Biological | Tissue | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 030 | Arsenic | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|-------------------|---|----------|--------|-----------|--------------|---------|--|--|--|
| ARSEN_S | Arsenic, sediment | Sample | Sediment | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 030 | Arsenic | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| ARSEN_SL | Arsenic, soil | Sample | Soil | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 030 | Arsenic | mg/kg | Total | Actual | | | | | SOP3121.21 | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ARSEN_W | Arsenic, water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 030 | Arsenic | ug/l | Total | Actual | | | | | SOP3121.21 | |

| | | | | | | | |
|-----------------|---------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ARSEN_WD | Arsenic, dissolved, water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 030 | Arsenic | ug/l | Dissolved | Actual | | | | | SOP3121.21 | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|-----------------|--------------------|--------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| AWETSNGL | Wetland single taxon ind trial | Sample | Biological | Taxon Abundance | Aquatic Vegetation | Single Taxon Individuals | N |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BOD20_C | CBOD20, water, DO Probe | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 053 | BOD, carbonaceous | mg/l | | Actual | | | | | SOP3153.1 | |

| | | | | | | | |
|-----------------|------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BOD20_T | BOD20, water, DO Probe | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------------|---|-------|---------------------------------|-----------------------------|-------------------------|------------------|----------------|------------|---------------------|----------------------------|
| 052 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | SOP3153.1 | |
| Group ID BOD5_C | Group Name CBOD5, water, DO Probe | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 051 | BOD, carbonaceous | mg/l | | Actual | | | | | SOP3153.1 | |
| Group ID BOD5_T | Group Name BOD5, water, DO Probe | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 050 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | SOP3153.1 | |
| Group ID CADMI_F | Group Name Cadmium, fish | | Field Activity Sample | Medium Biological | Intent Tissue | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 073 | Cadmium | mg/kg | Total | Actual | | | | | SOP3121.21 | |
| Group ID CADMI_S | Group Name Cadmium, sediment | | Field Activity Sample | Medium Sediment | Intent | Community | | | Result Group | Habitat N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 073 | Cadmium | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| CADMI_SL | Cadmium, soil | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 073 | Cadmium | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| CADMI_W | Cadmium, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 073 | Cadmium | ug/l | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| CADMI_WD | Cadmium, dissolved, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 073 | Cadmium | ug/l | Dissolved | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|--------|-----------|--------------|---------|
| CARP | CARP LENGTH AND WEIGHT | Sample | Biological | Tissue | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Cyprinus carpio | count | | | | | | | | |
| | Length, Total (Fish) | cm | | Actual | | | | | | |
| | Weight | g | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CHLORIDE | Chloride, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 082 | Chloride | mg/l | Total | Actual | | | | | SOP3135.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHLORO_A | Chlorophyll A (- Pheophytin A) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 093 | Chlorophyll a, corrected for pheophytin | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHROM_HX | Hexavalent Chromium or Cr(VI) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 097 | Chromium, hexavalent | ug/l | Total | Actual | | | | | SOP3124.2 | |

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| | | | | | | | |
|----------------------------|---|--|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID CL_TR_W | Group Name Total Residual Chlorine, Fld | Field Activity Field Msr/Obs | Medium Water | Intent | Community | Result Group | Habitat N |
|----------------------------|---|--|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 083 | Chlorine | mg/l | | Actual | | | | | | |

| | | | | | | | |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID COD | Group Name Chemical Oxygen Demand (COD) | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 102 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | SOP3153.2 | |

| | | | | | | | |
|---------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID CONDUC | Group Name Conductivity, Specific | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|---------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Specific conductance | umho/cm | | Actual | | | | | SOP2336.6 | |

| | | | | | | | |
|-----------------------------|--|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID CONDUC_B | Group Name Conductivity on bio samples | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|-----------------------------|--|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Specific conductance | umho/cm | | Actual | | | | | SOP2336.6 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CONDOC_F | Conductivity by field measure | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Specific conductance | umho/cm | | Actual | | | | | REMAP FIELD PAR | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|----------|--------|-----------|--------------|---------|
| CYA_A_S | Cyanide, amenable, sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Cyanide | mg/kg | | Actual | | | | | SOP3135.7 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| CYA_A_SL | Cyanide, amenable, soil | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Cyanide | mg/kg | | Actual | | | | | SOP3135.7 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| CYA_A_W | Cyanide, amenable, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Cyanide | mg/l | | Actual | | | | | SOP3135.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|----------|--------|-----------|--------------|---------|
| CYA_T_S | Cyanide, total, sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Cyanide | mg/kg | Total | Actual | | | | | SOP3135.7 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| CYA_T_SL | Cyanide, total, soil | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Cyanide | mg/kg | | Actual | | | | | SOP3135.7 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| CYA_T_W | Cyanide, total, water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

Description This analysis provides analytical data for cyanide in drinking water, ground and surface water, domestic and industrial wastes, and leachates and satisfies all of the applicable program requirements for both Superfund, RCRA, SDWA, NPDES.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Cyanide | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|------------|--------|-----------|--------------|---------|
| DIAZ_FNP | Diazinon in Whole Fish, GC/NPD | Sample | Biological | Tissue | | | N |

Citations R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 118 | Diazinon | mg/kg | Total | Actual | | | | | RLABM3240.2E NP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------------|----------------|--------|--------|-----------|--------------|---------|
| DO | Dissolved Oxygen,water | Sample | Water | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 164 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| DO_FLD | Dissolved Oxygen, water, field | Field Msr/Obs | Water | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 164 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| DO_LAB | Dissolved Oxygen,water,bio sam | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 164 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | SOP2336.7 | |

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| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLOW_CFS | Flow,cubic feet per second | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 177 | Flow | cfs | | Actual | | | | | REMAP FIELD PAR | |

| | | | | | | | |
|-----------------|--------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLOW_GPM | Flow, gallons per minute | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 178 | Flow | gal/min | | Actual | | | | | | |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLOW_MGD | Flow,million gallons per day | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 179 | Flow | mg/day | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLUORIDE | Fluoride, water | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 182 | Fluorides | mg/l | Total | Actual | | | | | SOP3135.6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| GWCNM | George Washington Carver w&s | Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Magnesium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| | Manganese | ug/l | Total | Actual | | | | | SOP3122.3 | |
| | Molybdenum | | Total | Actual | | | | | SOP3122.3 | |
| | Nickel | | Total | Actual | | | | | SOP3122.3 | |
| | Potassium | | Total | Actual | | | | | | |
| | Selenium | | Total | Actual | | | | | SOP3122.3 | |
| | Silver | | Total | Actual | | | | | SOP3122.3 | |
| | Sodium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| | Thallium | | Total | Actual | | | | | SOP3122.3 | |
| | Titanium | | Total | Actual | | | | | SOP3122.3 | |
| | Vanadium | | Total | Actual | | | | | | |
| | Zinc | | Total | Actual | | | | | | |
| | Copper | | Total | Actual | | | | | SOP3122.3 | |
| | Iron | ug/l | Total | Actual | | | | | SOP3122.3 | |
| | Lead | | Total | Actual | | | | | SOP3122.3 | |
| | Aluminum | ug/l | Total | Actual | | | | | SOP3122.3 | |
| | Antimony | | Total | Actual | | | | | SOP3122.3 | |
| | Arsenic | | Total | Actual | | | | | SOP3122.3 | |
| | Barium | ug/l | Total | Actual | | | | | SOP3122.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Beryllium | | Total | Actual | | | | | SOP3122.3 | |
| | Cadmium | | Total | Actual | | | | | SOP3122.3 | |
| | Calcium | ug/l | Total | Actual | | | | | | |
| | Chromium | | Total | Actual | | | | | SOP3122.3 | |
| | Cobalt | | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| HABASSGP | habitat assess group trial | Field Msr/Obs | | | | | Y |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| HARD_CAL | Hardness, water by calculation | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 194 | Hardness, carbonate | mg/l | | Calculated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| HARD_EDT | Hardness,CaCO3Titration,bio | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 194 | Hardness, Ca + Mg | mg/l | | Actual | | | | | SOP2336.8 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| HERBI_DW | Herbicides, drinking water | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002 | 2,4,5-T + Silvex | ug/l | | Actual | | | | | SOP3240.5 | |
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | SOP3240.5 | |
| 125 | Dicamba | ug/l | | Actual | | | | | SOP3240.5 | |
| 156 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | | Actual | | | | | SOP3240.5 | |
| 276 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | SOP3240.5 | |
| 290 | Picloram | ug/l | | Actual | | | | | SOP3240.5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|----------|--------|-----------|--------------|---------|
| HERBI_S | Herbicides, sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |
| 002 | 2,4,5-T + Silvex | ug/kg | | Actual | | | | | | |
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| HERBI_SL | Herbicides, soil | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002 | 2,4,5-T + Silvex | ug/kg | | Actual | | | | | | |
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| HERBI_W | Herbicides, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |
| 002 | 2,4,5-T + Silvex | ug/l | | Actual | | | | | | |
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------------|--|------------|--------|-----------|--------------|---------|--|
| HG FF14D | Mercury in Fish Fillet | Sample | Biological | Tissue | | | N | |
| | Citations | R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, . | | | | | | |
| | Description | Analysis of fish fillet samples by RLAB Method 3121.14D. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 218 | Mercury | mg/kg | Total | Actual | | | | | RLABM3121.14 D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|------------|--------|-----------|--------------|---------|
| HG WF14D | Mercury in Whole Fish | Sample | Biological | Tissue | | | N |

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Citations R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .

Description Analysis of whole fish samples by RLAB Method 3121.14D.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 218 | Mercury | mg/kg | Total | Actual | | | | | RLABM3121.14 D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| HS_CAL | Hydrogen Sulfide,water by calc | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 318 | Hydrogen sulfide | mg/l | | Calculated | | | | | SOP3135.8 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|--------|-----------|--------------|---------|
| LEAD_F | Lead, fish by AA | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 215 | Lead | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|----------|--------|-----------|--------------|---------|
| LEAD_S | Lead, sediment by AA | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 215 | Lead | mg/kg | Total | Actual | | | | | SOP3121.21 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| LEAD_SL | Lead, soil by AA | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 215 | Lead | mg/kg | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| LEAD_W | Lead, water by AA | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 215 | Lead | ug/l | Total | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| LEAD_WD | Lead, dissolved, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 215 | Lead | ug/l | Dissolved | Actual | | | | | SOP3121.21 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|------------|--------|-----------|--------------|---------|
| MERCU_FF | Mercury, fish fillet | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 218 | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |

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|----------------------------|--|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|
| Group ID MERCU_S | Group Name Mercury, sediment | Field Activity Sample | Medium Sediment | Intent | Community | Result Group | Habitat N |
|----------------------------|--|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 218 | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |

| | | | | | | | |
|-----------------------------|------------------------------------|---------------------------------|-----------------------|---------------|------------------|---------------------|---------------------|
| Group ID MERCU_SL | Group Name Mercury, soil | Field Activity Sample | Medium Soil | Intent | Community | Result Group | Habitat N |
|-----------------------------|------------------------------------|---------------------------------|-----------------------|---------------|------------------|---------------------|---------------------|

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 218 | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |

| | | | | | | | |
|----------------------------|-------------------------------------|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID MERCU_W | Group Name Mercury, water | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|----------------------------|-------------------------------------|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 218 | Mercury | ug/l | Total | Actual | | | | | SOP3121.14 | |

| | | | | | | | |
|-----------------------------|--|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID MERCU_WD | Group Name Mercury, dissolved, water | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|-----------------------------|--|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 218 | Mercury | ug/l | Dissolved | Actual | | | | | SOP3121.14 | |

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|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| MERCU_WF | Mercury, whole fish | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 218 | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| MET F 3A | Metals in Fish by ICP | Sample | Biological | Tissue | | | N |

Citations R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, .

Description Analysis of fish samples by RLAB Method 3122.3A.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 073 | Cadmium | mg/kg | Total | Actual | | | | | RLABM3122.3A | |
| 215 | Lead | mg/kg | Total | Actual | | | | | RLABM3122.3A | |
| 306 | Selenium | mg/kg | Total | Actual | | | | | RLABM3122.3A | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| METAL_F | Metals, fish | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 073 | Cadmium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 215 | Lead | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 218 | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |
| 306 | Selenium | mg/kg | Total | Actual | | | | | SOP3122.3 | |

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| | | | | | | | |
|-----------------|--------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| METAL_S | Metals, sediment, by ICP | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 016 | Aluminum | mg/kg | Total | Actual | | | | | SOP3122.3 | |

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| METAL_W | Metals, water, by ICP | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 016 | Aluminum | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 022 | Antimony | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 030 | Arsenic | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 032 | Barium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 041 | Beryllium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 073 | Cadmium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 074 | Calcium | ug/l | Total | Actual | | | | | | |
| 098 | Chromium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 101 | Cobalt | ug/l | Total | Actual | | | | | | |
| 104 | Copper | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 209 | Iron | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 215 | Lead | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 216 | Magnesium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 217 | Manganese | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 247 | Molybdenum | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 249 | Nickel | ug/l | Total | Actual | | | | | SOP3122.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 293 | Potassium | ug/l | Total | Actual | | | | | | |
| 306 | Selenium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 307 | Silver | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 309 | Sodium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 325 | Thallium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 327 | Titanium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 356 | Vanadium | ug/l | Total | Actual | | | | | | |
| 361 | Zinc | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| METAL_WD | Metals, dissolved, water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 016 | Aluminum | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 022 | Antimony | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 030 | Arsenic | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 032 | Barium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 041 | Beryllium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 073 | Cadmium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 074 | Calcium | mg/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 098 | Chromium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 101 | Cobalt | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 104 | Copper | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 209 | Iron | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 215 | Lead | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 216 | Magnesium | mg/l | Dissolved | Actual | | | | | SOP3122.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 217 | Manganese | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 247 | Molybdenum | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 249 | Nickel | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 293 | Potassium | mg/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 306 | Selenium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 307 | Silver | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 309 | Sodium | mg/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 325 | Thallium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 327 | Titanium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 356 | Vanadium | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |
| 361 | Zinc | ug/l | Dissolved | Actual | | | | | SOP3122.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|----------|--------|-----------|--------------|---------|
| MTBE_S | Methyl tert-Butyl Ether(MTBE) | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 221 | MTBE, Methyl tertiary butyl ether | ug/kg | Total | Actual | | | | | SOP3230.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| MTBE_SL | Methyl tert-Butyl Ether(MTBE) | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 221 | MTBE, Methyl tertiary butyl ether | ug/kg | Total | Actual | | | | | SOP3230.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| MTBE_W | Methyl tert-Butyl Ether(MTBE) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 221 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | SOP3230.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| NAPHTH_W | Naphthalene,water,GC/MS(VOA) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 248 | Naphthalene | ug/l | Total | Actual | | | | | SOP3230.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| NFS | NFS or Nonfilterable Soilds | Sample | Water | | | | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|----------|--------|-----------|--------------|---------|
| NO3NO2S | Nitrogen,Nitrate+Nitrite, sedi | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 250 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | | Actual | | | | | SOP3133.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| NO3NO2SL | Nitrogen,Nitrate+Nitrite,soil | Sample | Soil | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|--|-----------------------|-----------------|---------------|------------------|---------------------|----------------|------------|---------------------|----------------------------|
| 250 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | | Actual | | | | | SOP3133.2 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| NO3NO2_W | Nitrogen,Nitrate+Nitrite,water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 250 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | SOP3133.2 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| N_NO2_W | Nitrogen, Nitrite in water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 252 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | SOP3133.2 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| N_NO3_W | Nitrogen, Nitrate in water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 251 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | SOP3133.2 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| N_TK_S | Total Kjeldahl Nitro,Sediment | Sample | Sediment | | | | N | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 259 | Nitrogen, Kjeldahl | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| N_TK_SL | Total Kjeldahl Nitrogen,Soil | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 259 | Nitrogen, Kjeldahl | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| N_TK_W | Total Kjeldahl Nitrogen,Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 259 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| N_T_CALC | Nitrogen,total,by calc | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 258 | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Calculated | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| O&G_W | Oil & Grease in water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 269 | Oil and Grease | mg/l | | Actual | | | | | SOP3152.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PAH/G_S | PAH's, sediment by GC/MS | Sample | Sediment | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 004 | Acenaphthene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 005 | Acenaphthylene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 021 | Anthracene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 034 | Benzo[a]anthracene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 035 | Benzo[a]pyrene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 036 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 037 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 038 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 090 | Chloronaphthalene-2 | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 099 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 119 | Dibenzo[a,h]anthracene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 180 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 181 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 208 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 237 | Methylnaphthalene, 2- | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 256 | nitro-Benzene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 285 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 304 | Pyrene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
|----------|------------|----------------|--------|--------|-----------|--------------|---------|

| | | | | | | | |
|----------|----------------------|--------|------|--|--|--|---|
| PAH/G_SL | PAH's, soil by GC/MS | Sample | Soil | | | | N |
|----------|----------------------|--------|------|--|--|--|---|

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 004 | Acenaphthene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 005 | Acenaphthylene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 021 | Anthracene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 034 | Benzo[a]anthracene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 035 | Benzo[a]pyrene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 036 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 037 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 038 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 090 | Chloronaphthalene-2 | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 099 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 119 | Dibenzo[a,h]anthracene | ug/kg | | Actual | | | | | RLAB M3230.2 | |
| 180 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 181 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 208 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 237 | Methylnaphthalene, 2- | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 256 | nitro-Benzene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 285 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |
| 304 | Pyrene | ug/kg | Total | Actual | | | | | RLAB M3230.2 | |

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| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PAH/G_W | PAH's, water by GC/MS | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 004 | Acenaphthene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 005 | Acenaphthylene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 021 | Anthracene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 034 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 035 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 036 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 037 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 038 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 090 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 099 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 119 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 180 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 181 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 208 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 237 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 248 | Naphthalene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 285 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | RLAB M3230.2 | |
| 304 | Pyrene | ug/l | Total | Actual | | | | | RLAB M3230.2 | |

| | | | | | | | |
|-----------------|----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PAH/HP_W | PAH's, water by HPLC | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 004 | Acenaphthene | ug/l | | Actual | | | | | SOP3260.3 | |
| 005 | Acenaphthylene | ug/l | | Actual | | | | | SOP3260.3 | |
| 021 | Anthracene | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 034 | Benzo[a]anthracene | ug/l | | Actual | | | | | SOP3260.3 | |
| 035 | Benzo[a]pyrene | ug/l | | Actual | | | | | SOP3260.3 | |
| 036 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 037 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 038 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 099 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 119 | Dibenzo[a,h]anthracene | ug/l | | Actual | | | | | SOP3260.3 | |
| 180 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 181 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 208 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 248 | Naphthalene | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 285 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | SOP3260.3 | |
| 304 | Pyrene | ug/l | Total | Actual | | | | | SOP3260.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|-------------------------|----------------|----------|--------|-----------|--------------|---------|
| PCB_S | PCBs, sediment by GC/EC | Sample | Sediment | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 023 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 025 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------|---|--------|--------|-----------|--------------|---------|
| PCB_SL | PCBs, soil by GC/EC | Sample | Soil | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 023 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 025 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 027 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------------------|---|----------|--------|-----------|--------------|---------|
| PCDD_S | PCDD/PCDF, sediment by GC/HRMS | Sample | Sediment | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 157 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 158 | Pentachlorodibenzo-p-dioxin, | ng/kg | Total | Actual | | | | | M1613 REV B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 159 | 1,2,3,7,8- Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 160 | Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 161 | Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 162 | 1,2,3,4,6,7,8- Heptachlorodibenzodioxin (1,2,3,4,6,7,8- HCDD) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 163 | Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 183 | Tetrachlorodibenzofuran, 2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 184 | Pentachlorodibenzofuran, 1,2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 185 | Pentachlorodibenzofuran, 2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 186 | Hexachlorodibenzofuran, 1,2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 187 | Hexachlorodibenzofuran, 1,2,3,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 188 | Hexachlorodibenzofuran, 1,2,3,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 189 | Hexachlorodibenzofuran, 2,3,4,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 190 | Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 191 | Heptachlorodibenzofuran, 1,2,3,4,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 192 | Octachlorodibenzofuran (OCDF) | ng/kg | Total | Actual | | | | | M1613 REV B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 193 | Dioxins and Furans (unspecified mix) | ng/kg | Total | Actual | | | | | M1613 REV B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| PCDD_SL | PCDD/PCDF,soil by GC/HRMS | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 157 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 158 | Pentachlorodibenzo-p-dioxin, 1,2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 159 | Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 160 | Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 161 | Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 162 | 1,2,3,4,6,7,8-Heptachlorodibenzodioxin (1,2,3,4,6,7,8-HCDD) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 163 | Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 183 | Tetrachlorodibenzofuran, 2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 184 | Pentachlorodibenzofuran, 1,2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 185 | Pentachlorodibenzofuran, 2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 186 | Hexachlorodibenzofuran, | ng/kg | Total | Actual | | | | | M1613 REV B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 187 | 1,2,3,4,7,8- Hexachlorodibenzofuran, 1,2,3,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 188 | Hexachlorodibenzofuran, 1,2,3,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 189 | Hexachlorodibenzofuran, 2,3,4,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 190 | Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 191 | Heptachlorodibenzofuran, 1,2,3,4,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 192 | Octachlorodibenzofuran (OCDF) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 193 | Dioxins and Furans (unspecified mix) | ng/kg | Total | Actual | | | | | M1613 REV B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|------------|--------|-----------|--------------|---------|
| PCDD_T | PCDD/PCDF,tissue by GC/HRMS | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 157 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 158 | Pentachlorodibenzo-p-dioxin, 1,2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 159 | Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 160 | Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 161 | Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 162 | 1,2,3,4,6,7,8-Heptachlorodibenzodioxin (1,2,3,4,6,7,8-HCDD) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 163 | Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 183 | Tetrachlorodibenzofuran, 2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 184 | Pentachlorodibenzofuran, 1,2,3,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 185 | Pentachlorodibenzofuran, 2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 186 | Hexachlorodibenzofuran, 1,2,3,4,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 187 | Hexachlorodibenzofuran, 1,2,3,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 188 | Hexachlorodibenzofuran, 1,2,3,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 189 | Hexachlorodibenzofuran, 2,3,4,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 190 | Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 191 | Heptachlorodibenzofuran, 1,2,3,4,7,8,9- | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 192 | Octachlorodibenzofuran (OCDF) | ng/kg | Total | Actual | | | | | M1613 REV B | |
| 193 | Dioxins and Furans (unspecified mix) | ng/kg | Total | Actual | | | | | M1613 REV B | |

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| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PCDD_W | PCDD/PCDF, water by GC/HRMS | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 158 | Pentachlorodibenzo-p-dioxin, 1,2,3,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 159 | Hexachlorodibenzo-p-dioxin, 1,2,3,4,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 160 | Hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 161 | Hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 163 | Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 183 | Tetrachlorodibenzofuran, 2,3,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 184 | Pentachlorodibenzofuran, 1,2,3,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 185 | Pentachlorodibenzofuran, 2,3,4,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 186 | Hexachlorodibenzofuran, 1,2,3,4,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 187 | Hexachlorodibenzofuran, 1,2,3,6,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 188 | Hexachlorodibenzofuran, 1,2,3,7,8,9- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 189 | Hexachlorodibenzofuran, 2,3,4,6,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 190 | Heptachlorodibenzofuran, 1,2,3,4,6,7,8- | pg/l | Total | Actual | | | | | M1613 REV B | |
| 191 | Heptachlorodibenzofuran, | pg/l | Total | Actual | | | | | M1613 REV B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 1,2,3,4,7,8,9- | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| PESTI_S | Pesticides,sediment by GC/EC | Sample | Sediment | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 011 | Aldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 023 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 025 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 027 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 042 | BHC-alpha | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 043 | BHC-beta | ug/kg | | Actual | | | | | SOP3240.2 | |
| 044 | BHC-delta | ug/kg | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | SOP3240.2 | |
| 080 | Chlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 110 | DDD, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 111 | DDE, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 166 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 167 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 168 | Endosulfan Sulfate | ug/kg | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 170 | Endrin Aldehyde | ug/kg | | Actual | | | | | SOP3240.2 | |
| 171 | Endrin ketone | ug/kg | | Actual | | | | | SOP3240.2 | |
| 195 | Heptachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/kg | | Actual | | | | | SOP3240.2 | |
| 220 | Methoxychlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 330 | Toxaphene | ug/kg | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PESTI_SL | Pesticides,soil by GC/EC | Sample | Soil | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 011 | Aldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 023 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 025 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 027 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 042 | BHC-alpha | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 043 | BHC-beta | ug/kg | | Actual | | | | | SOP3240.2 | |
| 044 | BHC-delta | ug/kg | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 080 | Chlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 110 | DDD, p,p' | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 111 | DDE, p,p' | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p' | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 166 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 167 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 168 | Endosulfan Sulfate | ug/kg | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 170 | Endrin Aldehyde | ug/kg | | Actual | | | | | SOP3240.2 | |
| 171 | Endrin ketone | ug/kg | | Actual | | | | | SOP3240.2 | |
| 195 | Heptachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/kg | | Actual | | | | | SOP3240.2 | |
| 220 | Methoxychlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 330 | Toxaphene | ug/kg | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| PESTI_W | Pesticides,water by GC/EC | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 011 | Aldrin | ug/l | | Actual | | | | | SOP3240.2 | |
| 023 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 025 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 042 | BHC-alpha | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 043 | BHC-beta | ug/l | | Actual | | | | | SOP3240.2 | |
| 044 | BHC-delta | ug/l | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/l | | Actual | | | | | SOP3240.2 | |
| 080 | Chlordane | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 110 | DDD, p,p'- | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 111 | DDE, p,p'- | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/l | | Actual | | | | | SOP3240.2 | |
| 166 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 167 | Endosulfan, beta- | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 168 | Endosulfan Sulfate | ug/l | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/l | | Actual | | | | | SOP3240.2 | |
| 170 | Endrin Aldehyde | ug/l | | Actual | | | | | SOP3240.2 | |
| 171 | Endrin ketone | ug/l | | Actual | | | | | SOP3240.2 | |
| 195 | Heptachlor | ug/l | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/l | | Actual | | | | | SOP3240.2 | |
| 220 | Methoxychlor | ug/l | | Actual | | | | | SOP3240.2 | |
| 330 | Toxaphene | ug/l | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|----------|--------|-----------|--------------|---------|
| PHENO_S | Phenolics, Total Recoverable S | Sample | Sediment | | | | N |
| Citations | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 287 | Phenols (mixture) | mg/kg | Total | Actual | | | | | SOP4201SO2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|--------------------------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| PHENO_SL | Phenolics,Total Recoverable SL | Sample | Soil | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 287 | Phenols (mixture) | mg/kg | Total | Actual | | | | | SOP4201SO2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|-------------------------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| PHENO_W | Phenolics,Total Recoverable W | Sample | Water | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 287 | Phenols (mixture) | ug/l | Total | Actual | | | | | SOP3154.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|--------------------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| PH_BIO | pH of Biological Samples | Sample | Water | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 284 | pH | None | | Actual | | | | | SOP2336.10 | |

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| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PH_FM_W | pH, Water by Field Measurement | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 284 | pH | None | | Actual | | | | | FM-PH | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PH_S | pH of Sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 284 | pH | None | | Actual | | | | | SOP3135.4 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PH_SL | pH of Soil | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 284 | pH | None | | Actual | | | | | SOP3135.4 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PH_W | pH of Water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 284 | pH | None | | Actual | | | | | SOP3135.5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| P_ORTH_D | Phosphorus,Ortho,Dissolved,W | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 288 | Phosphorus as PO4 | mg/l | Dissolved | Actual | | | | | SOP3133.5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| P_ORTH_T | Phosphorus,Ortho>Total,Water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 288 | Phosphorus as PO4 | mg/l | | Actual | | | | | SOP3133.5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|----------|--------|-----------|--------------|---------|
| P_T_S | Total Phosphorus,Sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 289 | Phosphorus | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| P_T_SL | Total Phosphorus,Soil | Sample | Soil | | | | N |

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Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 289 | Phosphorus | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| P_T_W | Total Phosphorus,Water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 289 | Phosphorus | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|--------|-----------|--------------|---------|
| RAFT | RAFT Kansas | Sample | Biological | Tissue | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lead | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |
| | Selenium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDD, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDE, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDT, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Heptachlor | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pentachloroanisole | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane, cis | mg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane, trans | mg | Total | Actual | | | | | SOP3210.3 | |
| | Nonachlor, trans- | mg | Total | Actual | | | | | SOP3210.3 | |
| | Cadmium | mg/kg | | Actual | | | | | SOP3122.3 | |
| | BHC-gamma (Lindane) | mg/kg | | Actual | | | | | SOP3210.3 | |
| | Dieldrin | mg/kg | | Actual | | | | | SOP3210.3 | |
| | Heptachlor epoxide | mg/kg | | Actual | | | | | SOP3210.3 | |
| | Hexachlorobenzene | mg/kg | | Actual | | | | | SOP3210.3 | |
| | Trifluralin | mg/kg | | Actual | | | | | SOP3210.3 | |
| | Nonachlor, cis- | | | Actual | | | | | SOP3210.3 | |
| | Oxychlordane | | | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|------------|--------|-----------|--------------|---------|
| RAFT-P_M | Fish Pestides and Metals | Sample | Biological | Tissue | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Selenium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Heptachlor epoxide | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Hexachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Nonachlor, cis- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Nonachlor, trans- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Oxychlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pentachloroanisole | mg/kg | Total | Actual | | | | | SOP3210.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Trifluralin | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Cadmium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Lead | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |
| | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Heptachlor | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane, cis | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane, trans | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDD ***retired*** (use DDD, p,p') | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDE ***retired*** (use DDE, p,p'-) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDT ***retired*** (use DDT, p,p'-) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Dieldrin | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|------------|--------|-----------|--------------|---------|
| RAFT_FF | Pesticide,Fish Fillet w/o skin | Sample | Biological | Tissue | | | N |
| Citations | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 045 | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 079 | Chlordane, cis | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 081 | Chlordane, trans | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 110 | DDD ***retired*** (use DDD, p,p') | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 111 | DDE ***retired*** (use DDE, p,p'-) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 112 | DDT ***retired*** (use DDT, p,p'-) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 144 | Dieldrin | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 195 | Heptachlor | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 196 | Heptachlor epoxide | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 199 | Hexachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 264 | Nonachlor, cis- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 265 | Nonachlor, trans- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 270 | Oxychlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 274 | Pentachloroanisole | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 349 | Trifluralin | mg/kg | Total | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|------------|--------|-----------|--------------|---------|
| RAFT_FFS | Pesticide, Fish Fillet w/ skin | Sample | Biological | Tissue | | | N |
| Citations | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 045 | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 079 | Chlordane, cis | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 081 | Chlordane, trans | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 110 | DDD ***retired*** (use DDD, p,p') | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 111 | DDE ***retired*** (use DDE, p,p') | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 112 | DDT ***retired*** (use DDT, p,p') | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 144 | Dieldrin | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 195 | Heptachlor | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 196 | Heptachlor epoxide | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 199 | Hexachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 264 | Nonachlor, cis- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 265 | Nonachlor, trans- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 270 | Oxychlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 274 | Pentachloroanisole | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 349 | Trifluralin | mg/kg | Total | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|------------|--------|-----------|--------------|---------|
| RAFT_FS | RAFT Fish Species Count | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 101 | Moxostoma macrolepidotum | count | | Actual | | | | | | |
| 105 | Ictiobus niger | count | | Actual | | | | | | |
| 106 | Polyodontidae | count | | Actual | | | | | | |
| 11 | Salmo trutta | count | | Actual | | | | | | |
| 12 | Cyprinus carpio | count | | Actual | | | | | | |
| 16 | Ictalurus punctatus | count | | Actual | | | | | | |
| 170 | Moxostoma anisurum | count | | Actual | | | | | | |
| 19 | Pylodictis olivaris | count | | Actual | | | | | | |
| 20 | Aplodinotus grunniens | count | | Actual | | | | | | |
| 24 | Carassius auratus | count | | Actual | | | | | | |
| 25 | Lepomis cyanellus | count | | Actual | | | | | | |
| 3 | Ictiobus cyprinellus | count | | Actual | | | | | | |
| 31 | Micropterus salmoides | count | | Actual | | | | | | |
| 36 | Esox lucius | count | | Actual | | | | | | |
| 38 | Lepomis gibbosus | count | | Actual | | | | | | |
| 385 | Carpiodes velifer | count | | Actual | | | | | | |
| 386 | Cycleptus elongatus | count | | Actual | | | | | | |
| 388 | Moxostoma carinatum | count | | Actual | | | | | | |
| 389 | Moxostoma duquesnei | count | | Actual | | | | | | |
| 39 | Oncorhynchus mykiss | count | | Actual | | | | | | |
| 390 | Moxostoma erythrurum | count | | Actual | | | | | | |
| 4 | Ictalurus melas | count | | Actual | | | | | | |
| 40 | Lepomis microlophus | count | | Actual | | | | | | |
| 41 | Moxostoma erythrurum | count | | Actual | | | | | | |
| 42 | Carpiodes carpio | count | | Actual | | | | | | |
| 43 | Ambloplites rupestris | count | | Actual | | | | | | |
| 46 | Stizostedion canadense | count | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 47 | Micropterus dolomieu | count | | Actual | | | | | | |
| 48 | Ictiobus bubalus | count | | Actual | | | | | | |
| 49 | Micropterus punctulatus | count | | Actual | | | | | | |
| 5 | Pomoxis nigromaculatus | count | | Actual | | | | | | |
| 51 | Minytrema melanops | count | | Actual | | | | | | |
| 52 | Morone saxatilis | count | | Actual | | | | | | |
| 55 | Stizostedion vitreum | count | | Actual | | | | | | |
| 56 | Lepomis gulosus | count | | Actual | | | | | | |
| 57 | Morone chrysops | count | | Actual | | | | | | |
| 59 | Pomoxis annularis | count | | Actual | | | | | | |
| 61 | Catostomus commersoni | count | | Actual | | | | | | |
| 62 | Ictalurus natalis | count | | Actual | | | | | | |
| 63 | Perca flavescens | count | | Actual | | | | | | |
| 67 | Ictalurus furcatus | count | | Actual | | | | | | |
| 72 | Lepomis megalotis | count | | Actual | | | | | | |
| 74 | Carpodes cyprinus | count | | Actual | | | | | | |
| 8 | Lepomis macrochirus | count | | Actual | | | | | | |
| 94 | Hypentelium nigricans | count | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|--------|-----------|--------------|---------|
| RAFT_L_W | RAFT fish measurements | Sample | Biological | Tissue | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1230 | Length, Total (Fish) | cm | | Actual | | | | | RAFT FISH PARAM | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1231 | Weight | g | | Actual | | | | | RAFT FISH PARAM | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|--------|-----------|--------------|---------|
| RAFT_WF | Pesticides, Whole Fish | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 045 | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 110 | DDD ***retired*** (use DDD, p,p') | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 111 | DDE ***retired*** (use DDE, p,p'-) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 112 | DDT ***retired*** (use DDT, p,p'-) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 118 | Diazinon | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 144 | Dieldrin | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 195 | Heptachlor | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 196 | Heptachlor epoxide | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 199 | Hexachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 246 | Mirex | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 274 | Pentachloroanisole | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 275 | Pentachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 320 | Tetrachlorobenzene, 1,2,4,5- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 349 | Trifluralin | mg/kg | Total | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|----------|--------|-----------|--------------|---------|
| REMAM_S | Metals, sediment, REMAP | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 032 | Barium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 098 | Chromium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 104 | Copper | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 249 | Nickel | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 307 | Silver | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| 361 | Zinc | mg/kg | Total | Actual | | | | | SOP3122.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| REMAM_W | Metals, water, REMAP | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 032 | Barium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 074 | Calcium | mg/l | | Actual | | | | | SOP3122.3 | |
| 098 | Chromium | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 104 | Copper | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 216 | Magnesium | mg/l | Total | Actual | | | | | SOP3122.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 249 | Nickel | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 293 | Potassium | mg/l | | Actual | | | | | SOP3122.3 | |
| 307 | Silver | ug/l | Total | Actual | | | | | SOP3122.3 | |
| 309 | Sodium | mg/l | Total | Actual | | | | | SOP3122.3 | |
| 361 | Zinc | ug/l | | Actual | | | | | SOP3122.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------------|----------------|------------|--------|-----------|--------------|---------|
| REMAP_F | REMAP Pesticides, Fish by GC/EC | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 011 | Aldrin | mg/kg | | Actual | | | | | SOP3210.3 | |
| 023 | Pcb-aroclor 1016 | mg/kg | Total | Actual | | | | | | |
| 024 | Pcb-aroclor 1221 | mg/kg | Total | Actual | | | | | | |
| 025 | Pcb-aroclor 1232 | mg/kg | Total | Actual | | | | | | |
| 026 | Pcb-aroclor 1242 | mg/kg | Total | Actual | | | | | | |
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | | |
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | | |
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | | |
| 042 | BHC-alpha | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 043 | BHC-beta | mg/kg | | Actual | | | | | SOP3210.3 | |
| 045 | BHC-gamma (Lindane) | mg/kg | | Actual | | | | | SOP3210.3 | |
| 079 | Chlordane, cis | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 081 | Chlordane, trans | mg/kg | | Actual | | | | | SOP3210.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 096 | Chlorpyrifos-methyl | mg/kg | | Actual | | | | | SOP3210.3 | |
| 110 | DDD, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 111 | DDE, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 112 | DDT, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 118 | Diazinon | mg/kg | | Actual | | | | | SOP3210.3 | |
| 144 | Dieldrin | mg/kg | | Actual | | | | | SOP3210.3 | |
| 165 | Disulfoton | mg/kg | | Actual | | | | | SOP3210.3 | |
| 169 | Endrin | mg/kg | | Actual | | | | | SOP3210.3 | |
| 195 | Heptachlor | mg/kg | | Actual | | | | | SOP3210.3 | |
| 196 | Heptachlor epoxide | mg/kg | | Actual | | | | | SOP3210.3 | |
| 199 | Hexachlorobenzene | mg/kg | | Actual | | | | | SOP3210.3 | |
| 264 | Nonachlor, cis- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 265 | Nonachlor, trans- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 270 | Oxychlorane | mg/kg | Total | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| REMAP_FP | REMAP Field Parameters | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Specific conductance | umho/cm | | Actual | | | | | | |
| 164 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | REMAP FIELD PAR | |
| 177 | Flow | cfs | | Actual | | | | | REMAP FIELD PAR | |
| 284 | pH | None | | Actual | | | | | REMAP FIELD PAR | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 319 | Temperature, water | deg C | | Actual | | | | | REMAP FIELD PAR | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|----------|--------|-----------|--------------|---------|
| REMAP_S | REMAP Pesticides,Sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 011 | Aldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 023 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 025 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 027 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 031 | Atrazine | ug/kg | | Actual | | | | | SOP3240.2 | |
| 042 | BHC-alpha | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 043 | BHC-beta | ug/kg | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | SOP3240.2 | |
| 079 | Chlordane, cis | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 080 | Chlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 081 | Chlordane, trans | ug/kg | | Actual | | | | | SOP3240.2 | |
| 096 | Chlorpyrifos-methyl | ug/kg | | Actual | | | | | SOP3240.2 | |
| 110 | DDD, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 111 | DDE, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 118 | Diazinon | ug/kg | | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 165 | Disulfoton | ug/kg | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 195 | Heptachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/kg | | Actual | | | | | SOP3240.2 | |
| 199 | Hexachlorobenzene | ug/kg | | Actual | | | | | SOP3240.2 | |
| 244 | Metolachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 264 | Nonachlor, cis- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 265 | Nonachlor, trans- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 270 | Oxychlorane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 296 | Propachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 349 | Trifluralin | ug/kg | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------------|----------------|--------|--------|-----------|--------------|---------|
| REMAP_SL | REMAP Pesticides, Soil by GC/EC | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 011 | Aldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 023 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 024 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 025 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 026 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 027 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 031 | Atrazine | ug/kg | | Actual | | | | | SOP3240.2 | |
| 042 | BHC-alpha | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 043 | BHC-beta | ug/kg | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | SOP3240.2 | |
| 079 | Chlordane, cis | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 080 | Chlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 081 | Chlordane, trans | ug/kg | | Actual | | | | | SOP3240.2 | |
| 096 | Chlorpyrifos-methyl | ug/kg | | Actual | | | | | SOP3240.2 | |
| 110 | DDD, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 111 | DDE, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 118 | Diazinon | ug/kg | | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 165 | Disulfoton | ug/kg | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 195 | Heptachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/kg | | Actual | | | | | SOP3240.2 | |
| 199 | Hexachlorobenzene | ug/kg | | Actual | | | | | SOP3240.2 | |
| 244 | Metolachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 264 | Nonachlor, cis- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 265 | Nonachlor, trans- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 270 | Oxychlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 296 | Propachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 349 | Trifluralin | ug/kg | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| REMAP_W | REMAP Pesticides,Water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/l | | Actual | | | | | | |
| 031 | Atrazine | ug/l | | Actual | | | | | | |
| 080 | Chlordane | ug/l | Total | Actual | | | | | | |
| 096 | Chlorpyrifos-methyl | ug/l | | Actual | | | | | | |
| 118 | Diazinon | ug/l | | Actual | | | | | | |
| 244 | Metolachlor | ug/l | | Actual | | | | | | |
| 296 | Propachlor | ug/l | | Actual | | | | | | |
| 349 | Trifluralin | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|--------|-----------|--------------|---------|
| RFT TR | RAFT TR RESULTS | Sample | Biological | Tissue | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Cadmium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Lead | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Mercury | mg/kg | Total | Actual | | | | | SOP3121.14 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Selenium | mg/kg | Total | Actual | | | | | SOP3122.3 | |
| | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDD, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDE, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | DDT, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Diazinon | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Dieldrin | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Heptachlor | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Heptachlor epoxide | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Hexachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Mirex | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pentachloroanisole | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Pentachlorobenzene | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Tetrachlorobenzene, 1,2,4,5- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| | Trifluralin | mg/kg | Total | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|------------|--------|-----------|--------------|---------|
| RFTPFF3C | Followup Fish Pest, Fillet | Sample | Biological | Tissue | | | N |
| Citations | R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, . | | | | | | |
| Description | Analysis of fish fillet samples by RLAB Method 3240.2E after prep by RLAB Method 3210.3C. | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 045 | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 079 | Chlordane, cis | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 081 | Chlordane, trans | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 110 | DDD ***retired*** (use DDD, p,p') | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 111 | DDE ***retired*** (use DDE, p,p') | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 112 | DDT ***retired*** (use DDT, p,p') | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 144 | Dieldrin | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 195 | Heptachlor | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 196 | Heptachlor epoxide | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 199 | Hexachlorobenzene | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 264 | Nonachlor, cis- | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 265 | Nonachlor, trans- | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 270 | Oxychlordane | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 274 | Pentachloroanisole | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 349 | Trifluralin | mg/kg | Total | Actual | | | | | RLABM3210.3C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|------------|--------|-----------|--------------|---------|
| RFTPWF3C | RAFT Fish Pest., Whole, GC/EC | Sample | Biological | Tissue | | | N |
| Citations | R7 AMM - US EPA Region 7 Laboratory, Updated Annually, US EPA Region 7 Laboratory Analytical Methods Manual, US EPA Region 7 Laboratory, . | | | | | | |
| Description | Analysis of whole fish samples by RLAB Method 3240.2E after prep by RLAB Method 3210.3C. | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 045 | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 110 | DDD ***retired*** (use DDD, p,p') | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 111 | DDE ***retired*** (use DDE, p,p'-) | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 112 | DDT ***retired*** (use DDT, p,p'-) | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 144 | Dieldrin | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 195 | Heptachlor | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 196 | Heptachlor epoxide | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 199 | Hexachlorobenzene | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 246 | Mirex | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 274 | Pentachloroanisole | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 275 | Pentachlorobenzene | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 320 | Tetrachlorobenzene, 1,2,4,5- | mg/kg | Total | Actual | | | | | RLABM3210.3C | |
| 349 | Trifluralin | mg/kg | Total | Actual | | | | | RLABM3210.3C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| SELENI_S | Selenium in Sediment by AA | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 306 | Selenium | mg/kg | Total | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| SELENI_W | Selenium in Water by AA | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 306 | Selenium | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| SELENI_SL | Selenium in Soil by AA | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 306 | Selenium | mg/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| SELENI_WD | Selenium,Dissolved,Water by AA | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 306 | Selenium | ug/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|----------|--------|-----------|--------------|---------|
| SILVE_S | Silver in Sediment by AA | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 307 | Silver | mg/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|----------------------|----------------|--------|--------|-----------|--------------|---------|
| SILVE_SL | Silver in Soil by AA | Sample | Soil | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 307 | Silver | mg/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| SILVE_W | Silver in Water by AA | Sample | Water | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 307 | Silver | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| SILVE_WD | Silver,Dissolved,Water by AA | Sample | Water | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 307 | Silver | ug/l | Dissolved | Actual | | | | | | |

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| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| SO3_S | Sulfide in Sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 317 | Sulfide | mg/kg | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| SO3_SL | Sulfide in Soil | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 317 | Sulfide | mg/kg | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| SO3_W | Sulfide in Water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 317 | Sulfide | mg/l | | Actual | | | | | | |

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| SO4_S | Sulfate in Sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 316 | Sulfur, sulfate (SO4) as SO4 | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|-----------------|----------------|--------|--------|-----------|--------------|---------|
| SO4_SL | Sulfate in Soil | Sample | Soil | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 316 | Sulfur, sulfate (SO4) as SO4 | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------|----------------|--------|--------|-----------|--------------|---------|
| SO4_W | Sulfate in Water | Sample | Water | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 316 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|----------------|----------------|----------|--------|-----------|--------------|---------|
| SOLIDS% | Precent Solids | Sample | Sediment | | | | N |
| Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 311 | Solids, Total | | | Actual | | | | | SOP3142.9 | |

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| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| TDS_W | TDS or Total Dissolved Soilds | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 313 | Solids, Dissolved | mg/l | | Actual | | | | | | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| TEMP_W | Temp of Water by Field Measure | Field Msr/Obs | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 319 | Temperature, water | deg C | | Actual | | | | | REMAP FIELD PAR | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| THALL_S | Thallium in Sediment by AA | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 325 | Thallium | mg/kg | | Actual | | | | | | |

| | | | | | | | |
|-----------------|------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| THALL_SL | Thallium in Soil by AA | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 325 | Thallium | mg/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|-------------------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| THALL_W | Thallium in Water by AA | Sample | Water | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 325 | Thallium | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|--------------------------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| THALL_WD | Thallium,Dissolved,Water by AA | Sample | Water | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 325 | Thallium | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|-------------------------------|---|--------|--------|-----------|--------------|---------|--|--|--|
| THF_W | Tetrahydrofuran Analysis in W | Sample | Water | | | | N | | | |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 324 | Tetrahydrofuran | ug/l | | Actual | | | | | | |

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| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| TOC_S | Total Organic Carbon, Sediment | Sample | Sediment | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 329 | Carbon, Total Organic (Toc) | mg/kg | | Actual | | | | | | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| TOC_SL | Total Organic Carbon, Soil | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 329 | Carbon, Total Organic (Toc) | mg/kg | | Actual | | | | | | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| TRIAH_W | Triazine Herbicides, Water | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/l | | Actual | | | | | | |
| 017 | Ametryne | ug/l | | Actual | | | | | | |
| 031 | Atrazine | ug/l | | Actual | | | | | | |
| 115 | Desisopropyl atrazine | ug/l | Total | Actual | | | | | | |
| 244 | Metolachlor | ug/l | | Actual | | | | | | |
| 245 | Metribuzin | ug/l | | Actual | | | | | | |
| 294 | Prometone | ug/l | | Actual | | | | | | |
| 295 | Prometryn | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 301 | Propazine | ug/l | | Actual | | | | | | |
| 308 | Simazine | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------------|---|--------|--------|-----------|--------------|---------|
| TURB_JTU | Turbidity,Water,Field Measure | Field Msr/Obs | Water | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |
| Description | | Light transmission measured with a spectrophotometer then converted to Jackson Turbidity Units (JTU) using a Jackson units table. For a suspension of clay < 50 NTU, 1 JTU ~ 2 NTU. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 354 | Turbidity | JTU | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------------|---|--------|--------|-----------|--------------|---------|
| TURB_NTU | Turbidity by Nephelometer | Sample | Water | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 354 | Turbidity | NTU | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------------------|---|----------|--------|-----------|--------------|---------|
| UAAH_S | UAA Herbicides,Sediment | Sample | Sediment | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |
| 125 | Dicamba | ug/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| UAAH_SL | UAA Herbicides,Soil by GC/EC | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |
| 125 | Dicamba | ug/kg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| UAAH_W | UAA Herbicides,Water by GC/EC | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 003 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |
| 125 | Dicamba | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|------------|--------|-----------|--------------|---------|
| UAAF_F | UAA Pesticides,Fish by GC/EC | Sample | Biological | Tissue | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 027 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 028 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 029 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 045 | BHC-gamma (Lindane) | mg/kg | | Actual | | | | | SOP3210.3 | |
| 079 | Chlordane, cis | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 080 | Chlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 081 | Chlordane, trans | mg/kg | | Actual | | | | | SOP3210.3 | |
| 110 | DDD, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 111 | DDE, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 112 | DDT, p,p'- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 118 | Diazinon | mg/kg | | Actual | | | | | SOP3210.3 | |
| 144 | Dieldrin | mg/kg | | Actual | | | | | SOP3210.3 | |
| 195 | Heptachlor | mg/kg | | Actual | | | | | SOP3210.3 | |
| 196 | Heptachlor epoxide | mg/kg | | Actual | | | | | SOP3210.3 | |
| 199 | Hexachlorobenzene | mg/kg | | Actual | | | | | SOP3210.3 | |
| 246 | Mirex | mg/kg | | Actual | | | | | SOP3210.3 | |
| 264 | Nonachlor, cis- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 265 | Nonachlor, trans- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 270 | Oxychlordane | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 274 | Pentachloroanisole | mg/kg | | Actual | | | | | SOP3210.3 | |
| 320 | Tetrachlorobenzene, 1,2,4,5- | mg/kg | Total | Actual | | | | | SOP3210.3 | |
| 349 | Trifluralin | mg/kg | | Actual | | | | | SOP3210.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|----------|--------|-----------|--------------|---------|
| UAAP_S | UAA Pesticides,Sediment | Sample | Sediment | | | | N |
| Citations | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 031 | Atrazine | ug/kg | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | SOP3240.2 | |
| 075 | Captan | ug/kg | | Actual | | | | | | |
| 080 | Chlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 096 | Chlorpyrifos-methyl | ug/kg | | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 118 | Diazinon | ug/kg | | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/kg | | Actual | | | | | SOP3240.2 | |
| 210 | Isofenphos | ug/kg | | Actual | | | | | | |
| 244 | Metolachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 245 | Metribuzin | ug/kg | | Actual | | | | | | |
| 349 | Trifluralin | ug/kg | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| UAAP_SL | UAA Pesticides,Soil by GC/EC | Sample | Soil | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | SOP3240.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 031 | Atrazine | ug/kg | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | SOP3240.2 | |
| 075 | Captan | ug/kg | | Actual | | | | | | |
| 080 | Chlordane | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 096 | Chlorpyrifos-methyl | ug/kg | | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/kg | Total | Actual | | | | | SOP3240.2 | |
| 118 | Diazinon | ug/kg | | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/kg | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/kg | | Actual | | | | | SOP3240.2 | |
| 210 | Isofenphos | ug/kg | | Actual | | | | | | |
| 244 | Metolachlor | ug/kg | | Actual | | | | | SOP3240.2 | |
| 245 | Metribuzin | ug/kg | | Actual | | | | | | |
| 349 | Trifluralin | ug/kg | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------------------------|---|--------|--------|-----------|--------------|---------|
| UAAP_W | UAA Pesticides,Water by GC/EC | Sample | Water | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 010 | Alachlor | ug/l | | Actual | | | | | SOP3240.2 | |
| 028 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 029 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 031 | Atrazine | ug/l | | Actual | | | | | SOP3240.2 | |
| 045 | BHC-gamma (Lindane) | ug/l | | Actual | | | | | SOP3240.2 | |
| 075 | Captan | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 080 | Chlordane | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 096 | Chlorpyrifos-methyl | ug/l | | Actual | | | | | SOP3240.2 | |
| 112 | DDT, p,p'- | ug/l | Total | Actual | | | | | SOP3240.2 | |
| 118 | Diazinon | ug/l | | Actual | | | | | SOP3240.2 | |
| 144 | Dieldrin | ug/l | | Actual | | | | | SOP3240.2 | |
| 169 | Endrin | ug/l | | Actual | | | | | SOP3240.2 | |
| 196 | Heptachlor epoxide | ug/l | | Actual | | | | | SOP3240.2 | |
| 210 | Isofenphos | ug/l | | Actual | | | | | | |
| 244 | Metolachlor | ug/l | | Actual | | | | | SOP3240.2 | |
| 245 | Metribuzin | ug/l | | Actual | | | | | | |
| 349 | Trifluralin | ug/l | | Actual | | | | | SOP3240.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| VOC_LD_W | VOC's,Water,GC/MS,LowDetection | Sample | Water | | | | N |

Citations USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, .

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006 | Acetone | ug/l | | Actual | | | | | | |
| 033 | Benzene | ug/l | | Actual | | | | | | |
| 058 | Bromoform | ug/l | | Actual | | | | | | |
| 077 | Carbon disulfide | ug/l | | Actual | | | | | | |
| 078 | Carbon tetrachloride | ug/l | Total | Actual | | | | | | |
| 086 | Chlorobenzene | ug/l | | Actual | | | | | | |
| 087 | Chloroethane | ug/l | | Actual | | | | | | |
| 088 | Chloroform | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 122 | Dibromodichloromethane | ug/l | | Actual | | | | | | |
| 131 | Dichloroethane, 1,1- | ug/l | | Actual | | | | | | |
| 132 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | | |
| 135 | Dichloroethene, trans-1,2- | ug/l | | Actual | | | | | | |
| 137 | Dichloropropane, 1,2- | ug/l | | Actual | | | | | | |
| 141 | cis-1,3-Dichloropropene | ug/l | | Actual | | | | | | |
| 142 | trans-1,3-Dichloropropene | ug/l | | Actual | | | | | | |
| 174 | Ethylbenzene | ug/l | | Actual | | | | | | |
| 205 | Hexanone, 2- | ug/l | | Actual | | | | | | |
| 315 | Styrene | ug/l | | Actual | | | | | | |
| 322 | Tetrachloroethane, 1,1,2,2- | | Total | Actual | | | | | | |
| 328 | Toluene | ug/l | | Actual | | | | | | |
| 357 | Vinyl chloride | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------------------|---|----------|--------|-----------|--------------|---------|
| VOC_S | VOC'sSediment,Matrices byGC/MS | Sample | Sediment | | | | N |
| Citations | | USEPA, REGION 7, ENVIRONMENTAL SERVICES DIVISION, 2000, OPERATIONS AND QUALITY ASSURANCE MANUAL, EPA, R7, . | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006 | Acetone | ug/kg | | Actual | | | | | | |
| 033 | Benzene | ug/kg | | Actual | | | | | | |
| 058 | Bromoform | ug/kg | | Actual | | | | | | |
| 077 | Carbon disulfide | ug/kg | | Actual | | | | | | |
| 078 | Carbon tetrachloride | ug/kg | Total | Actual | | | | | | |
| 086 | Chlorobenzene | ug/kg | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 087 | Chloroethane | ug/kg | | Actual | | | | | | |
| 088 | Chloroform | ug/kg | | Actual | | | | | | |
| 122 | Dibromodichloromethane | ug/kg | | Actual | | | | | | |
| 131 | Dichloroethane, 1,1- | ug/kg | | Actual | | | | | | |
| 132 | Dichloroethane, 1,2- | ug/kg | Total | Actual | | | | | | |
| 135 | Dichloroethene, trans-1,2- | ug/kg | | Actual | | | | | | |
| 137 | Dichloropropane, 1,2- | ug/kg | | Actual | | | | | | |
| 141 | cis-1,3-Dichloropropene | ug/kg | | Actual | | | | | | |
| 142 | trans-1,3-Dichloropropene | ug/kg | | Actual | | | | | | |
| 174 | Ethylbenzene | ug/kg | | Actual | | | | | | |
| 205 | Hexanone, 2- | ug/kg | | Actual | | | | | | |
| 315 | Styrene | ug/kg | | Actual | | | | | | |
| 322 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | | | | | |
| 328 | Toluene | ug/kg | | Actual | | | | | | |
| 357 | Vinyl chloride | ug/kg | | Actual | | | | | | |

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| Group ID SAMPLE | Group Name Chemical Measurements | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N | | | |
|--------------------|-------------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| P10 | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | -3.00000 - 38.00000 deg C | | | | | | | | |
| P1000 | Arsenic | ug/l | Dissolved | Actual | | | | | I3026 | 200.7-T |
| | Acceptable Range | 2.00000 - 100.00000 ug/l | | | | | | | | |
| P1002 | Arsenic | ug/l | Total | Actual | | | | | I3026 | 200.7-T |
| | Acceptable Range | 2.00000 - 220.00000 ug/l | | | | | | | | |
| P1020 | Boron | ug/l | Dissolved | Actual | | | | | 212.3 | |
| | Acceptable Range | 50.00000 - 1,200.00000 ug/l | | | | | | | | |
| P1025 | Cadmium | ug/l | Dissolved | Actual | | | | | 213.2 | |
| P1027 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| | Acceptable Range | 1.00000 - 1,200.00000 ug/l | | | | | | | | |
| P1030 | Chromium | ug/l | Dissolved | Actual | | | | | 218.2 | |
| P1034 | Chromium | ug/l | Total | Actual | | | | | 218.2 | |
| | Acceptable Range | 2.00000 - 220.00000 ug/l | | | | | | | | |
| P1040 | Copper | ug/l | Dissolved | Actual | | | | | 220.2 | |
| P1042 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| | Acceptable Range | 2.00000 - 220.00000 ug/l | | | | | | | | |
| P1045 | Iron | ug/l | Total | Actual | | | | | 236.1 | |
| | Acceptable Range | 20.00000 - 15,000.00000 ug/l | | | | | | | | |
| P1046 | Iron | ug/l | Dissolved | Actual | | | | | 236.1 | |
| P1049 | Lead | ug/l | Dissolved | Actual | | | | | 236.1 | |
| P1051 | Lead | ug/l | Total | Actual | | | | | 236.1 | |
| | Acceptable Range | 2.00000 - 200.00000 ug/l | | | | | | | | |
| P1055 | Manganese | ug/l | Total | Actual | | | | | 243.1 | |
| | Acceptable Range | 10.00000 - 1,500.00000 ug/l | | | | | | | | |
| P1056 | Manganese | ug/l | Dissolved | Actual | | | | | 243.1 | |
| P1090 | Zinc | ug/l | Dissolved | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P1092 | Zinc | ug/l | Total | Actual | | | | | | |
| P1105 | Aluminum | ug/l | Total | Actual | | | | | | |
| P1106 | Aluminum | ug/l | Dissolved | Actual | | | | | | |
| P1145 | Selenium | ug/l | Dissolved | Actual | | | | | 3114-B | |
| P1147 | Selenium | ug/l | Total | Actual | | | | | 3114-B | |
| | Acceptable Range | 1.00000 - 200.00000 ug/l | | | | | | | | |
| P25 | Barometric pressure | mm/Hg | | Actual | | | | | | |
| P300 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| P304 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 2 Day | 20 Deg C | | |
| P310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | | |
| P31503 | Total Coliform | cfu/100ml | | Actual | | | | | 9132 | |
| | Acceptable Range | 1.00000 - 100,000.00000 cfu/100ml | | | | | | | | |
| P31616 | Fecal Coliform | #/100ml | | Actual | | | 24 Hours | | 9222-D | |
| | Acceptable Range | 1.00000 - 100,000.00000 #/100ml | | | | | | | | |
| P31627 | Escherichia coli | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 100,000.00000 #/100ml | | | | | | | | |
| P31679 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1106_1 | |
| | Acceptable Range | 1.00000 - 30,000.00000 #/100ml | | | | | | | | |
| P32210 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | | |
| P335 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.2 | |
| | Acceptable Range | 1.00000 - 90.00000 mg/l | | | | | | | | |
| P400 | pH | None | Total | Actual | | | | | | |
| P403 | pH | None | | Actual | | | | | | |
| P410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| P440 | Bicarbonate | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P445 | Carbonate ion (CO3-2) | mg/l | Total | Actual | | | | | | |
| P48 | Partial pressure of dissolved gases | % | | Actual | | | | | | |
| P505 | Solids, Fixed | mg/l | Volatile | Actual | | | | | | |
| P530 | Solids, Fixed | mg/l | Suspended | Actual | | | | | | |
| P54 | Reservoir volume | ac-ft | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 2,000,000.00000 ac-ft | | | | | | | | |
| P61 | Flow | cfs | | Actual | | | | | | |
| P610 | Nitrogen, ammonia (NH3) as NH3 | mg/l - N | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 25.00000 mg/l - N | | | | | | | | |
| P612 | Ammonia, unionized | mg/l - N | Total | Actual | | | | | | |
| P613 | Nitrogen, Nitrite (NO2) as NO2 | mg/l - N | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l - N | | | | | | | | |
| P618 | Nitrogen, Nitrate (NO3) as NO3 | mg/l - N | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l - N | | | | | | | | |
| P62 | Elevation, water surface, MSL | ft | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ft | | | | | | | | |
| P623 | Nitrogen, Kjeldahl | mg/l - N | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.03000 - 20.00000 mg/l - N | | | | | | | | |
| P625 | Nitrogen, Kjeldahl | mg/l - N | Total | Actual | | | | | | |
| | Acceptable Range | 0.03000 - 50.00000 mg/l - N | | | | | | | | |
| P631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l - N | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 35.00000 mg/l - N | | | | | | | | |
| P65 | Stream stage height | ft | | Actual | | | | | | |
| P665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| P666 | Phosphorus as P | mg/l - P | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l - P | | | | | | | | |

Characteristic Group Details

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1119USBR

Bureau of Reclamation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00300 - 20.00000 mg/l | | | | | | | | |
| P678 | Phosphorus, hydrolyzable plus orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| P68 | Depth, data-logger (non-ported) | ft | | Actual | | | | | | |
| P680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | P680 | |
| | Acceptable Range | 0.05000 - 40.00000 mg/l | | | | | | | | |
| P681 | Carbon, organic | mg/l | Dissolved | Actual | | | | | P681 | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |
| P70301 | Solids, Total Suspended (TSS) | mg/l | Dissolved | Calculated | | | | | P70301 | |
| | Acceptable Range | 1.00000 - 10,000.00000 mg/l | | | | | | | | |
| P71800 | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| P71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.20000 - 200.00000 ug/l | | | | | | | | |
| P73004 | Nitrogen and argon (unspecified mix) | % | Dissolved | Calculated | | | | | | |
| P76 | Turbidity | NTU | | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 1,600.00000 NTU | | | | | | | | |
| P78 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| | Acceptable Range | 0.10000 - 20.00000 m | | | | | | | | |
| P80 | Color, True | PCU | | Actual | | | | | | |
| P80154 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Dry | | | P80154 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| P81354 | Biomass, plankton | mg/l | | Actual | | Dry | | | | |
| P82078 | Turbidity | NTU | | Actual | | | | | P82078 | |
| | Acceptable Range | 0.00000 - 250.00000 NTU | | | | | | | | |
| P86 | Odor, Threshold Number | DETECT | Total | Actual | | | | | | |
| P90 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |

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Bureau of Reclamation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P915 | Calcium Acceptable Range | mg/l | Dissolved | Actual | | | | | | |
| | | 0.20000 - 120.00000 mg/l | | | | | | | | |
| P925 | Magnesium Acceptable Range | mg/l | Dissolved | Actual | | | | | 242.1 | |
| | | 0.20000 - 120.00000 mg/l | | | | | | | | |
| P930 | Sodium Acceptable Range | mg/l | Dissolved | Actual | | | | | 273.1 | |
| | | 0.20000 - 150.00000 mg/l | | | | | | | | |
| P931 | Sodium plus potassium Acceptable Range | mg/l | Dissolved | Actual | | | | | | |
| | | 0.10000 - 100.00000 mg/l | | | | | | | | |
| P935 | Potassium Acceptable Range | mg/l | Dissolved | Actual | | | | | | |
| | | 0.20000 - 150.00000 mg/l | | | | | | | | |
| P94 | Specific conductance Acceptable Range | uS/cm | Total | Actual | | | | | P94 | |
| | | 0.00000 - 2,500.00000 uS/cm | | | | | | | | |
| P940 | Chloride Acceptable Range | mg/l | Total | Actual | | | | | | |
| | | 0.40000 - 150.00000 mg/l | | | | | | | | |
| P946 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l | Dissolved | Actual | | | | | | |
| | | 0.50000 - 220.00000 mg/l | | | | | | | | |
| P95 | Specific conductance Acceptable Range | uS/cm | | Actual | | | | 25 Deg C | | |
| | | 1.00000 - 2,500.00000 uS/cm | | | | | | | | |
| P950 | Fluorides Acceptable Range | mg/l | Dissolved | Actual | | | | 20 Deg C | 340.2 | |
| | | 0.01000 - 120.00000 mg/l | | | | | | | | |
| P955 | Silica Acceptable Range | mg/l | Dissolved | Actual | | | | | | |
| | | 0.10000 - 220.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| SAMPLE2 | FIELD TURBIDITY | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P82078 | Turbidity Acceptable Range | FTU | | Actual | | | | | | |
| | | 0.00000 - 100.00000 FTU | | | | | | | | |

Characteristic Group Details

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1119USBR

Bureau of Reclamation

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|--------------------------------------|---------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SAMPLEA | Field Turbidity | Sample | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| P82078 | Turbidity Acceptable Range | NTU | | Actual | | | | | | |
| | | 0.00000 - 150.00000 | NTU | | | | | | | |

Characteristic Group Details

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11DELMOD Delaware River Basin Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BUGDELR | Macroinvertebrates- River | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | |
|---------|----------------------------|--------|------------|-----------------|----------------------------|-------------------------------|---|
| BUGTRIB | Macroinvertebrates -Tribes | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
|---------|----------------------------|--------|------------|-----------------|----------------------------|-------------------------------|---|

| | | | | | | | |
|---------|---------------------------|--------|-------|--|--|--|---|
| FIXCHEM | Chemistry Sites - Sampled | Sample | Water | | | | N |
|---------|---------------------------|--------|-------|--|--|--|---|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 1.00000 - 1,000.00000 mg/l | | | | | | | | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.10000 - 100.00000 mg/l | | | | | | | | |
| E.COLI | Escherichia coli | #/100ml | Total | Actual | Mean | | | | 9222-B | |
| | Acceptable Range | 10.00000 - 100,000.00000 #/100ml | | | | | | | | |
| ENTERO | Enterococcus Group Bacteria | #/100ml | Fixed | Actual | | | | | 1106_1 | |
| | Acceptable Range | 10.00000 - 100,000.00000 #/100ml | | | | | | | | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | Mean | | | | 9222-D | |
| | Acceptable Range | 10.00000 - 100,000.00000 #/100ml | | | | | | | | |
| HARDNESS | Hardness, carbonate | mg/l | | Actual | | | | | 130.1 | |
| | Acceptable Range | 1.00000 - 100.00000 mg/l | | | | | | | | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.05000 - 100.00000 mg/l | | | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.02000 - 1,000.00000 mg/l | | | | | | | | |
| NITRITE | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.02000 - 100.00000 mg/l | | | | | | | | |

Characteristic Group Details

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11DELMOD

Delaware River Basin Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO2+NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| ORTHO-P | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | 365.2 | |
| | Acceptable Range | 0.01000 - 100.00000 mg/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | |
| | Acceptable Range | 8.00000 - 1,000.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.05000 - 100.00000 mg/l | | | | | | | | |
| TOTAL P | Phosphorus as P | mg/l | | Actual | | | | | 365.2 | |
| | Acceptable Range | 0.02000 - 100.00000 mg/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | Dry | | | 160.2 | |
| | Acceptable Range | 0.50000 - 1,000.00000 mg/l | | | | | | | | |
| TURBID | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.50000 - 1,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIXSITE | Chemistry Sites - field measmt | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIRTEMPC | Temperature, air | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| AIRTEMPF | Temperature, air | deg F | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 212.00000 deg F | | | | | | | | |
| CONDUCT | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 2510 | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| DOSAT% | Dissolved oxygen (DO) | % | Dissolved | Actual | | | | | 4500-O-G | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| DOSATVAL | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |

Characteristic Group Details

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11DELMOD

Delaware River Basin Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FLOW | Flow | cfs | | Actual | | | | | DISCH-INCR | |
| GAGEHT | Stream stage height | in | | Actual | | | | | GAGEHT | |
| H20TEMP | Temperature, water | deg F | | Actual | | | | | 2550 | |
| | Acceptable Range | 0.00000 - 212.00000 deg F | | | | | | | | |
| H20TEMPC | Temperature, water | deg C | | Actual | | | | | 2550 | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| PH | pH | None | | Actual | | | | | 4500-H | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| STAGE | Stream stage height | ft | | Actual | | | | | GAGEHT | |

Characteristic Group Details

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11NPSWRD

National Park Service

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------------|---|--------|--------|-----------|--------------|---------|
| ENVCOND | Environmental Condition Code | Field Msr/Obs | | | | | Y |
| Citations | | WRD_00000001 - Detterline, J.L. and W.E. Wilhelm, 1991, Survey of Pathogenic Naegleria fowleri and Thermotolerant Amebas in Federal Recreational Waters, Transactions of the American Microscopical Society, Inc., 110(3):244-261 | | | | | |
| Description | | Environmental Condition Code: 1 - pristine, undisturbed 2 - historically disturbed 3 - recently disturbed | | | | | |

| Row ID | Characteristic Name | Description |
|--------------|------------------------------|---|
| ENVCONDPCODE | Environmental Condition Code | The values represent history and degrees of ecological catastrophe involved in habitat changes. Types of catastrophic changes include thermal, chemical, and physical; the changes may be natural or anthropogenic. The coded values are: 1: pristine, stable conditions, relatively unchanged in a drastic manner since historic times; 2: drastic environmental change has occurred within historic times but at least three years prior to current measurement, and the system has not yet fully rebounded from injury; and 3: drastic environmental change has occurred recently (within the past three years) or the catastrophe has been so serious that the environment has not begun to rebound. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| IZWAINDX | Izaak Walton Stream Quality | Field Msr/Obs | | | | | Y |
| Description | | http://www.iwla.org/SOS/streamsurvey.html | | | | | |

| Row ID | Characteristic Name | Description |
|-------------------------|-----------------------|--|
| IZAAKWALTONSQ SINDEX | Izaak Walton WQ Index | The Izaak Walton League of America administers a Save Our Streams Program that uses the Stream Water Quality Index. The index values are weighted calculations based on sensitive and tolerant macroinvertebrates at the site. Generally, Values >22=Excellent; 17-22=Good; 11-16=Fair; <11=Poor; however, local modifications of these ratings may exist. Activity Comments may contain the rating scale, also. For a more detailed description of the program and the field sheet, go to http://www.iwla.org . |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| TEST | Herbs and Pests | Sample | Water | | | | N |

Characteristic Group Details

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11NPSWRD

National Park Service

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Trifluralin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 10 | Profluralin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 11 | Terbacil | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 12 | Metribuzin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 13 | Heptachlor | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 14 | Bromacil | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 15 | Metolachlor | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 16 | Aldrin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 17 | Isopropalin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 18 | Pendimethalin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 19 | Heptachlor epoxide | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 2 | Butylate | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 20 | DDE, p,p'- | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 21 | Dieldrin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 22 | Endrin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 23 | DDD, p,p'- | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 24 | DDT, p,p'- | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 25 | Endosulfan Sulfate | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 26 | Endosulfan, alpha- | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 27 | Endosulfan, beta- | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 28 | Methoxychlor | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 29 | Endrin Aldehyde | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 3 | Pebulate | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 30 | Endrin ketone | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 31 | Oxadiazon | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 32 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ppb | Total | Actual | | | | | NPS_LEGACY | |

Characteristic Group Details

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11NPSWRD

National Park Service

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 33 | Vernolate | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 34 | Benefin | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 35 | BHC-alpha | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 36 | BHC-beta | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 37 | BHC-delta | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 38 | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 4 | Molinate | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 5 | Propachlor | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 6 | Cycloate | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 7 | Simazine | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 8 | Atrazine | ppb | Total | Actual | | | | | NPS_LEGACY | |
| 9 | Propazine | ppb | Total | Actual | | | | | NPS_LEGACY | |

Characteristic Group Details

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11TOX09

U. S. EPA Region 9 (Monitoring & Assessment Office)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|-------------|-------------------------------|---------|
| BIO-001 | my taxa group | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Salmonidae | | | | | | | |
| | Samytha californiensis | | | | | | | |
| | Sardinella aurita | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| HAB-001 | user defined habitat | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-----------------|
| 1 | Boulder Size 1 | .25 - .4 meters |
| 2 | Boulder Size 2 | .4 - .6 meters |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| LOG-001 | logger group | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | ORG-001 | |
| DO_SAT | Dissolved oxygen saturation | % | Total | Actual | | | | | ORG-001 | |
| ORP | Oxidation reduction potential (ORP) | volts | Total | Actual | | | | | ORG-001 | |
| PH | pH | None | Total | Actual | | | | | ORG-001 | |
| SPEC_CONDUCTIVITY | Specific conductance | mS/cm | Total | Actual | | | | | ORG-001 | |

Characteristic Group Details

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11TOX09

U. S. EPA Region 9 (Monitoring & Assessment Office)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TEMP | Temperature, water | deg C | | Actual | | | | | ORG-001 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| WAT-001 | field water 1 | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH | pH | None | Total | Actual | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WAT-002 | water 2 | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Flow | cfs | | Actual | | | | | ORG-001 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WAT-003 | water 3 | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 2 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | | |

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1CTDPHBM

Connecticut Department of Public Health

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| ENTERO_1 | Marine water collection | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 10 | Enterococcus Group Bacteria | cfu/100ml | Total | Actual | MPN | | 24 Hours | 40 Deg C | ASTM D6503 | | |
| | Acceptable Range | 10.00000 - 20,000.00000 cfu/100ml | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACIDITY | Acidity | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| | Ionic Strength | | Total | Actual | | | | | | |
| ACID01 | Acidity as CaCO3 | mg/l | Fixed | Actual | | | | | 305.2 | |
| ACID02 | Acidity, Free Mineral (FMA) | mg/l | Total | Actual | | | | | 2310 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ADMIN | admin | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| | Acidity, Free Mineral (FMA) | mg/l | Total | Actual | | | | | | |
| | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | | |
| | Nitrogen, organic | | Total | Actual | | | | | | |
| | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| | Carbon, Total Inorganic | mg/l | Total | Actual | | | | | | |
| | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| ADMINE01 | Abandoned Mine Total Metal | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------|--|--------|--------|-----------|--------------|---------|
| AMBDISSM | Ambient Dissolved Metals | Sample | Water | | | | N |
| Description | | Dissolved Aluminum, Copper, Iron, Nickel, Silver, Zinc, and Lead | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AGD01 | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ALD01 | Aluminum | ug/l | Dissolved | Actual | | | | | 202.1 | |
| CDD01 | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CUD01 | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| FED01 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| NID01 | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| PBD01 | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| ZND01 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|---|--------|--------|-----------|--------------|---------|
| AMBMTL09 | Ambient Total Metals | Sample | Water | | | | N |
| Description | | Total Metals - Aluminum, Iron, Manganese, Mercury, Arsenic, Calcium, Magnesium, and Hexavalent Chromium | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALUMTOT1 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| ARTOT1 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| CALMTOT1 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FETOT1 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| HEXCHRM1 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| HGTOT1 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| MAGNTOT1 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| MANGTOT1 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| SELEN01 | Selenium | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|----------------------|----------------|--------|--------|-----------|--------------|---------|
| AMBNT01 | Ambient Non-Metallic | Sample | Water | | | | N |
| Description Acidity, Alkalinity, Hardness, Sulfate, Chloride, Suspended Solids, and Free Cyanide | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKN01 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| CHLD01 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| CYNTOT1 | Cyanide | mg/l | Free Available | Actual | | | | | 335.4 | |
| HACID01 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| HARD01 | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.2 | |
| IONIC | Ionic Strength | | Total | Actual | | | | | | |
| SOLID01 | Solids, Fixed | mg/l | Suspended | Actual | | | | | 160.2 | |
| SULF01 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| TSS01 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|----------------------|----------------|--------|--------|-----------|--------------|---------|
| AMBNT02 | Ambient Metals No. 1 | Sample | Water | | | | N |
| Description Total Iron, Manganese, Aluminum, Arsenic, & Mercury | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 3 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 4 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 5 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| AMBNT03 | Ambient Heavy Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| 2 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| 3 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 4 | Silver | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| AMBNT05 | Tot Metal - Al, Fe, Mn, Hg, As | Sample | Water | | | | N |

Description Total Aluminum, Total Iron, Total Manganese, Total Mercury, & Total Arsenic

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ATM01 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| ATM02 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| ATM03 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| ATM04 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| ATM05 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------------|---|------|---------------------------------|------------------------|----------------|--------------|------------------|------------|---------------------|----------------------------|
| Group ID AMBNT07 | Group Name Tot Metals - Al Fe Mn Hg As Ca | | Field Activity Sample | Medium Water | Intent | | Community | | Result Group | Habitat N |

Description Total Metals - Aluminum, Iron, Manganese, Mercury, Arsenic, Calcium, and Mangesium

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALTOT01 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| ASTOT01 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| CALTOT01 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| FETOT01 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| HGTOT01 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| MAGTOT01 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| MANTOT01 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |

| | | | | | | | | | | |
|-----------------------------|--|--|---------------------------------|------------------------|---------------|--|------------------|--|---------------------|---------------------|
| Group ID AMBNTNRT | Group Name Ambient Nutrients | | Field Activity Sample | Medium Water | Intent | | Community | | Result Group | Habitat N |
|-----------------------------|--|--|---------------------------------|------------------------|---------------|--|------------------|--|---------------------|---------------------|

Description Ammonia, TKN, NO3+NO2, Phosphorus

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NH3N01 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.2(C) | |
| NITROSUM | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Calculated | | | | | NITROSUM | |
| NO2NO3T1 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO2R1 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 354.1 | |
| NO3R1 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(D) | |
| PHOS04 | Phosphorus as PO4 | mg/l | Total | Actual | | | | | | |
| PHOSP01 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| TKN01 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |
| UNAMM1 | Ammonia, unionized | mg/l | Total | Calculated | | | | | UNAMM1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| AMBVIS02 | Visual for Stream, Weather, | Field Msr/Obs | Water | | | | N |
| Description | | Visual Conditions for Stream, Weather, and Oil-Grease | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AVIS1 | Oil and Grease | | | Actual | | | | | WVVISUAL01 | |
| AVIS2 | Weather Comments (text) | | | | | | | | WVVISUAL01 | |
| AVIS3 | Stream condition (text) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| AMBVISUL | Visual Severity | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| VIS01 | Cloud cover (choice list) | | | | | | | | WVVISUAL01 | |
| VIS02 | Algae, floating mat - severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS03 | Floating debris - severity (choice list) | | | | | | | | WVVISUAL01 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| VIS04 | Turbidity severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS05 | Fish Kill, severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS06 | Floating Detergent/Soap - Severity (Choice List) | | | | | | | | WVVISUAL01 | |
| VIS07 | Gas bubble severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS08 | Ice cover, floating or solid - severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS09 | Sludge, floating - severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS10 | Odor severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS12 | Floating solids, unspecified mix (choice list) | | | | | | | | WVVISUAL01 | |
| VIS13 | Stream condition (text) | | | | | | | | WVVISUAL01 | |
| VIS14 | Weather Comments (text) | | | | | | | | WVVISUAL01 | |
| VIS15 | Algae, substrate rock/bank cover (choice list) | | | | | | | | | |
| VIS16 | Non-plankton algae severity (choice list) | | | | | | | | | |
| VIS17 | Periphyton, substrate rock/bank encrustation (choice list) | | | | | | | | | |
| VIS18 | Oil and Grease, surface slick/sheen - severity (choice list) | | | | | | | | | |
| VIS19 | Floating foam/suds - severity (choice list) | | | | | | | | | |
| VIS20 | Floating Garbage Severity (Choice List) | | | | | | | | | |
| VIS21 | Floating sewage - severity (choice list) | | | | | | | | | |
| VIS22 | Flow, severity (choice list) | | | | | | | | | |
| VIS23 | Flow, stream stage (choice list) | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| VIS24 | Precipitation 24hr prior to monitoring event (choice list) | | | | | | | | | |
| VIS25 | Precipitation during activity (choice list) | | | | | | | | | |
| VIS26 | Sediment, Inorganic, Classification (Choice List) | | | | | | | | | |
| VIS27 | Sediment, Organic, Classification (Choice List) | | | | | | | | WVVISUAL01 | |
| VIS28 | Sludge, substrate rock/bank cover - severity (choice list) | | | | | | | | WVVISUAL01 | |
| VIS29 | Stream Physical Appearance (choice list) | | | | | | | | WVVISUAL01 | |
| VIS30 | Stream Recreational Suitability (choice list) | | | | | | | | WVVISUAL01 | |
| VIS31 | Water appearance (text) | | | | | | | | WVVISUAL01 | |
| VIS32 | Fish Kill Observation (text) | | | | | | | | WVVISUAL01 | |
| VIS33 | General Observation (text) | | | | | | | | WVVISUAL01 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| AMINE02 | Abandoned Mine Dissolved Metal | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| BED | Substrate | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Substrate - bedrock | % | | Actual | | | | | | |
| | Substrate - boulders | | | | | | | | | |
| | Substrate - boulders, large | | | | | | | | | |
| | Substrate - boulders, medium | | | | | | | | | |
| | Substrate - boulders, small | | | | | | | | | |
| | Substrate - clay | | | | | | | | | |
| | Substrate - clay, medium | | | | | | | | | |
| | Substrate - clay/fine partic. org. matt. | | | | | | | | | |
| | Substrate - claypan soil | | | | | | | | | |
| | Substrate - cobbles | | | | | | | | | |
| | Substrate - cobbles, large | | | | | | | | | |
| | Substrate - cobbles, medium | | | | | | | | | |
| | Substrate - cobbles, small | | | | | | | | | |
| | Substrate - detritus - coarse particulate | | | | | | | | | |
| | Substrate - grain size | | | | | | | | | |
| | Substrate - gravel | | | | | | | | | |
| | Substrate - gravel, coarse | | | | | | | | | |
| | Substrate - gravel, fine | | | | | | | | | |
| | Substrate - gravel, medium | | | | | | | | | |
| | Substrate - gravel, very coarse | | | | | | | | | |
| | Substrate - gravel, very fine | | | | | | | | | |
| | Substrate - miscellaneous other | | | | | | | | | |
| | Substrate - sand | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Substrate - sand, coarse | | | | | | | | | |
| | Substrate - sand, fine | | | | | | | | | |
| | Substrate - sand, medium | | | | | | | | | |
| | Substrate - sand, very coarse | | | | | | | | | |
| | Substrate - sand, very fine | | | | | | | | | |
| | Substrate - sediment thickness | | | | | | | | | |
| | Substrate - silt | | | | | | | | | |
| | Substrate - silt, coarse | | | | | | | | | |
| | Substrate - silt, fine | | | | | | | | | |
| | Substrate - silt, medium | | | | | | | | | |
| | Substrate - silt, very fine | | | | | | | | | |
| | Substrate - silt/clay mix | | | | | | | | | |
| | Substrate - submerged logs | | | | | | | | | |
| | Substrate - submerged vegetation cover | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CARBON | Carbon, Organic | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOC1 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 415.1 | |
| SOC1 | Carbon, Total Organic (Toc) | mg/l | Suspended | Calculated | | | | | 415.1 | |
| TOC1 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| COLIFM1 | Coliform Organisms | Sample | Water | | | | N |

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Description Fecal Coliform, Escherichia Coli (E.Coli)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ECOLI01 | Escherichia coli | #/100ml | Total | Actual | | | | | | |
| FECAL01 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| DATALG1 | Automatic Data Logger | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BATT1 | Data-logger operating voltage | volts | | Actual | | | | | | |
| COND1 | Specific conductance | uS/cm | | Actual | | | | | 2510 | |
| DOX1 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| DOXS1 | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| PH1 | pH | None | | Actual | | | | | 4500-H | |
| TEMPC1 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| TEMPF1 | Temperature, water | deg F | | Calculated | | | | | 2550 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| DISSMETL | Dissolved Metals | Sample | Water | | | | N |

Description Dissolved Metals - Silver, Cadmium, Copper, Nickel, Lead, & Zinc

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 2 | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 3 | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 5 | Cadmium | ug/l | Dissolved | Actual | | | | | 213.2 | |
| 6 | Lead | ug/l | Dissolved | Actual | | | | | 239.2 | |
| 7 | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|------------------|----------------|--------|--------|-----------|--------------|---------|
| DISSMTL2 | Dissolved Metals | Sample | Water | | | | N |
| Description Dissolved Metals - Aluminum, Iron, and Manganese | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Aluminum | ug/l | Dissolved | Actual | | | | | | |
| 2 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 3 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FAHDEG | Temperature, Degrees Fahrenheit | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FAH01 | Temperature, water | deg F | | Calculated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD1 | Field Measurements | Field Msr/Obs | Water | | | | N |
| Description Temperature, pH, Dissolved Oxygen, Conductivity | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND01 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| DOX01 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| PH01 | pH | None | | Actual | | | | | 4500-H | |
| TEMP01 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| TEMP02 | Temperature, water | deg F | | Calculated | | | | | 2550 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|------------|-------------|--------------|---------|
| FISH01 | Fishes | Sample | Biological | Individual | Fish/Nekton | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Micropterus | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW01 | Streamflow Measurements | Field Msr/Obs | Water | | | | N |

Description Flow, Depth, Stage, Width, and Velocity

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Flow | cfs | | Actual | | | | | WVFLOW01 | |
| 2 | Flow | cfs | | Calculated | Mean | | | | WVFLOW01 | |
| 3 | Depth, bottom | ft | | Actual | Mean | | | | | |
| 4 | Width | ft | | Actual | | | | | | |
| 5 | Stream width measure | ft | | Actual | | | | | | |
| 6 | Velocity - stream | ft/sec | | Actual | Mean | | | | | |

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|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLWSTG01 | Flow and Stage Data | Field Msr/Obs | Water | | | | N |

Description Ambient Streamflow and Stage Data from U.S. Geological Survey Gaging Stations

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SF01 | Flow | cfs | | Actual | | | | | WVFLOW02 | |
| SF02 | Gage height | ft | | Actual | | | | | | |
| SF03 | Flow | cfs | | Calculated | Median | | | | WVFLOW02 | |
| SF04 | Stream stage height | ft | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| HAB01WV | West Virginia Defined Habitat | Field Msr/Obs | | | | | Y |

Description Scores are: 0 to 5 are Poor. 6 to 10 are Marginal. 11 to 15 is Sub-optimal. 16 to 20 is Optimal. Scores for Banks are: 0 to 2 is Poor. 3 to 5 is Marginal. 6 to 8 is Sub-optimal. 9 to 10 is Optimal

| Row ID | Characteristic Name | Description |
|---------|--------------------------------|---|
| HABWV01 | Epif/Fish | Epifaunal Substrate/ Available Fish Cover. Score is from low of 0 to high at 20 |
| HABWV02 | Embeddedness | Embeddedness. Score is from low of 0 to high at 20 |
| HABWV03 | Velocity/Depth | Velocity/ Depth Regimes. Score is from low of 0 to high at 20 |
| HABWV04 | Channel Alteration | Channel Alteration. Score is from low of 0 to high at 20 |
| HABWV05 | Sediment Deposition | Sediment Deposition Score is from low of 0 to high at 20 |
| HABWV06 | Riffle Frequency | Riffle Frequency. Score is from low of 0 to high at 20 |
| HABWV07 | Channel Flow Status | Channel Flow Status. Score is from low of 0 to high at 20 |
| HABWV08 | Bank Stability Left | Bank Stability, Left Side, looking downstream. Score is from low of 0 to high at 10 |
| HABWV09 | Bank Stability Right | Bank Stability, Right Side, looking downstream Score is from low of 0 to high at 10 |
| HABWV10 | Bank Vegetative Protect. Left | Bank Vegetative Protection, Left Side, looking downstream. Score is from low of 0 to high at 10 |
| HABWV11 | Bank Vegetative Protect. Right | Bank Vegetative Protection, Right Side, looking downstream. Score is from low of 0 to high at 10 |
| HABWV12 | Veg. Zone Width Left | Width of Undisturbed Vegetative Zone, Left Side, looking downstream. Score is from low of 0 to high at 10 |

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| Row ID | Characteristic Name | Description |
|---------|-----------------------|---|
| HABWV13 | Veg. Zone Width Right | Width of Undisturbed Vegetative Zone, Right Side, looking downstream Score is from low of 0 to high at 10 |
| HABWV14 | Total Score | Total Rapid Habitat Assessment Score |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------------|--|--------|--------|-----------|--------------|---------|
| HAB02WV | West Virginia Special Habitat | Field Msr/Obs | | | | | Y |
| Description | | West Virginia Special Habitat Scores. 0 to 5 is Poor. 6 to 10 is Marginal. 11 to 15 is Sub-optimal and 16 to 20 is Optimal | | | | | |

| Row ID | Characteristic Name | Description |
|---------|---------------------|--|
| HABWV15 | Benthic Substrate | Benthic Macroinvert Substrate Score is from low of 0 to high at 20 |
| HABWV16 | Trash Index | Trash Index Score is from low of 0 to high at 20 |
| HABWV17 | Remoteness Rating | Remoteness Rating Score is from low of 0 to high at 20 |
| HABWV18 | Reach Type | Name of Type of Reach Sampled |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------|--|--------|--------|-----------|--------------|---------|
| IN96METL | 1996 Metals | Sample | Water | | | | N |
| Description | | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Mercury | | Total | Actual | | | | | 245.1 | |
| | Copper | | Total | Actual | | | | | 200.7(W) | |
| | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Lead | | Total | Actual | | | | | 200.7(W) | |

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|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| IN96NUT | Nutrients for 1996 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |
| | Phosphorus as P | | Total | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| | Nitrogen, ammonia as N | | Total | Actual | | | | | 350.2(C) | |

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| INBUG1 | Benthic Macroinvertebrate 1 | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Leuctridae | count | | Actual | | | | | | |
| 001 | Nemertea | count | | Actual | | | | | | |
| 002 | Nematoda | count | | Actual | | | | | | |
| 003 | Hydroida | count | | Actual | | | | | | |
| 004 | Turbellaria | count | | Actual | | | | | | |
| 005 | Bryozoa | count | | Actual | | | | | | |
| 006 | Hirudinea | count | | Actual | | | | | | |
| 007 | Oligochaeta | count | | Actual | | | | | | |
| 008 | Corbiculidae | count | | Actual | | | | | | |
| 009 | Sphaeriidae | count | | Actual | | | | | | |
| 010 | Ancylidae | count | | Actual | | | | | | |
| 011 | Lymnaeidae | count | | Actual | | | | | | |
| 012 | Physidae | count | | Actual | | | | | | |
| 013 | Planorbidae | count | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 014 | Cambaridae | count | | Actual | | | | | | |
| 015 | Asellidae | count | | Actual | | | | | | |
| 016 | Gammaridae | count | | Actual | | | | | | |
| 017 | Talitridae | count | | Actual | | | | | | |
| 018 | Baetidae | count | | Actual | | | | | | |
| 019 | Baetiscidae | count | | Actual | | | | | | |
| 020 | Caenidae | count | | Actual | | | | | | |
| 021 | Ephemerellidae | count | | Actual | | | | | | |
| 022 | Ephemeridae | count | | Actual | | | | | | |
| 023 | Heptageniidae | count | | Actual | | | | | | |
| 024 | Leptophlebiidae | count | | Actual | | | | | | |
| 025 | Oligoneuriidae | count | | Actual | | | | | | |
| 026 | Siphonuridae | count | | Actual | | | | | | |
| 027 | Tricorythidae | count | | Actual | | | | | | |
| 029 | Neophemeridae | count | | Actual | | | | | | |
| 030 | Potamanthidae | count | | Actual | | | | | | |
| 031 | Brachycentridae | count | | Actual | | | | | | |
| 032 | Glossosomatidae | count | | Actual | | | | | | |
| 033 | Hydropsychidae | count | | Actual | | | | | | |
| 034 | Hydroptilidae | count | | Actual | | | | | | |
| 035 | Rhyacophilidae | count | | Actual | | | | | | |
| 036 | Philopotamidae | count | | Actual | | | | | | |
| 037 | Psychomyiidae | count | | Actual | | | | | | |
| 038 | Lepidostomatidae | count | | Actual | | | | | | |
| 039 | Leptoceridae | count | | Actual | | | | | | |
| 040 | Limnephilidae | count | | Actual | | | | | | |
| 041 | Polycentropodidae | count | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 042 | Capniidae | count | | Actual | | | | | | |
| 043 | Chloroperlidae | count | | Actual | | | | | | |
| 044 | Nemouridae | count | | Actual | | | | | | |
| 045 | Peltoperlidae | count | | Actual | | | | | | |
| 046 | Perlidae | count | | Actual | | | | | | |
| 048 | Taeniopterygidae | count | | Actual | | | | | | |
| 049 | Perlodidae | count | | Actual | | | | | | |
| 050 | Aeshnidae | count | | Actual | | | | | | |
| 051 | Gomphidae | count | | Actual | | | | | | |
| 052 | Libellulidae | count | | Actual | | | | | | |
| 053 | Macromiidae | count | | Actual | | | | | | |
| 054 | Calopterygidae | count | | Actual | | | | | | |
| 055 | Coenagrionidae | count | | Actual | | | | | | |
| 056 | Corduliidae | count | | Actual | | | | | | |
| 057 | Curculionidae | count | | Actual | | | | | | |
| 058 | Dryopidae | count | | Actual | | | | | | |
| 059 | Dytiscidae | count | | Actual | | | | | | |
| 060 | Elmidae | count | | Actual | | | | | | |
| 061 | Gyrinidae | count | | Actual | | | | | | |
| 062 | Haliplidae | count | | Actual | | | | | | |
| 063 | Hydrophilidae | count | | Actual | | | | | | |
| 064 | Psephenidae | count | | Actual | | | | | | |
| 065 | Ptilodactylidae | count | | Actual | | | | | | |
| 066 | Corydalidae | count | | Actual | | | | | | |
| 067 | Sialidae | count | | Actual | | | | | | |
| 068 | Corixidae | count | | Actual | | | | | | |
| 069 | Gerridae | count | | Actual | | | | | | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 070 | Pyralidae | count | | Actual | | | | | | |
| 071 | Athericidae | count | | Actual | | | | | | |
| 072 | Tipulidae | count | | Actual | | | | | | |
| 073 | Ceratopogonidae | count | | Actual | | | | | | |
| 074 | Chaoboridae | count | | Actual | | | | | | |
| 075 | Culicidae | count | | Actual | | | | | | |
| 076 | Ephydriidae | count | | Actual | | | | | | |
| 077 | Empididae | count | | Actual | | | | | | |
| 078 | Simuliidae | count | | Actual | | | | | | |
| 079 | Tabanidae | count | | Actual | | | | | | |
| 080 | Chironomidae | count | | Actual | | | | | | |
| 112 | Psychodidae | count | | Actual | | | | | | |
| 134 | Veliidae | count | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|------------|-----------|--------------|---------|
| INBUG2 | Taxonomic Bug | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006 | Hirudinidae | count | | Actual | | | | | | |
| 082 | Polymitarcyidae | count | | Actual | | | | | | |
| 083 | Calamoceratidae | count | | Actual | | | | | | |
| 084 | Helicopsychidae | count | | Actual | | | | | | |
| 085 | Molannidae | count | | Actual | | | | | | |
| 086 | Odontoceridae | count | | Actual | | | | | | |
| 087 | Phryganeidae | count | | Actual | | | | | | |
| 088 | Sericostomatidae | count | | Actual | | | | | | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 089 | Spongillidae | count | | Actual | | | | | | |
| 090 | Sisyridae | count | | Actual | | | | | | |
| 091 | Hydrobiidae | count | | Actual | | | | | | |
| 092 | Pleuroceridae | count | | Actual | | | | | | |
| 093 | Viviparidae | count | | Actual | | | | | | |
| 094 | Branchiobdellidae | count | | Actual | | | | | | |
| 095 | Enchytraeidae | count | | Actual | | | | | | |
| 096 | Haplotaxidae | count | | Actual | | | | | | |
| 097 | Lumbriculidae | count | | Actual | | | | | | |
| 098 | Naididae | count | | Actual | | | | | | |
| 099 | Tubificidae | count | | Actual | | | | | | |
| 100 | Unionidae | count | | Actual | | | | | | |
| 103 | Hydrachnidae | count | | Actual | | | | | | |
| 104 | Lebertiidae | count | | Actual | | | | | | |
| 105 | Sperchonidae | count | | Actual | | | | | | |
| 106 | Palaemonidae | count | | Actual | | | | | | |
| 107 | Blephariceridae | count | | Actual | | | | | | |
| 109 | Dixidae | count | | Actual | | | | | | |
| 110 | Dolichopodidae | count | | Actual | | | | | | |
| 111 | Muscidae | count | | Actual | | | | | | |
| 113 | Ptychopteridae | count | | Actual | | | | | | |
| 114 | Sciomyzidae | count | | Actual | | | | | | |
| 115 | Stratiomyidae | count | | Actual | | | | | | |
| 116 | Syrphidae | count | | Actual | | | | | | |
| 117 | Tanyderidae | count | | Actual | | | | | | |
| 118 | Chrysomelidae | count | | Actual | | | | | | |
| 119 | Helodidae | count | | Actual | | | | | | |

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|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 120 | Limnichidae | count | | Actual | | | | | | |
| 121 | Noteridae | count | | Actual | | | | | | |
| 122 | Cordulegastridae | count | | Actual | | | | | | |
| 124 | Lestidae | count | | Actual | | | | | | |
| 126 | Belostomatidae | count | | Actual | | | | | | |
| 127 | Gelastocoridae | count | | Actual | | | | | | |
| 128 | Hebridae | count | | Actual | | | | | | |
| 129 | Hydrometridae | count | | Actual | | | | | | |
| 130 | Mesoveliidae | count | | Actual | | | | | | |
| 131 | Naucoridae | count | | Actual | | | | | | |
| 132 | Nepidae | count | | Actual | | | | | | |
| 133 | Notonectidae | count | | Actual | | | | | | |
| 135 | Dendrocoelidae | count | | Actual | | | | | | |
| 136 | Planariidae | count | | Actual | | | | | | |
| 137 | Erpobdellidae | count | | Actual | | | | | | |
| 138 | Glossiphoniidae | count | | Actual | | | | | | |
| 139 | Piscicolidae | count | | Actual | | | | | | |
| 142 | Carabidae | count | | Actual | | | | | | |
| 143 | Staphylinidae | count | | Actual | | | | | | |
| 146 | Georyssidae | count | | Actual | | | | | | |
| 147 | Saldidae | count | | Actual | | | | | | |
| 148 | Crangonidae | count | | Actual | | | | | | |
| 149 | Scirtidae | count | | Actual | | | | | | |
| 151 | Hydraenidae | count | | Actual | | | | | | |
| 153 | Collembola | count | | Actual | | | | | | |
| 154 | Dreissena polymorpha | count | | Actual | | | | | | |
| 421 | Capniidae | count | | Actual | | | | | | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 422 | Leuctridae | count | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| IN SCHLD | Chlorides | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chloride | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| INSTV03 | Nutrients | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INUTR01 | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-E | |
| INUTR02 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| INUTR03 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| INUTR04 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| INUTR05 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| INUTR06 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| INTSV01 | Intensive Survey Non-Metallic | Sample | Water | | | | N |

Description Acidity, Alkalinity, Sulfate, and Solids

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| 2 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 3 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 4 | Solids, Fixed | mg/l | Suspended | Actual | | | | | 160.2 | |
| 5 | Acidity as CaCO3 | mg/l | Fixed | Actual | | | | | 305.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| INTSV02 | Intensive Survey Metallic | Sample | Water | | | | N |

Description Total Metals - Aluminum, Calcium, Copper, Iron, Magnesium, Manganese, and Zinc.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALS1 | Aluminum | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| ALT1 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| CAT1 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| CUT1 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| FE1 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| MGT1 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| MNT1 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| SELEN1 | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| ZNT1 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| INTSV09 | Turbidity, Chloride, TSS | Sample | Water | | | | N |

Description Turbidity, Chloride, Suspended Solids.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| | Turbidity | NTU | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| INVSDM97 | Dissolved Metals in NB Potom | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Magnesium | mg/l | Dissolved | Actual | | | | | | |
| | Manganese | ug/l | Dissolved | Actual | | | | | | |
| | Molybdenum | ug/l | Dissolved | Actual | | | | | | |
| | Nickel | ug/l | Dissolved | Actual | | | | | | |
| | Selenium | ug/l | Dissolved | Actual | | | | | | |
| | Thallium | ug/l | Dissolved | Actual | | | | | | |
| | Titanium | ug/l | Dissolved | Actual | | | | | | |
| | Vanadium | ug/l | Dissolved | Actual | | | | | | |
| | Zinc | ug/l | Dissolved | Actual | | | | | | |
| | Lead | ug/l | Dissolved | Actual | | | | | | |
| | Calcium | mg/l | Dissolved | Actual | | | | | | |
| | Chromium | ug/l | Dissolved | Actual | | | | | | |
| | Copper | ug/l | Dissolved | Actual | | | | | | |
| | Iron | ug/l | Dissolved | Actual | | | | | | |
| | Barium | ug/l | Dissolved | Actual | | | | | | |
| | Beryllium | ug/l | Dissolved | Actual | | | | | | |
| | Boron | ug/l | Dissolved | Actual | | | | | | |
| | Cadmium | ug/l | Dissolved | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | ug/l | Dissolved | Actual | | | | | | |
| | Arsenic | ug/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| INVSTM97 | Total Metals North Br. 1997 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NBAL97 | Aluminum | ug/l | Total | Actual | | | | | 202.1 | |
| NBAR97 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| NBB97 | Boron | ug/l | Total | Actual | | | | | 200.7(W) | |
| NBBA97 | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |
| NBBE97 | Beryllium | ug/l | Total | Actual | | | | | 210.1 | |
| NBCA97 | Calcium | mg/l | Total | Actual | | | | | 215.1 | |
| NBCD97 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| NBCO97 | Cobalt | ug/l | Total | Actual | | | | | 219.2 | |
| NBCR97 | Chromium | ug/l | Total | Actual | | | | | 218.1 | |
| NBCU97 | Copper | ug/l | Total | Actual | | | | | 220.1 | |
| NBFE97 | Iron | ug/l | Total | Actual | | | | | 236.1 | |
| NBMG97 | Magnesium | mg/l | Total | Actual | | | | | 242.1 | |
| NBMN97 | Manganese | ug/l | Total | Actual | | | | | 243.1 | |
| NBMO97 | Molybdenum | ug/l | Total | Actual | | | | | 246.1 | |
| NBNI97 | Nickel | ug/l | Total | Actual | | | | | 249.1 | |
| NBPB97 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| NBSB97 | Antimony | ug/l | Total | Actual | | | | | 204.2 | |
| NBSE97 | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| NBSN97 | Tin | ug/l | Total | Actual | | | | | 282.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NBT197 | Titanium | ug/l | Total | Actual | | | | | 283.2 | |
| NBTL97 | Thallium | ug/l | Total | Actual | | | | | 279.2 | |
| NBV97 | Vanadium | ug/l | Total | Actual | | | | | 286.2 | |
| NBZN97 | Zinc | ug/l | Total | Actual | | | | | 289.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------------|---|--------|--------|-----------|--------------|---------|
| ISDSMT01 | Intensive Survey Dissolved Met | Sample | Water | | | | N |
| Description | | Dissolved Aluminum, Copper, Iron, Zinc, Calcium, and Maganese | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALD01 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| CAD01 | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| CUD01 | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| FED01 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| MND01 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ZND01 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------|---|--------|--------|-----------|--------------|---------|
| IVSAMPLE | Intensive Survey Sample | Sample | Water | | | | N |
| Description | | Lab pH, Acidity, Alkalinity, Sulfate, TSS | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| | pH | None | | Actual | | | | | 150.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| NPDES | NPDES Monitoring Data | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Carbon tetrachloride | ug/l | Total | Actual | | | | | | |
| | Barium | ppb | Total | Actual | | | | | | |
| | Lead | ppb | Total | Actual | | | | | | |
| | Chloroethane | ug/l | Volatile | Actual | | | | | | |
| | Specific conductance | mho/cm | | Actual | | | | | | |
| | Temperature, water | deg F | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| PHOS | Phosphorus | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHOS01 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| PHOS02 | Phosphorus as PO4 | mg/l | Total | Actual | | | | | 365.2 | |
| PHOS03 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | | |
| PHOS04 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| RBPHAB | Habitat Assessment | Field Msr/Obs | | | | | | | Y | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| RBPHAB01 | RBP Bank Vegetative Protection, Left | | | | | | | | | |
| RBPHAB02 | RBP Bank Vegetative Protection, Right | | | | | | | | | |
| RBPHAB03 | RBP Bank Vegetative Stability, Left | | | | | | | | | |
| RBPHAB04 | RBP Bank Vegetative Stability, Right | | | | | | | | | |
| RBPHAB05 | RBP Embeddedness | | | | | | | | | |
| RBPHAB06 | RBP Epifaunal Substrate | | | | | | | | | |
| RBPHAB07 | RBP Channel Alteration | | | | | | | | | |
| RBPHAB08 | RBP Frequency of Riffles | | | | | | | | | |
| RBPHAB09 | RBP Sediment Deposition | | | | | | | | | |
| RBPHAB10 | RBP Sediment Odors | | | | | | | | | |
| RBPHAB11 | RBP Sediment Oils | | | | | | | | | |
| RBPHAB12 | RBP Stream Depth - Pool | m | | Actual | Mean | | | | | |
| RBPHAB13 | RBP Stream Depth - Riffle | m | | Actual | Mean | | | | | |
| RBPHAB14 | RBP Stream Depth - Run | m | | Actual | Mean | | | | | |
| RBPHAB15 | RBP Stream Width | m | | Actual | Mean | | | | | |
| RBPHAB16 | RBP Water Odors | | | | | | | | | |
| RBPHAB17 | RBP Water Surface Oils | | | | | | | | | |
| RBPHAB18 | RBP Local Watershed NPS Pollution | | | | | | | | | |
| RBPHAB19 | RBP Local Watershed Erosion | | | | | | | | | |
| RBPHAB20 | RBP2, Watershed, Predominant Surrounding Landuse | | | | | | | | | |
| RBPHAB21 | RBP2, Sediment/Substrate, | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| RBP2 | Deposits | | | | | | | | | |
| RBP2 | Sediment/Substrate, Odors | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| RBP2 | Habitat Low Gradient | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LHAB01 | RBP2, High G, Velocity/Depth Regime | | | | | | | | | |
| LHAB02 | RBP2, Low G, Bank Stability, Left Bank | | | | | | | | | |
| LHAB03 | RBP2, Low G, Bank Stability, Right Bank | | | | | | | | | |
| LHAB04 | RBP2, Low G, Channel Alteration | | | | | | | | | |
| LHAB05 | RBP2, Low G, Channel Flow Status | | | | | | | | | |
| LHAB06 | RBP2, Low G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| LHAB07 | RBP2, Low G, Habitat Assessment Total Score | None | | Actual | | | | | | |
| LHAB08 | RBP2, Low G, Sediment Deposition | | | | | | | | | |
| LHAB09 | RBP2, Low G, Vegetative Protection, Left Bank | | | | | | | | | |
| LHAB10 | RBP2, Low G, Vegetative Protection, Right Bank | | | | | | | | | |
| LHAB11 | RBP Embeddedness | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LHAB12 | RBP Frequency of Riffles | | | | | | | | | |
| LHAB13 | RBP2, Low G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| LHAB14 | RBP2, Low G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| RBPSPEC | Special Water Visual | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ODOR01 | RBP Water Odors | | | | | | | | | |
| OIL01 | RBP Water Surface Oils | | | | | | | | | |
| STAGE01 | Flow, stream stage (choice list) | | | | | | | | | |
| TURB01 | RBP Turbidity Code | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RBPSTREA | RBP Streams Width and Depth | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | RBP Stream Width | ft | | Calculated | Mean | | | | | |
| | RBP Stream Depth - Riffle | m | | Actual | Mean | | | | | |
| | RBP Stream Depth - Riffle | ft | | Calculated | Mean | | | | | |
| | RBP Stream Depth - Run | m | | Actual | Mean | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | RBP Stream Depth - Run | ft | | Calculated | Mean | | | | | |
| | RBP Stream Depth - Pool | m | | Actual | Mean | | | | | |
| | RBP Stream Depth - Pool | ft | | Calculated | Mean | | | | | |
| | RBP Stream Width | m | | Actual | Mean | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| RBPSUBST | RBP Substrates | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | General Observation (text) | | | | | | | | | |
| | RBP2, Substrate, Inorganic, Cobble, 64-256 mm | % | | Actual | | | | | | |
| | RBP2, Substrate, Inorganic, Bedrock | % | | Actual | | | | | | |
| | RBP2, Substrate, Inorganic, Boulder, >256 mm | % | | Actual | | | | | | |
| | RBP2, Substrate, Inorganic, Gravel, 2-64 mm | % | | Actual | | | | | | |
| | RBP2, Substrate, Inorganic, Sand, 0.06-2 mm | % | | Actual | | | | | | |
| | RBP2, Substrate, Inorganic, Silt, 0.004-0.06 mm | % | | Actual | | | | | | |
| | RBP2, Substrate, Inorganic, Clay, <0.004 mm | % | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| SEMIVOLT | Semi-Volatile Organics | Sample | Water | | | | N |

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Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SEMV01 | Acenaphthene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV02 | Acenaphthylene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV03 | Anthracene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV04 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV05 | Benidine | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV06 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV07 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV08 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV09 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV10 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV11 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV12 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV13 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV14 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV15 | Dichlorobenzidine, 3,3' | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV16 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV17 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV18 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV19 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV20 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV21 | Diphenylhydrazine, 1,2- | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV22 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV23 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV24 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV25 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV26 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 8270C(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SEMV27 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV28 | Hexachloroethane | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV29 | Isophorone | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV30 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV31 | Naphthalene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV32 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV33 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV34 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV35 | Phenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV36 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV37 | Diethyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV38 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV39 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV40 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV41 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV42 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV43 | Pyrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV44 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV45 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV46 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV47 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV48 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV49 | 4,6-Dichloro-2-methylphenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV50 | Fluorene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV51 | Phenanthrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| SEMV52 | Fluoranthene | ug/l | Total | Actual | | | | | 8270C(W) | |

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|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SEMV53 | Chrysene | ug/l | Total | Actual | | | | | 8270C(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| STAGE | Flow Gage Stage height | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Stream stage height | ft | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| STONY1 | pH, TSS, Spec. Cond. | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| | pH | None | | Actual | | | | | 150.1 | |
| | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| SUBSTRAT | Substrates | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SUBST01 | RBP Substrate - Bedrock | % | | Actual | | | | | | |
| SUBST02 | RBP Substrate - Boulders >256 mm | % | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SUBST03 | RBP Substrate - Cobbles 64-256 mm | % | | Actual | | | | | | |
| SUBST04 | RBP Substrate - Detritus - Coarse Particulate | % | | Actual | | | | | | |
| SUBST05 | RBP Substrate - Gravel 2-64 mm | % | | Actual | | | | | | |
| SUBST06 | RBP Substrate - Marl - Gray, Shell Fragments | % | | Actual | | | | | | |
| SUBST07 | RBP Substrate - Muck/Mud - Very Fine Particles | % | | Actual | | | | | | |
| SUBST08 | RBP Substrate - Sand 0.06-2.0 mm | % | | Actual | | | | | | |
| SUBST09 | RBP Substrate - Silt 0.004-0.06 mm | % | | Actual | | | | | | |
| SUBST10 | RBP2, Substrate, Inorganic, Bedrock | % | | Actual | | | | | | |
| SUBST11 | RBP2, Substrate, Inorganic, Boulder, >256 mm | % | | Actual | | | | | | |
| SUBST12 | RBP2, Substrate, Inorganic, Clay, <0.004 mm | % | | Actual | | | | | | |
| SUBST13 | RBP2, Substrate, Inorganic, Cobble, 64-256 mm | % | | Actual | | | | | | |
| SUBST14 | RBP2, Substrate, Inorganic, Gravel, 2-64 mm | % | | Actual | | | | | | |
| SUBST15 | RBP2, Substrate, Inorganic, Sand, 0.06-2 mm | % | | Actual | | | | | | |
| SUBST16 | RBP2, Substrate, Inorganic, Silt, 0.004-0.06 mm | % | | Actual | | | | | | |
| SUBST17 | RBP2, Substrate, Organic, Detritus, Sticks, Wood, etc.(CPOM) | % | | Actual | | | | | | |
| SUBST18 | RBP2, Substrate, Organic, Marl, | % | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--|---|--|------------------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| SUBST19 | Grey Shell Fragments RBP2, Substrate, Organic, Muck-Mud, Black-Fine (FPOM) | % | | Actual | | | | | | |
| Group ID TDMLTXT0 | Group Name TMDL Text Data | Field Activity Field Msr/Obs | Medium Water | Intent | Community | | | Result Group | | Habitat N |
| Group ID TMDL01 | Group Name TMDL Sampling | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | | Habitat N |
| Description Chlorides, COD, Flouride, Hardness, NO3&NO2, Sulfate, TSS, TOC, Tirbidity | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 01 | Hardness, carbonate | mg/l | Total | Calculated | | | | | 130.2 | |
| 02 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 03 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 04 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| 05 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | | |
| 06 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 07 | Turbidity | NTU | | Actual | | | | | | |
| 08 | Fluorides | mg/l | Total | Actual | | | | | | |
| 09 | Phosphorus | mg/l | Total | Actual | | | | | | |
| Group ID TMDL02 | Group Name TMDL Dissolved Metals | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | | Habitat N |

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Description Dissolved Copper, Zinc, Iron, and Manganese.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 02 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 03 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 04 | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| TMDL03 | Diss. Metal | Sample | Water | | | | N |

Description Dissolved Aluminum, Iron, Zinc & Lead

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALDTMDL | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ALSTMDL | Aluminum | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| FEDTMDL | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| PBDTMDL | Lead | ug/l | Dissolved | Actual | | | | | 239.2 | |
| ZNSTMDL | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDL04 | TMDL Elk Total Metals | Sample | Water | | | | N |

Description Total Aluminum, Iron, Zinc & Lead

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALTMDL | Aluminum | ug/l | Total | Actual | | | | | | |
| FETMDL | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PBTMDL | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| ZNTMDL | Zinc | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLDM02 | TMDL Diss. Al., Fe., and Pb | Sample | Water | | | | N |

Description Dissolved Aluminum, Iron, and Lead for TMDL

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TMDLDAL1 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| TMDLDFE1 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| TMDLDPB1 | Lead | ug/l | Dissolved | Actual | | | | | 239.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLDSMT | Dissolved Mine Metals | Sample | Water | | | | N |

Description Dissolved Aluminum & Iron

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLEMB1 | TMDL RBP Embeddedness | Field Msr/Obs | | | | | Y |

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| Row ID | Characteristic Name | Description |
|---------|---------------------|-------------|
| EMBED01 | Embeddedness | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLFLOW | Flows for TMDL Sites | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|----------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BANK01 | Width | ft | | Actual | | | | | WVFLOW01 | |
| DEPTH01 | Depth, bottom | ft | | Actual | Mean | | | | WVFLOW01 | |
| FLW01 | Flow | cfs | | Actual | | | | | WVFLOW01 | |
| VELOC01 | Velocity - stream | ft/sec | | Actual | Mean | | | | WVFLOW01 | |
| WIDTH01 | Stream width measure | ft | | Actual | | | | | WVFLOW01 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLHAB1 | TMDL Habitat | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TMDLRBP01 | RBP2, Low G, Sediment Deposition | | | | | | | | | |
| TMDLRBP02 | RBP2, Low G, Bank Stability, Left Bank | | | | | | | | | |
| TMDLRBP03 | RBP2, Low G, Bank Stability, Right Bank | | | | | | | | | |
| TMDLRBP04 | RBP2, Low G, Vegetative Protection, Left Bank | | | | | | | | | |
| TMDLRBP05 | RBP2, Low G, Vegetative Protection, Right Bank | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TMDLRBP06 | RBP2, Low G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| TMDLRBP07 | RBP2, Low G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLHAB2 | TMDL Habitat No. 2 | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| RBPTMDL02 | RBP2, Low G, Bank Stability, Left Bank | | | | | | | | | |
| RBPTMDL03 | RBP2, Low G, Bank Stability, Right Bank | | | | | | | | | |
| RBPTMDL04 | RBP2, Low G, Channel Alteration | | | | | | | | | |
| RBPTMDL05 | RBP2, Low G, Channel Flow Status | | | | | | | | | |
| RBPTMDL06 | RBP2, Low G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| RBPTMDL07 | RBP2, Low G, Habitat Assessment Total Score | None | | Calculated | | | | | | |
| RBPTMDL08 | RBP2, Low G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| RBPTMDL09 | RBP2, Low G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| RBPTMDL10 | RBP2, Low G, Sediment | | | | | | | | | |

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|-----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Deposition | | | | | | | | | |
| RBPTMDL11 | RBP2, Low G, Vegetative Protection, Left Bank | | | | | | | | | |
| RBPTMDL12 | RBP2, Low G, Vegetative Protection, Right Bank | | | | | | | | | |
| RBPTMDL13 | RBP2, High G, Velocity/Depth Regime | | | | | | | | | |
| RBPTMDL14 | RBP Frequency of Riffles | | | | | | | | | |
| RBPTMDL15 | RBP Substrate - Bedrock | % | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---|----------------|--------|--------|-----------|--------------|---------|
| TMDLHDS | Hardness and Tot. Sus. Solids | Sample | Water | | | | N |
| | Description Total Hardness and Total Suspended Solids for TMDL | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HARD01 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| TSS01 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---|----------------|--------|--------|-----------|--------------|---------|
| TMDLJAM | Lab. Conduct and TSS | Sample | Water | | | | N |
| | Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLSMP | TMDL Samples | Sample | Water | | | | N |

Description Acidity, Alkalinity, Sulfate, and Suspended Solids

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| TMDLTMTL | TMDL Mine Total Metals | Sample | Water | | | | N |

Description Total Aluminum, Iron, & Manganese

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| TSS | Hardness, TSS for TMDL | Sample | Water | | | | N |

Description Total Suspended Solids

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Hardness, carbonate | mg/l | Total | Calculated | | | | | 2340 | |
| | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| UNAMM | Un-ionized Ammonia | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| UNIAMM1 | Ammonia, unionized | mg/l | Total | Calculated | | | | | 350.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| UNAMMONI | Unammonia | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.2(C) | |
| | Ammonia, unionized | mg/l | Total | Calculated | | | | | UNAMM1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| VISUALWP | Wap Visual | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Precipitation 48hr prior to monitoring event (choice list) | | | | | | | | | |
| | Precipitation 24hr prior to monitoring event (choice list) | | | | | | | | | |
| | Flow, severity (choice list) | | | | | | | | | |
| | Flow, stream stage (choice list) | | | | | | | | | |
| | RBP Predominant Surrounding Land Use | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | RBP Local Watershed Erosion | | | | | | | | | |
| | RBP Local Watershed NPS Pollution | | | | | | | | | |
| | RBP Water Odors | | | | | | | | | |
| | RBP Water Surface Oils | | | | | | | | | |
| | RBP Turbidity Code | | | | | | | | | |
| | RBP2, Sediment/Substrate, Odors | | | | | | | | | |
| | RBP2, Sediment/Substrate, Oils | | | | | | | | | |
| | RBP2, Sediment/Substrate, Deposits | | | | | | | | | |
| | Precipitation during activity (choice list) | | | | | | | | | |
| | Algae, substrate rock/bank cover (choice list) | | | | | | | | | |
| | Periphyton, substrate rock/bank encrustation (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| VOLORGN1 | Organic Volatiles | Sample | Water | | | | N |

Description Volatiles Organics Samples

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| VOL1 | Acrolein | ug/l | Total | Actual | | | | | 8260B | |
| VOL10 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 8260B | |
| VOL11 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 8260B | |
| VOL12 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 8260B | |
| VOL13 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 8260B | |

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Division of Water and Waste Management

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| VOL14 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 8260B | |
| VOL15 | Vinyl chloride | ug/l | Total | Actual | | | | | 8260B | |
| VOL16 | Toluene | ug/l | Total | Actual | | | | | 8260B | |
| VOL18 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 8260B | |
| VOL19 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 8260B | |
| VOL2 | Acrylonitrile | ug/l | Total | Actual | | | | | 8260B | |
| VOL20 | Ethylbenzene | ug/l | Total | Actual | | | | | 8260B | |
| VOL21 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | 8260B | |
| VOL22 | Dichloromethane | ug/l | Total | Actual | | | | | 8260B | |
| VOL23 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 8260B | |
| VOL24 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 8260B | |
| VOL3 | Benzene | ug/l | Total | Actual | | | | | 8260B | |
| VOL4 | Bromoform | ug/l | Total | Actual | | | | | 8260B | |
| VOL5 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 8260B | |
| VOL6 | Chlorobenzene | ug/l | Total | Actual | | | | | 8260B | |
| VOL7 | Chloroethane | ug/l | Total | Actual | | | | | 8260B | |
| VOL8 | Chloroform | ug/l | Total | Actual | | | | | 8260B | |
| VOL9 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 8260B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WELL01 | Well Data | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 2 | Specific conductance | mho/cm | | Actual | | | | | 2510 | |
| 3 | Depth, data-logger (non-ported) | ft | | Actual | | | | | | |

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Division of Water and Waste Management

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4 | Temperature, water | deg F | | Actual | | | | | 2550 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------------|--|--------|--------|-----------|--------------|---------|
| WILD LIFE | Wildlife Observations | Field Msr/Obs | Other | | | | N |
| Description | | Wildlife seen in the waters of the reach in question, and surrounding area of reach. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | General Observation (text) | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| WVHAB01 | WVDEP Habitat | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|---------|-------------------------------|---|
| WVHAB01 | Benthic Macroinvert Substrate | |
| WVHAB02 | Trash Index | |
| WVHAB03 | Remoteness Rating | |
| WVHAB04 | Riffle Frequency | |
| WVHAB05 | Width Un. Vegetative Left | Width of Undisturbed Vegetative Zone - Left Bank |
| WVHAB06 | Width Un. Vegetative Right | Width of Undisturbed Vegetative Zone - Right Bank |
| WVHAB07 | RBP Velocity/Depth Regime | |
| WVHAB08 | Reach Type | Type of Reach (Riffle/Run, Glide/Pool, TMDL) |
| WVHAB09 | RBP Notes | Notes concerning RBP scores |
| WVHAB10 | Embeddedness | |
| WVHAB11 | RBP Frequency of Ripples | |

Characteristic Group Details

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211WVOWR Division of Water and Waste Management

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| WVHAB02 | WV DEP Habitat No 2 | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|---------|-------------------------------|-------------|
| WVHAB01 | RBP Velocity Depth Regimes | |
| WVHAB02 | RBP Riffle Frequency | |
| WVHAB03 | Benthic Macroinvert Substrate | |
| WVHAB04 | Trash Index | |
| WVHAB05 | Remoteness Rating | |
| WVHAB06 | Reach Type | |
| WVHAB07 | RBP Notes | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WVWILD | Wildlife | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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21AKBCH

Alaska Department of Environmental Conservation

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| AK-PATHO | bacterial concentration | Sample | Water | | | | N |

Characteristic Group Details

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21ALBCH

Alabama Department of Environmental Management

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| ADEM-002 | Field Msr/Obs | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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21AQ

Commonwealth Northern Mariana Islands

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| BEACH | beach | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |

Characteristic Group Details

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21CABCH

Calif State Water Resources Control Board

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| ENTERO | enterococcus | Sample | Water | | | | N |
| FECAL | fecal coliforms | Sample | Water | | | | N |
| TOTAL | total coliforms | Sample | Water | | | | N |

Characteristic Group Details

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21CAOCSD

Orange County Sanitation District California

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|-----------------|----------------------------|-------------------------------|---------|
| CG-001 | Benthic Infauna | Sample | Water | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| CG-002 | Sediment Chemistry | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0021 | Anthracene | ml/l | Total | Actual | | | | | SED02 REV. B | LPROC001 |
| 00210 | Perylene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002100 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002101 | Trichloroethane, 1,1,2- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002102 | Dichloroethane, 1,1- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002103 | Trimethylbenzene, 1,2,4- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002104 | Dichloroethane, 1,2- | ug/m2 | Total | Actual | | | | | FISH01 REV. C | |
| 002105 | Dichloropropane, 1,2- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002106 | Dichloropropene, 1,2- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002107 | Diphenylhydrazine, 1,2- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002108 | Dichloropropane, 1,3- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002109 | Methylnaphthalene, 1- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00211 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002110 | Methylphenanthrene, 1- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002111 | bis(2-chloroethyl) ether | ug/kg | Total | Actual | | | | | | |
| 002112 | Trichlorophenol, 2,4,5- | ug/kg | Total | Actual | | | | | | |
| 002113 | 2,4,6-Trichlorophenol (TCPH) | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002114 | 2,4-Dichlorophenol | ug/kg | Total | Actual | | | | | | |

Characteristic Group Details

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21CAOCSD

Orange County Sanitation District California

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002115 | 2,4-Dimethylphenol | ug/kg | Total | Actual | | | | | | |
| 002116 | 2,4-Dinitrotoluene | ug/kg | Total | Actual | | | | | | |
| 002117 | Dimethylnaphthalene, 2,6- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002118 | 2,6-Dinitrotoluene | ug/kg | Total | Actual | | | | | | |
| 002119 | Chlorophenol-2 | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00212 | Pyrene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002120 | Dichlorobenzidine, 3,3'- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002121 | p-Nitrophenol | ug/kg | Total | Actual | | | | | | |
| 002122 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002123 | Chlorophenyl-4 phenyl ether | ug/kg | Total | Actual | | | | | | |
| 002124 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002125 | Cyanide | mg/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002126 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002127 | DDD, 2,4'- ***retired*** (use o,p'-DDD) | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002128 | DDD, p,p'- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002129 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00213 | Aluminum | mg/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002130 | DDE, 2,4'- ***retired*** (Use o,p'-DDE) | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002131 | DDE, p,p'- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002132 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002133 | DDT, p,p'- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002134 | DDT,o,p'- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002135 | Dibenzofuran | ug/kg | Total | Actual | | | | | | |
| 002136 | Dibenzothiophene | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002137 | Dibenzothiophenes, 1- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002138 | Dibromodichloromethane | ug/kg | Total | Actual | | | | | | |
| 002139 | Dibutyl phthalate | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00214 | Antimony | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002140 | Dichlorobenzene ***retired*** (use Dichlorobenzene isomers) | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002141 | Dichloromethane | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002142 | Diethyl phthalate | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002143 | Dimethyl phthalate | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002144 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | SED01 REV. A | |
| 002145 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | SED01 REV. A | |
| 002146 | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | | |
| 002147 | Endrin Aldehyde | ug/kg | Total | Actual | | | | | | |
| 002148 | Ethylbenzene | ug/kg | Total | Actual | | | | | | |
| 002149 | Ethylene chlorohydrin | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00215 | Arsenic | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002150 | Fluoranthenes + Pyrenes Mix, unspecified | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002151 | Hexachlorobenzene | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002152 | Hexachlorobutadiene | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002153 | Hexachlorocyclohexane (mixture) | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002154 | Hexachlorocyclopentadiene | ug/kg | Total | Actual | | | | | | |
| 002155 | Hexachloroethane | ug/kg | Total | Actual | | | | | | |
| 002156 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002157 | Isophorone | ug/kg | Total | Actual | | | | | | |
| 002158 | Methyl bromide | ug/kg | Total | Actual | | | | | | |
| 002159 | Methyl chloride | ug/kg | Total | Actual | | | | | | |
| 00216 | Beryllium | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002160 | Naphthalenes, C1-C4 | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002161 | Nitrophenols (mixed isomers) | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002162 | Oil and Grease | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002163 | Pcb-110 | ug/kg | Total | Actual | | | | | | |
| 002164 | Pcb-119 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002165 | Pcb-153 | ug/kg | Total | Actual | | | | | | |
| 002166 | Pcb-170 | ug/kg | Total | Actual | | | | | | |
| 002167 | Pcb-187 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002168 | Pcb-189 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002169 | Pcb-195 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00217 | Cadmium | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002170 | PCB-028 | ug/kg | Total | Actual | | | | | | |
| 002171 | PCB-042 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002172 | PCB-066 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002173 | PCB-070 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002174 | PCB- 077 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002175 | PCB-008 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002176 | PCB-081 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002177 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002178 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002179 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00218 | Chromium | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002180 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002181 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002182 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002183 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002184 | Pentachloronaphthalene | ug/kg | Total | Actual | | | | | | |
| 002185 | Phenanthrene + Anthracene (C1-C4) Mix, unspecified | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 002186 | Phenol | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002187 | Sulfide | ug/kg | Total | Actual | | | | | | |
| 002188 | Tetrachloroethane | ug/kg | Total | Actual | | | | | | |
| 002189 | Toluene | ug/kg | Total | Actual | | | | | | |
| 00219 | Copper | mg/kg | Total | Actual | | | | | 1638 | LPROC001 |
| 002190 | Toxaphene | ug/kg | Total | Actual | | | | | | |
| 002191 | Trichloroethane | ug/kg | Total | Actual | | | | | | |
| 002192 | Vinyl chloride | ug/kg | Total | Actual | | | | | | |
| 002193 | Solids, Volatile | mg/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002194 | bis(2-ethylhexyl) phthalate (DEHP) | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002195 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002196 | Nitrosodimethylamine, n- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002197 | n-Nitrosodiphenylamine | ug/kg | Total | Actual | | | | | | |
| 002198 | n-Nitrosodipropylamine | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002199 | nitro-Benzene | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 0022 | Biphenyl | mg/kg | Total | Actual | | | | | SED02 REV. B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00220 | Iron | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002200 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002201 | trans-1,3-Dichloropropene | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 002202 | Nonachlor, trans- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 002203 | 1-Phenyldodecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002204 | 1-Phenylnonane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002205 | 1-Phenylpentadecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002206 | 2-Phenyldecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002207 | 2-Phenyldodecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002208 | 2-Phenyltetradecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002209 | 2-Phenyltridecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 00221 | Lead | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002210 | 2-Phenylundecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002211 | 3-Phenyldecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002212 | 3-Phenyldodecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002213 | 3-Phenyltetradecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002214 | 3-Phenyltridecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002215 | 3-Phenylundecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002216 | 4-Phenyldecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002217 | 4-Phenyldodecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002218 | 4-Phenyltetradecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002219 | 4-Phenyltridecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 00222 | Manganese | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 002220 | 4-Phenylundecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002221 | 5-Phenyldecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002222 | 5-Phenyldodecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |

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|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 002223 | 5-Phenyltetradecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002224 | 5-Phenyltridecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002225 | 5-Phenylundecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002226 | 6-Phenylododecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002227 | 6-Phenyltetradecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002228 | 6-Phenylundecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002229 | 7-Phenyltetradecane | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 00223 | Mercury | mg/kg | Total | Actual | | | | | 245.1A | |
| 002230 | 7-Phenyltetradecane + 6-Phenyltridecane mix | mg/kg | Total | Actual | | | | | SED02 REV. B | |
| 002231 | Carbon, Total Organic (Toc) | % | Total | Actual | | | | | SEDIMENT CHEM | |
| 00224 | Nickel | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 00225 | Selenium | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 00226 | Silver | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 00227 | Thallium | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 00228 | Tin | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 00229 | Zinc | mg/kg | Total | Actual | | | | | | |
| 0023 | Dieldrin | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00230 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00231 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | | |
| 00232 | Aldrin | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00234 | Pcb-183 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00235 | Pcb-194 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00237 | Pcb-201 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00238 | Pcb-206 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00239 | Pcb-209 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |

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|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0024 | Endrin | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00241 | PCB-018 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00244 | PCB-044 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00245 | PCB-049 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00246 | PCB-052 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00249 | PCB-074 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 0025 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00251 | PCB-087 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00252 | PCB-099 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00253 | Pcb-101 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00254 | Pcb-105 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00255 | Pcb-118 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00256 | Pcb-126 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00257 | Pcb-128 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00258 | Pcb-138 | ug/kg | Total | Actual | | | | | | |
| 00259 | Pcb-149 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 0026 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00260 | Pcb-151 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00262 | Pcb-156 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00263 | Pcb-158 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00264 | Pcb-167 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00265 | Pcb-169 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00267 | Pcb-177 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00268 | Pcb-180 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00269 | Acenaphthene | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 0027 | Heptachlor | ug/kg | Total | Actual | | | | | FISH01 REV. C | |

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|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00270 | Acenaphthylene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00271 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | | |
| 00272 | 2,3,6-Trichlorophlorophenol | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00273 | 2-Chloroethyl vinyl ether | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00274 | 4,6-Dichloro-2-methylphenol | ug/kg | Total | Actual | | | | | | |
| 00275 | 4-Chloro-3-methylphenol | ug/kg | Total | Actual | | | | | | |
| 00276 | Acid Volatile Sulfides (AVS) | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00277 | Acrolein | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00278 | Acrylonitrile | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00279 | Benzene | ug/kg | Total | Actual | | | | | | |
| 0028 | Mirex | ug/kg | Total | Actual | | | | | | |
| 00280 | Benzydine | ug/kg | Total | Actual | | | | | | |
| 00281 | Benzo(e)pyrene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00282 | Benzo[a]anthracene | ug/kg | Total | Actual | | | | | | |
| 00283 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00284 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00285 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00286 | Biphenyl | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00287 | bis(n-octyl) Phthalate | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00288 | Bis(2-Chloroisopropyl) ether | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00289 | Bromoform | ug/kg | Total | Actual | | | | | | |
| 0029 | Naphthalene | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 00290 | Bromophenyl-4 phenyl ether | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |

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|--------|-------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00291 | Butyl benzyl phthalate | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00292 | Carbazole | ug/kg | Total | Actual | | | | | | |
| 00293 | Carbon tetrachloride | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00294 | Chlordane | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00295 | Chlorobenzene | ug/kg | Total | Actual | | | | | | |
| 00296 | Chloroform | ug/kg | Total | Actual | | | | | | |
| 00297 | Chloronaphthalene-2 | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 00298 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | | | | | |
| 00299 | Trichloroethane, 1,1,1- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| CG-003 | Water Quality | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0031 | Depth | m | | Actual | | | | | | |
| 00310 | Dissolved oxygen saturation | mg/l | | Actual | | | | | | |
| 00311 | Ammonia uptake | mg/l | | Actual | | | | | WQ | |
| 00312 | Fecal Coliform | MPN | | Actual | | | | | BACTERIA | |
| 00313 | Enterococcus Group Bacteria | MPN | | Actual | | | | | | |
| 00314 | Chlorophyll a (probe) | ug/l | | Actual | | | | | | |
| 00315 | Escherichia coli | MPN | | Actual | | | | | | |
| 00316 | Total Coliform | MPN | | Actual | | | | | TOTAL COLIFORM | |
| 00317 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | WQ | |
| 00318 | Oil and Grease | g/ml | Total | Actual | | | | | WQ | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00319 | Solids, Total Suspended (TSS) | g/ml | | Actual | | | | | 160.2_M | |
| 0032 | Temperature, water | deg C | | Actual | | | | | | |
| 00320 | Light attenuation coefficient | None | | Actual | | | | | WQ | |
| 00321 | UV Absorption, relative conc. of organic constituents | ug/l | | Actual | | | | | WQ | |
| 0033 | Specific conductance | mho/cm | | Actual | | | | | | |
| 0034 | pH | None | | Actual | | | | | 150.1 | |
| 0035 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 0036 | Light Transmissivity | % | | Actual | | | | | WQ | |
| 0037 | Salinity | ppt | | Actual | | | | | | |
| 0038 | Density | kg/m3 | | Actual | | | | | WQ | |
| 0039 | Light Photosynthetic Active Radiation At Depth (PAR) | uE/m2/sec | | Actual | | | | | PAR | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|----------|--------|-----------|--------------|---------|
| CG-004 | Sediment Grain Size | Field Msr/Obs | Sediment | | | | Y |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|------------|-------------|-------------------------------|---------|
| CG-005 | Trawls | Sample | Water | Individual | Fish/Nekton | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0051 | Agonopsis sterletus | count | | Actual | | | | | | |
| 00510 | Caulolatilus princeps | count | | Actual | | | | | | |
| 005100 | Sebastes flavidus | count | | Actual | | | | | | |
| 005101 | Sebastes goodei | count | | Actual | | | | | | |
| 005102 | Sebastes hopkinsi | count | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 005103 | Sebastes jordani | count | | Actual | | | | | | |
| 005104 | Sebastes levis | count | | Actual | | | | | | |
| 005105 | Sebastes macdonaldi | count | | Actual | | | | | | |
| 005106 | Sebastes miniatus | count | | Actual | | | | | | |
| 005107 | Sebastes mystinus | count | | Actual | | | | | | |
| 005108 | Sebastes paucispinis | count | | Actual | | | | | | |
| 005109 | Sebastes pinniger | count | | Actual | | | | | | |
| 00511 | Cephaloscyllium ventriosum | count | | Actual | | | | | | |
| 005110 | Sebastes rastrelliger | count | | Actual | | | | | | |
| 005111 | Sebastes rosaceus | count | | Actual | | | | | | |
| 005112 | Sebastes rosenblatti | count | | Actual | | | | | | |
| 005113 | Sebastes rubrivinctus | count | | Actual | | | | | | |
| 005114 | Sebastes saxicola | count | | Actual | | | | | | |
| 005115 | Sebastes semicinctus | count | | Actual | | | | | | |
| 005116 | Sebastes serranoides | count | | Actual | | | | | | |
| 005117 | Sebastes serriceps | count | | Actual | | | | | | |
| 005118 | Sebastes umbrosus | count | | Actual | | | | | | |
| 005119 | Sebastolobus alascanus | count | | Actual | | | | | | |
| 00512 | Cheilotrema saturnum | count | | Actual | | | | | | |
| 005120 | Seriphus politus | count | | Actual | | | | | | |
| 005121 | Squalus acanthias | count | | Actual | | | | | | |
| 005122 | Stelleroidea | count | | Actual | | | | | | |
| 005123 | Stereolepis gigas | count | | Actual | | | | | | |
| 005124 | Stylasterias forreri | count | | Actual | | | | | | |
| 005125 | Symphurus atricauda | count | | Actual | | | | | | |
| 005126 | Syngnathus | count | | Actual | | | | | | |
| 005127 | Syngnathus californiensis | count | | Actual | | | | | | |

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|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 005128 | Syngnathus exilis | count | | Actual | | | | | | |
| 005129 | Syngnathus leptorhynchus | count | | Actual | | | | | | |
| 00513 | Chilara taylori | count | | Actual | | | | | | |
| 005130 | Synodus lucioiceps | count | | Actual | | | | | | |
| 005131 | Torpedo californica | count | | Actual | | | | | | |
| 005132 | Trachurus symmetricus | count | | Actual | | | | | | |
| 005133 | Urolophus halleri | count | | Actual | | | | | | |
| 005134 | Xeneretmus latifrons | count | | Actual | | | | | | |
| 005135 | Xeneretmus triacanthus | count | | Actual | | | | | | |
| 005136 | Xystreureys liolepis | count | | Actual | | | | | | |
| 005137 | Zalembeius rosaceus | count | | Actual | | | | | | |
| 005138 | Zaniolepis frenata | count | | Actual | | | | | | |
| 005139 | Zaniolepis latipinnis | count | | Actual | | | | | | |
| 00514 | Chitonotus pugetensis | count | | Actual | | | | | | |
| 005140 | Errex zachirus | count | | Actual | | | | | | |
| 005141 | Pleuronectes vetulus | count | | Actual | | | | | | |
| 00515 | Chordata | count | | Actual | | | | | | |
| 00516 | Chromis punctipinnis | count | | Actual | | | | | | |
| 00517 | Citharichthys | count | | Actual | | | | | | |
| 00518 | Citharichthys fragilis | count | | Actual | | | | | | |
| 00519 | Citharichthys sordidus | count | | Actual | | | | | | |
| 0052 | Amphistichus argenteus | count | | Actual | | | | | | |
| 00520 | Citharichthys stigmaeus | count | | Actual | | | | | | |
| 00521 | Citharichthys xanthostigma | count | | Actual | | | | | | |
| 00522 | Coryphopterus nicholsi | count | | Actual | | | | | | |
| 00523 | Cottidae | count | | Actual | | | | | | |
| 00524 | Cymatogaster aggregata | count | | Actual | | | | | | |

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|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00525 | Embiotoca jacksoni | count | | Actual | | | | | | |
| 00526 | Engraulis mordax | count | | Actual | | | | | | |
| 00527 | Eopsetta jordani | count | | Actual | | | | | | |
| 00528 | Eptatretus deani | count | | Actual | | | | | | |
| 00529 | Eptatretus stouti | count | | Actual | | | | | | |
| 0053 | Anarrhichthys ocellatus | count | | Actual | | | | | | |
| 00530 | Etrumeus teres | count | | Actual | | | | | | |
| 00531 | Genyonemus lineatus | count | | Actual | | | | | | |
| 00532 | Gobiidae | count | | Actual | | | | | | |
| 00533 | Hippoglossina stomata | count | | Actual | | | | | | |
| 00534 | Hydrolagus colliei | count | | Actual | | | | | | |
| 00535 | Hyperprosopon argenteum | count | | Actual | | | | | | |
| 00536 | Hypsopsetta guttulata | count | | Actual | | | | | | |
| 00537 | Icelinus cavifrons | count | | Actual | | | | | | |
| 00538 | Icelinus quadriseriatus | count | | Actual | | | | | | |
| 00539 | Icelinus tenuis | count | | Actual | | | | | | |
| 0054 | Anchoa compressa | count | | Actual | | | | | | |
| 00540 | Icichthys lockingtoni | count | | Actual | | | | | | |
| 00541 | Kathetostoma averruncus | count | | Actual | | | | | | |
| 00542 | Lepidogobius lepidus | count | | Actual | | | | | | |
| 00543 | Leptocottus armatus | count | | Actual | | | | | | |
| 00544 | Lycodopsis pacifica | count | | Actual | | | | | | |
| 00545 | Lyconema barbatum | count | | Actual | | | | | | |
| 00546 | Medialuna californiensis | count | | Actual | | | | | | |
| 00547 | Menticirrhus undulatus | count | | Actual | | | | | | |
| 00548 | Merluccius productus | count | | Actual | | | | | | |
| 00549 | Microstomus pacificus | count | | Actual | | | | | | |

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|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0055 | Anoplopoma fimbria | count | | Actual | | | | | | |
| 00550 | Mustelus henlei | count | | Actual | | | | | | |
| 00551 | Myliobatis californica | count | | Actual | | | | | | |
| 00552 | Neoclinus blanchardi | count | | Actual | | | | | | |
| 00553 | Neocrangon zacaе | count | | Actual | | | | | | |
| 00554 | Odontopyxis trispinosa | count | | Actual | | | | | | |
| 00555 | Ophichthus zophochir | count | | Actual | | | | | | |
| 00556 | Ophidion scrippsae | count | | Actual | | | | | | |
| 00557 | Ophiodon elongatus | count | | Actual | | | | | | |
| 00558 | Oxylebius pictus | count | | Actual | | | | | | |
| 00559 | Paralabrax clathratus | count | | Actual | | | | | | |
| 0056 | Argentina sialis | count | | Actual | | | | | | |
| 00560 | Paralabrax maculatofasciatus | count | | Actual | | | | | | |
| 00561 | Paralabrax nebulifer | count | | Actual | | | | | | |
| 00562 | Paralichthys californicus | count | | Actual | | | | | | |
| 00563 | Peprilus simillimus | count | | Actual | | | | | | |
| 00564 | Phanerodon atripes | count | | Actual | | | | | | |
| 00565 | Phanerodon furcatus | count | | Actual | | | | | | |
| 00566 | Physiculus rastrelliger | count | | Actual | | | | | | |
| 00567 | Platyrhinoidis triseriata | count | | Actual | | | | | | |
| 00568 | Plectobranchnus evides | count | | Actual | | | | | | |
| 00569 | Pleuronichthys coenosus | count | | Actual | | | | | | |
| 0057 | Arteidius notospilotus | count | | Actual | | | | | | |
| 00570 | Pleuronichthys decurrens | count | | Actual | | | | | | |
| 00571 | Pleuronichthys | count | | Actual | | | | | | |
| 00572 | Pleuronichthys ritteri | count | | Actual | | | | | | |
| 00573 | Pleuronichthys verticalis | count | | Actual | | | | | | |

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|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00574 | Porichthys myriaster | count | | Actual | | | | | | |
| 00575 | Porichthys notatus | count | | Actual | | | | | | |
| 00576 | Poroclinus rothroeki | count | | Actual | | | | | | |
| 00577 | Radulinus asprellus | count | | Actual | | | | | | |
| 00578 | Raja binoculata | count | | Actual | | | | | | |
| 00579 | Raja inornata | count | | Actual | | | | | | |
| 0058 | Atherinopsis californiensis | count | | Actual | | | | | | |
| 00580 | Rathbunella | count | | Actual | | | | | | |
| 00581 | Rathbunella alleni | count | | Actual | | | | | | |
| 00582 | Rathbunella hypoplecta | count | | Actual | | | | | | |
| 00583 | Rhacochilus toxotes | count | | Actual | | | | | | |
| 00584 | Rhacochilus vacca | count | | Actual | | | | | | |
| 00585 | Rhinobatos productus | count | | Actual | | | | | | |
| 00586 | Sarda chiliensis | count | | Actual | | | | | | |
| 00587 | Sardinops sagax | count | | Actual | | | | | | |
| 00588 | Scomber japonicus | count | | Actual | | | | | | |
| 00589 | Scorpaena guttata | count | | Actual | | | | | | |
| 0059 | Bathymasteridae | count | | Actual | | | | | | |
| 00590 | Scorpaenichthys marmoratus | count | | Actual | | | | | | |
| 00591 | Sebastes | count | | Actual | | | | | | |
| 00592 | Sebastes auriculatus | count | | Actual | | | | | | |
| 00593 | Sebastes caurinus | count | | Actual | | | | | | |
| 00594 | Sebastes chlorostictus | count | | Actual | | | | | | |
| 00595 | Sebastes crameri | count | | Actual | | | | | | |
| 00596 | Sebastes dalli | count | | Actual | | | | | | |
| 00597 | Sebastes diploproa | count | | Actual | | | | | | |
| 00598 | Sebastes elongatus | count | | Actual | | | | | | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00599 | Sebastes eos | count | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|--------|-----------|--------------|---------|
| CG-006 | Bioaccumulation | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0061 | 2,3,6-Trichlorophlorophenol | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00610 | Aldrin | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 006100 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006101 | Trichloroethane, 1,1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006102 | Methylnaphthalene, 1- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006103 | Methylphenanthrene, 1- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006104 | Trichlorophenol, 2,4,5- | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006105 | 2,4,6-Trichlorophenol (TCPh) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006106 | p-Nitrophenol | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006107 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006108 | Iron | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006109 | Isophorone | ug/kg | | Actual | | Wet | | | | |
| 00611 | Aluminum | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006110 | Lead | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006111 | Manganese | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006112 | Mercury | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006113 | Methyl bromide | ug/kg | | Actual | | Wet | | | | |
| 006114 | Methyl chloride | ug/kg | | Actual | | Wet | | | | |

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|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006115 | Mirex | ug/kg | | Actual | | Wet | | | | |
| 006116 | Naphthalene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006117 | Naphthalenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006118 | Nickel | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006119 | Nitrophenols (mixed isomers) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00612 | Anthracene | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 006120 | Oil and Grease | mg/kg | Total | Actual | | Wet | | | 1652 | |
| 006121 | Pcb-101 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006122 | Pcb-105 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006123 | Pcb-110 | ug/kg | Total | Actual | | Wet | | | | |
| 006124 | Pcb-118 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006125 | Pcb-119 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006126 | Pcb-126 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006127 | Pcb-128 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006128 | Pcb-138 | ug/kg | Total | Actual | | | | | | |
| 006129 | Pcb-149 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00613 | Antimony | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006130 | Pcb-151 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006131 | Pcb-153 | ug/kg | Total | Actual | | Wet | | | | |
| 006132 | Pcb-158 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006133 | Pcb-167 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006134 | Pcb-169 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006135 | Pcb-170 | ug/kg | Total | Actual | | Wet | | | | |
| 006136 | Pcb-177 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006137 | PCB-018 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006138 | Pcb-180 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006139 | Pcb-183 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00614 | Arsenic | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006140 | Pcb-187 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006141 | Pcb-189 | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 006142 | Pcb-194 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006143 | Pcb-195 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006144 | Pcb-201 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006145 | Pcb-206 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006146 | Pcb-209 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006147 | PCB-028 | ug/kg | Total | Actual | | Wet | | | | |
| 006148 | PCB-042 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006149 | PCB-044 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00615 | Benzene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006150 | PCB-049 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006151 | PCB-052 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006152 | PCB-066 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006153 | PCB-070 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006154 | PCB-074 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006155 | PCB- 077 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006156 | PCB-008 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006157 | PCB-081 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006158 | PCB-087 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006159 | PCB-099 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00616 | Benzidine | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006160 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006161 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006162 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |

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|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006163 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006164 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006165 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006166 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006167 | Pentachloronaphthalene | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006168 | Perylene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006169 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00617 | Benzo[a]pyrene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006170 | Phenanthrene + Anthracene (C1-C4) Mix, unspecified | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006171 | Phenol | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006172 | Pyrene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006173 | Selenium | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006174 | Silver | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006175 | Sulfide | mg/kg | | Actual | | Wet | | | | |
| 006176 | Tetrachloroethane | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006177 | Thallium | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006178 | Tin | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006179 | Toluene | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00618 | Benzo(e)pyrene | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 006180 | Toxaphene | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006181 | Trichloroethane | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006182 | Trimethyl benzene | ug/kg | Total | Actual | | Wet | | | TOTAL | |

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|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | | | | | | | | | COLIFORM | |
| 006183 | Vinyl chloride | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006184 | Solids, Volatile | mg/kg | | Actual | | Wet | | | FISH01 REV. C | |
| 006185 | Zinc | mg/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006186 | Nitrosodimethylamine, n- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006187 | n-Nitrosodiphenylamine | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006188 | n-Nitrosodipropylamine | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006189 | nitro-Benzene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00619 | Benzo[a]anthracene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006190 | Nonachlor, trans- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006191 | BHC-alpha | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 006192 | BHC-beta | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006193 | BHC-delta | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006194 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006195 | Methoxychlor | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006196 | Pcb-156 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006197 | Pcb-157 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006198 | Nonachlor, cis- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006199 | Chlordane, gamma | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 0062 | 2-Chloroethyl vinyl ether | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 00620 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 006201 | Chlordane, cis | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006202 | Acetone | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |

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|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006203 | Hexanone, 2- | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006204 | Styrene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006205 | Vinyl acetate | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006206 | Lipids (unspecified mix) | % | | Actual | | Wet | | | FISH01 REV. C | |
| 006207 | Methyl isobutyl ketone | ug/kg | | Actual | | Wet | | | FISH01 REV. C | |
| 006208 | Xylenes mix of m + o + p | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006209 | Chloroethane | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00621 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 006210 | Carbon disulfide | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006213 | Methyl ethyl ketone | ug/kg | | Actual | | Wet | | | SED01 REV. A | |
| 006214 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006215 | Bromochloroiodo-methane | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006216 | Weight | % | | Actual | | Dry | | | | |
| 006217 | Weight | g | | Actual | | Wet | | | | |
| 006218 | Hexachlorocyclohexane | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006219 | BHC-alpha | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00622 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 006220 | BHC-beta | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006221 | BHC-delta | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006222 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006223 | Trichlorobenzene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |

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|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006224 | Methylnaphthalene, 2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006225 | Cresol, o- | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006226 | Nitroaniline, 2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006227 | Nitrophenol, 2- | ug/kg | Total | Actual | | | | | FISH01 REV. C | |
| 006228 | 2,4-Dichlorophenol | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006229 | Pentachlorobenzene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00623 | Beryllium | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006230 | Pentachlorophenol (PCP) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006231 | 1,4-Dichlorobenzene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006232 | Cresol | ug/kg | | Actual | | | | | SEDIMENT CHEM | |
| 006233 | p-Nitroaniline | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006234 | Dinitro-o-cresol | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006235 | bis(2-chloroethoxy) methane | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006236 | Benzoic acid | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006237 | Benzyl alcohol | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006238 | Chloroaniline, 4- | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006239 | nitro-Benzene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00624 | Biphenyl | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 006240 | n-octyl n-decyl phthalate | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006241 | Dichloropropene, 1,3- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006242 | Pcb-200 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006243 | PCB-037 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |

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|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006244 | Pcb-168 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006245 | Pcb-114 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006246 | Pcb-123 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006247 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006248 | 1,1-Dichloroethylene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006249 | Carbon, Total Organic (Toc) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00625 | bis(n-octyl) Phthalate | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006250 | Acid Volatile Sulfides (AVS) | mg/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006251 | Dimethylnaphthalene, 2,6- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006252 | Trimethylnaphthalene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006253 | Fluorobiphenyl, 2- | ug/kg | Total | Actual | | | | | SED01 REV. A | |
| 006254 | Nonachlor, trans- | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 006255 | Pcb-153/168 | ug/kg | Total | Actual | | | | | SED02 REV. B | |
| 006256 | Molybdenum | mg/kg | Total | Actual | | | | | 200.8 REV. B | |
| 006257 | Hexanone, 2- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 006258 | Nitroaniline, 2- | ug/kg | Total | Actual | | | | | SED01 REV. A | |
| 006259 | p-Nitroaniline | ug/kg | Total | Actual | | | | | SED01 REV. A | |
| 00626 | Bis(2-Chloroisopropyl) ether | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006260 | Chloroaniline, 4- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 006261 | Aniline | ug/kg | Total | Actual | | | | | SED01 REV. A | |
| 006262 | Cresol, p- | ug/kg | Total | Actual | | | | | SEDIMENT CHEM | |
| 006263 | Dodecane | ng/g | Total | Actual | | | | | LABS | |
| 006264 | Tridecane | ng/g | Total | Actual | | | | | LABS | |

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|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006265 | 1-Phenyldecane | ng/g | Total | Actual | | | | | LABS | |
| 006266 | 1-Phenyldodecane | ng/g | Total | Actual | | | | | LABS | |
| 006267 | 1-Phenylpentadecane | ng/g | Total | Actual | | | | | LABS | |
| 006268 | 2-Phenyldecane | ng/g | Total | Actual | | | | | LABS | |
| 006269 | 2-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 00627 | Bromoform | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 006270 | 2-Phenyltridecane | ng/g | Total | Actual | | | | | LABS | |
| 006271 | 2-Phenylundecane | ng/g | Total | Actual | | | | | LABS | |
| 006272 | 5,6-Dibutyl-5,6-bis(4-tert-butylphenyl)decane | ng/g | Total | Actual | | | | | LABS | |
| 006273 | 3-Phenyldodecane | mg/g | Total | Actual | | | | | LABS | |
| 006274 | 3-Phenylundecane | mg/g | Total | Actual | | | | | LABS | |
| 006275 | 4-Phenyldecane | ng/g | Total | Actual | | | | | LABS | |
| 006276 | 4-Phenyldodecane | ng/g | Total | Actual | | | | | LABS | |
| 006277 | 4-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 006278 | 5-Phenyldecane | ng/g | Total | Actual | | | | | LABS | |
| 006279 | 5-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 00628 | Bromophenyl-4 phenyl ether | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 006280 | 6-Phenyldodecane | ng/l | Total | Actual | | | | | LABS | |
| 006281 | 1-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 006282 | 7-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 006283 | 7-Phenyltetradecane + 6-Phenyltridecane mix | ng/g | Total | Actual | | | | | LABS | |
| 006284 | Undecane | ng/g | Total | Actual | | | | | LABS | |
| 006285 | 2-Phenyldodecane | ng/g | Total | Actual | | | | | LABS | |
| 006286 | 1-Phenyldecane | ng/g | Total | Actual | | | | | LABS | |

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|--------|-----------------------------|-------|-----------------|------------|----------------|----------------------------|----------------|------------|---------------------|----------------------------|
| 006287 | 3-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 006288 | 3-Phenyltridecane | ng/g | Total | Actual | | | | | LABS | |
| 006289 | 4-Phenyltridecane | ng/g | Total | Actual | | | | | LABS | |
| 00629 | Butyl benzyl phthalate | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006290 | 4-Phenylundecane | ng/g | Total | Actual | | | | | LABS | |
| 006291 | 5-Phenyldodecane | ng/g | Total | Actual | | | | | LABS | |
| 006292 | 5-Phenyltridecane | ng/g | Total | Actual | | | | | LABS | |
| 006293 | 5-Phenylundecane | ng/g | Total | Actual | | | | | LABS | |
| 006294 | 6-Phenyltetradecane | ng/g | Total | Actual | | | | | LABS | |
| 006295 | 6-Phenylundecane | ng/g | Total | Actual | | | | | LABS | |
| 006296 | 6-Phenyltridecane | ng/g | Total | Actual | | | | | LABS | |
| 006297 | 3-Phenyldecane | ng/g | Total | Actual | | | | | LABS | |
| 006298 | Substrate - clay | % | | Actual | | | | | SEDIMENT CHEM | |
| 006299 | Substrate - sand, coarse | % | | Actual | | | | | | |
| 0063 | 4,6-Dichloro-2-methylphenol | ug/kg | | Actual | | Wet | | | SED01 REV. A | |
| 00630 | Cadmium | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 006300 | Substrate - gravel | % | | Actual | | | | | | |
| 006301 | Substrate - sand | % | | Actual | | | | | | |
| 006302 | Substrate - sand, fine | % | | Actual | | | | | | |
| 006303 | Substrate - silt | % | | Actual | | | | | | |
| 006304 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | | Particle Size Basis | PHI -0.5 | | | |
| 006305 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | | Particle Size Basis | PHI -1.0 | | | |
| 006306 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |

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|--------|------------------------|-------|-----------------|------------|---------------------|--------------|----------------|------------|---------------------|----------------------------|
| 006307 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 0.0 | | SEDIMENT CHEM | |
| 006308 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 0.5 | | SEDIMENT CHEM | |
| 006309 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 1.0 | | SEDIMENT CHEM | |
| 00631 | Carbazole | ug/kg | | Actual | | Wet | PHI 1.5 | | SEDIMENT CHEM | |
| 006310 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 2.0 | | SEDIMENT CHEM | |
| 006311 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 2.5 | | SEDIMENT CHEM | |
| 006312 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 3.0 | | SEDIMENT CHEM | |
| 006313 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 3.5 | | SEDIMENT CHEM | |
| 006314 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 4.0 | | SEDIMENT CHEM | |
| 006315 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 5.0 | | SEDIMENT CHEM | |
| 006316 | Substrate - grain size | % | | Actual | Particle Size Basis | | PHI 6.0 | | SEDIMENT CHEM | |

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|--------|------------------------|-------|-----------------|------------|----------------------------|--------------|----------------|------------|---------------------|----------------------------|
| 006317 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | PHI 7.0 | | | |
| 006318 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | PHI 8.0 | | | |
| 006319 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | PHI 9.0 | | | |
| 00632 | Carbon tetrachloride | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 006320 | Substrate - grain size | % | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | PHI >9.0 | | | |
| 006321 | Weight | g | | Actual | | | | | | |
| | | | | | Particle Size Basis | | T | | | |
| 006322 | Substrate - grain size | None | | Calculated | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | DISPERSION | | | |
| 006323 | Substrate - grain size | None | | Calculated | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | SKEWNESS | | | |
| 006324 | Substrate - grain size | None | | Actual | | | | | SEDIMENT CHEM | |
| | | | | | Particle Size Basis | | PHI <9.0 | | | |
| 00633 | Chlordane | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00634 | Chlorobenzene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00635 | Chloroform | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00636 | Chloronaphthalene-2 | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00637 | Chlorophenol-2 | ug/kg | Total | Actual | | Wet | | | SEDIMENT | |

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|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|--------------------------|----------------------------|
| 00638 | Chlorophenyl-4 phenyl ether | ug/kg | | Actual | | Wet | | | CHEM SEDIMENT CHEM | |
| 00639 | Chromium | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 0064 | 4-Chloro-3-methylphenol | ug/kg | | Actual | | Wet | | | SED01 REV. A | |
| 00640 | Chrysenes C1-C4 | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 00642 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/kg | | Actual | | Wet | | | FISH01 REV. C | |
| 00643 | Copper | mg/kg | Total | Actual | | Wet | | | 200.8 REV. B | |
| 00644 | Cyanide | ug/kg | | Actual | | Wet | | | FISH01 REV. C | |
| 00645 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00646 | DDD, 2,4'- ***retired*** (use o,p'- DDD) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00647 | DDD, p,p'- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00648 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00649 | DDE, 2,4'- ***retired*** (Use o,p'- DDE) | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 0065 | Acenaphthene | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 00650 | DDE, p,p'- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00651 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00652 | DDT, 2,4'- ***retired*** (use o,p'- DDT) | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00653 | DDT, p,p'- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00654 | Dibenzo[a,h]anthracene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00655 | Dibenzofuran | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |

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|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00656 | Dibenzothiophene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00657 | Dibenzothiophenes, 1- | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00658 | Dibromodichloromethane | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00659 | Dibutyl phthalate | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 0066 | Acenaphthylene | ug/kg | Total | Actual | | Wet | | | SED02 REV. B | |
| 00660 | Dichlorobenzene ***retired*** (use Dichlorobenzene isomers) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00661 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 00662 | Dichlorobenzidine, 3,3'- | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00663 | bis(2-chloroethyl) ether | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00664 | Dichloroethane, 1,1- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00665 | Dichloroethane, 1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00666 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00667 | Dichloromethane | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00668 | Dichloropropane, 1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00669 | Dichloropropane, 1,3- | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 0067 | Acid Volatile Sulfides (AVS) | mg/kg | Total | Actual | | | | | FISH01 REV. C | |
| 00670 | Dichloropropene, 1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00671 | trans-1,3-Dichloropropene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00672 | Dieldrin | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00673 | Diethyl phthalate | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00674 | Dimethyl phthalate | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00675 | Dimethylnaphthalene, 2,6- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |

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|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00676 | 2,4-Dimethylphenol | ug/kg | | Actual | | Wet | | | SED01 REV. A | |
| 00677 | Dinitrophenol, 2,4- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00678 | 2,4-Dinitrotoluene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00679 | 2,6-Dinitrotoluene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 0068 | Acrolein | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 00680 | Diphenylhydrazine, 1,2- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00681 | bis(2-ethylhexyl) phthalate (DEHP) | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00682 | Endosulfan, alpha- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00683 | Endosulfan, beta- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00684 | Endosulfan Sulfate | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00685 | Endrin | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00686 | Endrin Aldehyde | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00687 | Ethylbenzene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00688 | Ethylene chlorohydrin | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00689 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 0069 | Acrylonitrile | ug/kg | Total | Actual | | Wet | | | SED01 REV. A | |
| 00690 | Fluoranthenes + Pyrenes Mix, unspecified | ng/g | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00691 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00692 | Heptachlor | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00693 | Heptachlor epoxide | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |

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|--------|---------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00694 | Hexachlorobenzene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00695 | Hexachlorobutadiene | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |
| 00696 | Hexachlorocyclohexane (mixture) | ug/kg | Total | Actual | | Wet | | | SEDIMENT CHEM | |
| 00697 | Hexachlorocyclopentadiene | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00698 | Hexachloroethane | ug/kg | | Actual | | Wet | | | SEDIMENT CHEM | |
| 00699 | Trichloroethane, 1,1,1- | ug/kg | Total | Actual | | Wet | | | FISH01 REV. C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| CG-007 | Benthic Infauna | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Acanthodoris rhodoceras | | count | Actual | | | | |
| 10 | Aglaophamus | | count | Actual | | | | |
| 100 | Boccardia | | count | Actual | | | | |
| 101 | Boccardia basilaria | | count | Actual | | | | |
| 102 | Boccardia pugettensis | | count | Actual | | | | |
| 103 | Boccardiella | | count | Actual | | | | |
| 104 | Bougainvillia | | count | Actual | | | | |
| 105 | Brada pluribranchiata | | count | Actual | | | | |
| 106 | Brada villosa | | count | Actual | | | | |
| 107 | Brisaster latifrons | | count | Actual | | | | |
| 108 | Brissopsis pacifica | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 109 | Bryozoa | | count | Actual | | | | |
| 11 | Aglaophamus verrilli | | count | Actual | | | | |
| 110 | Bugula | | count | Actual | | | | |
| 111 | Bugula neritina | | count | Actual | | | | |
| 112 | Byblis millsii | | count | Actual | | | | |
| 113 | Byblis veleronis | | count | Actual | | | | |
| 114 | Calanoida | | count | Actual | | | | |
| 115 | Calinaticina oldroydii | | count | Actual | | | | |
| 116 | Calliostoma turbinum | | count | Actual | | | | |
| 117 | Calyptrea fastigiata | | count | Actual | | | | |
| 118 | Campylaspis canaliculata | | count | Actual | | | | |
| 119 | Campylaspis rubromaculata | | count | Actual | | | | |
| 12 | Alcyonidium | | count | Actual | | | | |
| 120 | Capitella capitata | | count | Actual | | | | |
| 121 | Capitellidae | | count | Actual | | | | |
| 122 | Caprella californica | | count | Actual | | | | |
| 123 | Caprella mendax | | count | Actual | | | | |
| 124 | Caprella natalensis | | count | Actual | | | | |
| 125 | Carazziella | | count | Actual | | | | |
| 126 | Carinoma mutabilis | | count | Actual | | | | |
| 127 | Caulibugula californica | | count | Actual | | | | |
| 128 | Celleporina | | count | Actual | | | | |
| 129 | Cerapus tubularis | | count | Actual | | | | |
| 13 | Alienacanthomysis macropsis | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 130 | Cerebratulus | | count | Actual | | | | |
| 131 | Cerebratulus californiensis | | count | Actual | | | | |
| 132 | Ceriantharia | | count | Actual | | | | |
| 133 | Chaetodermatidae | | count | Actual | | | | |
| 134 | Chaetopteridae | | count | Actual | | | | |
| 135 | Chaetozone | | count | Actual | | | | |
| 136 | Chaetozone corona | | count | Actual | | | | |
| 137 | Chaetozone setosa | | count | Actual | | | | |
| 138 | Chiridota | | count | Actual | | | | |
| 139 | Chloeia pinnata | | count | Actual | | | | |
| 14 | Allocentrotus fragilis | | count | Actual | | | | |
| 140 | Chone | | count | Actual | | | | |
| 141 | Chone albocincta | | count | Actual | | | | |
| 142 | Chone minuta | | count | Actual | | | | |
| 143 | Chone mollis | | count | Actual | | | | |
| 144 | Chone veleronis | | count | Actual | | | | |
| 145 | Cirratulidae | | count | Actual | | | | |
| 146 | Cirratulus | | count | Actual | | | | |
| 147 | Cirratulus cirratus | | count | Actual | | | | |
| 148 | Cirriformia | | count | Actual | | | | |
| 149 | Cirrophorus branchiatus | | count | Actual | | | | |
| 15 | Alvania rosana | | count | Actual | | | | |
| 150 | Cladocarpus | | count | Actual | | | | |
| 151 | Clymenella | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 152 | Clymenella complanata | | count | Actual | | | | |
| 153 | Clymenura | | count | Actual | | | | |
| 154 | Clymenura gracilis | | count | Actual | | | | |
| 155 | Conopea galeata | | count | Actual | | | | |
| 156 | Cooperella subdiaphana | | count | Actual | | | | |
| 157 | Corymorpha | | count | Actual | | | | |
| 158 | Corynactis californica | | count | Actual | | | | |
| 159 | Cossura | | count | Actual | | | | |
| 16 | Amaeana occidentalis | | count | Actual | | | | |
| 160 | Cossura candida | | count | Actual | | | | |
| 161 | Crangonidae | | count | Actual | | | | |
| 162 | Crisia | | count | Actual | | | | |
| 163 | Cuspidaria parapodema | | count | Actual | | | | |
| 164 | Cyclocardia | | count | Actual | | | | |
| 165 | Cyclopoida | | count | Actual | | | | |
| 166 | Cyclostremella californica | | count | Actual | | | | |
| 167 | Cylichna diegensis | | count | Actual | | | | |
| 168 | Decamastus gracilis | | count | Actual | | | | |
| 169 | Dendronotus | | count | Actual | | | | |
| 17 | Ampelisca | | count | Actual | | | | |
| 170 | Deutella californica | | count | Actual | | | | |
| 171 | Diaphana californica | | count | Actual | | | | |
| 172 | Diastylis californica | | count | Actual | | | | |
| 173 | Diastylis pellucida | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 174 | Diopatra | | count | Actual | | | | |
| 175 | Diopatra ornata | | count | Actual | | | | |
| 176 | Diopatra splendidissima | | count | Actual | | | | |
| 177 | Diopatra tridentata | | count | Actual | | | | |
| 178 | Dorvillea | | count | Actual | | | | |
| 179 | Dorvilleidae | | count | Actual | | | | |
| 18 | Ampelisca agassizi | | count | Actual | | | | |
| 180 | Dougalopus amphacantha | | count | Actual | | | | |
| 181 | Drilonereis | | count | Actual | | | | |
| 182 | Drilonereis falcata | | count | Actual | | | | |
| 183 | Drilonereis filum | | count | Actual | | | | |
| 184 | Drilonereis longa | | count | Actual | | | | |
| 185 | Echinoida | | count | Actual | | | | |
| 186 | Echinoidea | | count | Actual | | | | |
| 187 | Ectoprocta | | count | Actual | | | | |
| 188 | Edwardsia | | count | Actual | | | | |
| 189 | Edwardsiidae | | count | Actual | | | | |
| 19 | Ampelisca brevisimulata | | count | Actual | | | | |
| 190 | Enopla | | count | Actual | | | | |
| 191 | Ensis myrae | | count | Actual | | | | |
| 192 | Enteropneusta | | count | Actual | | | | |
| 193 | Ephesiella brevicapitis | | count | Actual | | | | |
| 194 | Epitonium | | count | Actual | | | | |
| 195 | Epitonium lowei | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 196 | Epitonium sawinae | | count | Actual | | | | |
| 197 | Eptatretus stouti | | count | Actual | | | | |
| 198 | Erichthonius brasiliensis | | count | Actual | | | | |
| 199 | Erileptus spinosus | | count | Actual | | | | |
| 2 | Acila castrensis | | count | Actual | | | | |
| 20 | Ampelisca careyi | | count | Actual | | | | |
| 200 | Eteone | | count | Actual | | | | |
| 201 | Euchone | | count | Actual | | | | |
| 202 | Euchone arenae | | count | Actual | | | | |
| 203 | Euchone hancocki | | count | Actual | | | | |
| 204 | Euchone incolor | | count | Actual | | | | |
| 205 | Euchone limnicola | | count | Actual | | | | |
| 206 | Euchone velifera | | count | Actual | | | | |
| 207 | Euclymene campanula | | count | Actual | | | | |
| 208 | Eudorella pacifica | | count | Actual | | | | |
| 209 | Eugyra arenosa | | count | Actual | | | | |
| 21 | Ampelisca cristata | | count | Actual | | | | |
| 210 | Eulalia | | count | Actual | | | | |
| 211 | Eulalia levicornuta | | count | Actual | | | | |
| 212 | Eunice americana | | count | Actual | | | | |
| 213 | Eunicidae | | count | Actual | | | | |
| 214 | Euphilomedes | | count | Actual | | | | |
| 215 | Euphilomedes carcharodonta | | count | Actual | | | | |
| 216 | Euphilomedes producta | | count | Actual | | | | |

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|--------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 217 | Euphysa | | count | Actual | | | | |
| 218 | Eupolymnia | | count | Actual | | | | |
| 219 | Eusarsiella | | count | Actual | | | | |
| 22 | Ampelisca cristata microdentata | | count | Actual | | | | |
| 220 | Eusyllis | | count | Actual | | | | |
| 221 | Eusyllis habei | | count | Actual | | | | |
| 222 | Eusyllis transecta | | count | Actual | | | | |
| 223 | Exogone | | count | Actual | | | | |
| 224 | Exogone lourei | | count | Actual | | | | |
| 225 | Fabricia | | count | Actual | | | | |
| 226 | Foxiphalus golfensis | | count | Actual | | | | |
| 227 | Foxiphalus obtusidens | | count | Actual | | | | |
| 228 | Gammaropsis thompsoni | | count | Actual | | | | |
| 229 | Gari | | count | Actual | | | | |
| 23 | Ampelisca hancocki | | count | Actual | | | | |
| 230 | Gastropoda | | count | Actual | | | | |
| 231 | Gastropterion pacificum | | count | Actual | | | | |
| 232 | Glottidia albida | | count | Actual | | | | |
| 233 | Glycera | | count | Actual | | | | |
| 234 | Glycera americana | | count | Actual | | | | |
| 235 | Glycera convoluta | | count | Actual | | | | |
| 236 | Glycera robusta | | count | Actual | | | | |
| 237 | Glycinde armigera | | count | Actual | | | | |
| 238 | Gnathia crenulatifrons | | count | Actual | | | | |

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|--------|-------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 239 | Goniada brunnea | | count | Actual | | | | |
| 24 | Ampelisca indentata | | count | Actual | | | | |
| 240 | Goniada maculata | | count | Actual | | | | |
| 241 | Gymnonereis crosslandi | | count | Actual | | | | |
| 242 | Gyptis brunnea | | count | Actual | | | | |
| 243 | Halcapa decemtentaculata | | count | Actual | | | | |
| 244 | Halianthella | | count | Actual | | | | |
| 245 | Halosydna | | count | Actual | | | | |
| 246 | Halosydna brevisetosa | | count | Actual | | | | |
| 247 | Hamatoscalpellum californicum | | count | Actual | | | | |
| 248 | Harmothoe | | count | Actual | | | | |
| 249 | Harmothoe hirsuta | | count | Actual | | | | |
| 25 | Ampelisca lobata | | count | Actual | | | | |
| 250 | Harpacticoida | | count | Actual | | | | |
| 251 | Harpiniopsis fulgens | | count | Actual | | | | |
| 252 | Hemichordata | | count | Actual | | | | |
| 253 | Hemiproto | | count | Actual | | | | |
| 254 | Hemisquilla ensigera californiensis | | count | Actual | | | | |
| 255 | Heptacarpus | | count | Actual | | | | |
| 256 | Heptacarpus stimpsoni | | count | Actual | | | | |
| 257 | Hesperonoe | | count | Actual | | | | |
| 258 | Hesperonoe complanata | | count | Actual | | | | |
| 259 | Heterocrypta occidentalis | | count | Actual | | | | |
| 26 | Ampelisca milleri | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 260 | Heterogorgia tortuosa | | count | Actual | | | | |
| 261 | Heteromastus filobranchus | | count | Actual | | | | |
| 262 | Heterophoxus | | count | Actual | | | | |
| 263 | Heterophoxus oculatus | | count | Actual | | | | |
| 264 | Heteroserolis carinata | | count | Actual | | | | |
| 265 | Heterospio catalinensis | | count | Actual | | | | |
| 266 | Hiatella arctica | | count | Actual | | | | |
| 267 | Hippolytidae | | count | Actual | | | | |
| 268 | Hippomedon | | count | Actual | | | | |
| 269 | Hippomedon columbianus | | count | Actual | | | | |
| 27 | Ampelisca pacifica | | count | Actual | | | | |
| 270 | Hippomedon subrobustus | | count | Actual | | | | |
| 271 | Hippomedon zetesimus | | count | Actual | | | | |
| 272 | Holothuroidea | | count | Actual | | | | |
| 273 | Hyalinoecia juvenalis | | count | Actual | | | | |
| 274 | Hydrozoa | | count | Actual | | | | |
| 275 | Hyperidae | | count | Actual | | | | |
| 276 | Insecta | | count | Actual | | | | |
| 277 | Ischyrocerus | | count | Actual | | | | |
| 278 | Isocirrus longiceps | | count | Actual | | | | |
| 279 | Janiralata occidentalis | | count | Actual | | | | |
| 28 | Ampelisca pugetica | | count | Actual | | | | |
| 280 | Jasmineira | | count | Actual | | | | |
| 281 | Jassa slatteryi | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 282 | Joeropsis concava | | count | Actual | | | | |
| 283 | Joeropsis dubia | | count | Actual | | | | |
| 284 | Kellia suborbicularis | | count | Actual | | | | |
| 285 | Kurtzia arteaga | | count | Actual | | | | |
| 286 | Kurtziella plumbea | | count | Actual | | | | |
| 287 | Kylix halocydne | | count | Actual | | | | |
| 288 | Lanassa | | count | Actual | | | | |
| 289 | Lanassa venusta venusta | | count | Actual | | | | |
| 29 | Ampelisca unsocalae | | count | Actual | | | | |
| 290 | Lanice conchilega | | count | Actual | | | | |
| 291 | Laonice | | count | Actual | | | | |
| 292 | Laonice cirrata | | count | Actual | | | | |
| 293 | Leitoscoloplos pugettensis | | count | Actual | | | | |
| 294 | Lepidasthenia berkeleyae | | count | Actual | | | | |
| 295 | Lepidasthenia longicirrata | | count | Actual | | | | |
| 296 | Leptochelia dubia | | count | Actual | | | | |
| 297 | Leptognathia | | count | Actual | | | | |
| 298 | Leptopecten latiauratus | | count | Actual | | | | |
| 299 | Leptoplanidae | | count | Actual | | | | |
| 3 | Acteocina culcitella | | count | Actual | | | | |
| 30 | Ampharete | | count | Actual | | | | |
| 300 | Leptosynapta | | count | Actual | | | | |
| 301 | Leucon subnasica | | count | Actual | | | | |
| 302 | Leuroleberis sharpei | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 303 | Levinsenia gracilis | | count | Actual | | | | |
| 304 | Levinsenia multibranchiata | | count | Actual | | | | |
| 305 | Levinsenia oculata | | count | Actual | | | | |
| 306 | Limifossor fratula | | count | Actual | | | | |
| 307 | Limnactiniidae | | count | Actual | | | | |
| 308 | Lineidae | | count | Actual | | | | |
| 309 | Lineus bilineatus | | count | Actual | | | | |
| 31 | Ampharete acutifrons | | count | Actual | | | | |
| 310 | Lineus rubescens | | count | Actual | | | | |
| 311 | Listriella | | count | Actual | | | | |
| 312 | Listriella diffusa | | count | Actual | | | | |
| 313 | Listriella eriopisa | | count | Actual | | | | |
| 314 | Listriella goleta | | count | Actual | | | | |
| 315 | Listriolobus pelodes | | count | Actual | | | | |
| 316 | Loimia medusa | | count | Actual | | | | |
| 317 | Lophopanopeus | | count | Actual | | | | |
| 318 | Lophopanopeus bellus | | count | Actual | | | | |
| 319 | Lovenia cordiformis | | count | Actual | | | | |
| 32 | Ampharete arctica | | count | Actual | | | | |
| 320 | Lucinoma annulatum | | count | Actual | | | | |
| 321 | Luidia | | count | Actual | | | | |
| 322 | Luidia foliolata | | count | Actual | | | | |
| 323 | Lumbrineridae | | count | Actual | | | | |
| 324 | Lumbrinereis | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 325 | Lumbrineris californiensis | | count | Actual | | | | |
| 326 | Lumbrineris cruzensis | | count | Actual | | | | |
| 327 | Lumbrineris index | | count | Actual | | | | |
| 328 | Lumbrineris japonica | | count | Actual | | | | |
| 329 | Lumbrineris latreilli | | count | Actual | | | | |
| 33 | Ampharete labrops | | count | Actual | | | | |
| 330 | Lumbrineris limicola | | count | Actual | | | | |
| 331 | Lyonsia californica | | count | Actual | | | | |
| 332 | Lysippe | | count | Actual | | | | |
| 333 | Lytechinus pictus | | count | Actual | | | | |
| 334 | Macoma | | count | Actual | | | | |
| 335 | Macoma yoldiformis | | count | Actual | | | | |
| 336 | Maera simile | | count | Actual | | | | |
| 337 | Magelona | | count | Actual | | | | |
| 338 | Magelona berkeleyi | | count | Actual | | | | |
| 339 | Majidae | | count | Actual | | | | |
| 34 | Ampharetidae | | count | Actual | | | | |
| 340 | Maldane | | count | Actual | | | | |
| 341 | Maldane sarsi | | count | Actual | | | | |
| 342 | Maldanidae | | count | Actual | | | | |
| 343 | Malmgreniella | | count | Actual | | | | |
| 344 | Malmgreniella baschi | | count | Actual | | | | |
| 345 | Marphysa | | count | Actual | | | | |
| 346 | Marphysa disjuncta | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 347 | Mayerella banksia | | count | Actual | | | | |
| 348 | Mediomastus | | count | Actual | | | | |
| 349 | Megalomma pigmentum | | count | Actual | | | | |
| 35 | Amphichondrius granulosis | | count | Actual | | | | |
| 350 | Megasurcula carpenteriana | | count | Actual | | | | |
| 351 | Meiodorvillea | | count | Actual | | | | |
| 352 | Melinna | | count | Actual | | | | |
| 353 | Melinna heterodonta | | count | Actual | | | | |
| 354 | Melinna oculata | | count | Actual | | | | |
| 355 | Melphisana bola | | count | Actual | | | | |
| 356 | Metaphoxus frequens | | count | Actual | | | | |
| 357 | Metopa dawsoni | | count | Actual | | | | |
| 358 | Microjassa litotes | | count | Actual | | | | |
| 359 | Micropodarke dubia | | count | Actual | | | | |
| 36 | Amphicteis | | count | Actual | | | | |
| 360 | Microspio pigmentata | | count | Actual | | | | |
| 361 | Modiolus rectus | | count | Actual | | | | |
| 362 | Modulus | | count | Actual | | | | |
| 363 | Molpadia intermedia | | count | Actual | | | | |
| 364 | Monoculodes emarginatus | | count | Actual | | | | |
| 365 | Monoculodes latissimanus | | count | Actual | | | | |
| 366 | Mooreonuphis nebulosa | | count | Actual | | | | |
| 367 | Munnogonium tillerae | | count | Actual | | | | |
| 368 | Myriochele | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 369 | Myriochele gracilis | | count | Actual | | | | |
| 37 | Amphicteis scaphobranchiata | | count | Actual | | | | |
| 370 | Myriochele oculata | | count | Actual | | | | |
| 371 | Myriochele pygidialis | | count | Actual | | | | |
| 372 | Mysidacea | | count | Actual | | | | |
| 373 | Mysidella americana | | count | Actual | | | | |
| 374 | Myxicola infundibulum | | count | Actual | | | | |
| 375 | Nassarius | | count | Actual | | | | |
| 376 | Nassarius perpinguis | | count | Actual | | | | |
| 377 | Neaeromya rugifera | | count | Actual | | | | |
| 378 | Neastacilla californica | | count | Actual | | | | |
| 379 | Nebalia pugettensis | | count | Actual | | | | |
| 38 | Amphideutopus oculus | | count | Actual | | | | |
| 380 | Nematoda | | count | Actual | | | | |
| 381 | Nemertea | | count | Actual | | | | |
| 382 | Nemocardium centifilosum | | count | Actual | | | | |
| 383 | Neocrangon zaca | | count | Actual | | | | |
| 384 | Neomysis kadiakensis | | count | Actual | | | | |
| 385 | Neosimnia | | count | Actual | | | | |
| 386 | Neotrypaea | | count | Actual | | | | |
| 387 | Neotrypaea californiensis | | count | Actual | | | | |
| 388 | Nephasoma | | count | Actual | | | | |
| 389 | Nephtys | | count | Actual | | | | |
| 39 | Amphiodia | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 390 | Nephtys caecoides | | count | Actual | | | | |
| 391 | Nephtys cornuta | | count | Actual | | | | |
| 392 | Nephtys ferruginea | | count | Actual | | | | |
| 393 | Nereididae | | count | Actual | | | | |
| 394 | Nereiphylla | | count | Actual | | | | |
| 395 | Nereis procera | | count | Actual | | | | |
| 396 | Nicippe tumida | | count | Actual | | | | |
| 397 | Notocirrus californiensis | | count | Actual | | | | |
| 398 | Notomastus | | count | Actual | | | | |
| 399 | Notomastus latericeus | | count | Actual | | | | |
| 4 | Acteon traskii | | count | Actual | | | | |
| 40 | Amphiodia digitata | | count | Actual | | | | |
| 400 | Notomastus lineatus | | count | Actual | | | | |
| 401 | Notomastus magnus | | count | Actual | | | | |
| 402 | Notomastus tenuis | | count | Actual | | | | |
| 403 | Notoproctus pacificus | | count | Actual | | | | |
| 404 | Nuculana | | count | Actual | | | | |
| 405 | Nuculana conceptionis | | count | Actual | | | | |
| 406 | Nuculana taphria | | count | Actual | | | | |
| 407 | Nudibranchia | | count | Actual | | | | |
| 408 | Obelia | | count | Actual | | | | |
| 409 | Odostomia | | count | Actual | | | | |
| 41 | Amphiodia psara | | count | Actual | | | | |
| 410 | Oedicerotidae | | count | Actual | | | | |

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|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 411 | Oeonidae | | count | Actual | | | | |
| 412 | Oenopota | | count | Actual | | | | |
| 413 | Oerstedtia dorsalis | | count | Actual | | | | |
| 414 | Oligochaeta | | count | Actual | | | | |
| 415 | Olivella baetica | | count | Actual | | | | |
| 416 | Onuphidae | | count | Actual | | | | |
| 417 | Onuphis | | count | Actual | | | | |
| 418 | Onuphis iridescens | | count | Actual | | | | |
| 419 | Opheliidae | | count | Actual | | | | |
| 42 | Amphiodia urtica | | count | Actual | | | | |
| 420 | Ophelina acuminata | | count | Actual | | | | |
| 421 | Ophiodermella | | count | Actual | | | | |
| 422 | Ophiodermella inermis | | count | Actual | | | | |
| 423 | Ophiothrix spiculata | | count | Actual | | | | |
| 424 | Ophiura | | count | Actual | | | | |
| 425 | Ophiura lutkeni | | count | Actual | | | | |
| 426 | Ophiuroconis bispinosa | | count | Actual | | | | |
| 427 | Ophiuroidea | | count | Actual | | | | |
| 428 | Ophryotrocha | | count | Actual | | | | |
| 429 | Opisa tridentata | | count | Actual | | | | |
| 43 | Amphioplus | | count | Actual | | | | |
| 430 | Oplorhiza gracilis | | count | Actual | | | | |
| 431 | Orbiniidae | | count | Actual | | | | |
| 432 | Orchomenella pinguis | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 433 | Owenia fusiformis | | count | Actual | | | | |
| 434 | Oxyurostylis pacifica | | count | Actual | | | | |
| 435 | Pachycerianthus | | count | Actual | | | | |
| 436 | Pachynus barnardi | | count | Actual | | | | |
| 437 | Paguristes | | count | Actual | | | | |
| 438 | Paguristes bakeri | | count | Actual | | | | |
| 439 | Paguristes turgidus | | count | Actual | | | | |
| 44 | Amphipholis | | count | Actual | | | | |
| 440 | Paleonemertea | | count | Actual | | | | |
| 441 | Pandora | | count | Actual | | | | |
| 442 | Pandora bilirata | | count | Actual | | | | |
| 443 | Paracaudina chilensis | | count | Actual | | | | |
| 444 | Paradoneis | | count | Actual | | | | |
| 445 | Paradoneis eliasoni | | count | Actual | | | | |
| 446 | Parametaphoxus quaylei | | count | Actual | | | | |
| 447 | Paranaitis polynoides | | count | Actual | | | | |
| 448 | Parandalia fauveli | | count | Actual | | | | |
| 449 | Paranemertes californica | | count | Actual | | | | |
| 45 | Amphipholis squamata | | count | Actual | | | | |
| 450 | Paraprionospio pinnata | | count | Actual | | | | |
| 451 | Parougia caeca | | count | Actual | | | | |
| 452 | Parvilucina tenuisculpta | | count | Actual | | | | |
| 453 | Pectinaria californiensis | | count | Actual | | | | |
| 454 | Pennatulacea | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 455 | Pentactinia californica | | count | Actual | | | | |
| 456 | Pentamera | | count | Actual | | | | |
| 457 | Pentamera populifera | | count | Actual | | | | |
| 458 | Pentamera pseudocalcigera | | count | Actual | | | | |
| 459 | Pentamera pseudopopulifera | | count | Actual | | | | |
| 46 | Amphiporus | | count | Actual | | | | |
| 460 | Periploma discus | | count | Actual | | | | |
| 461 | Petaloproctus | | count | Actual | | | | |
| 462 | Petaloproctus neoborealis | | count | Actual | | | | |
| 463 | Phascalion | | count | Actual | | | | |
| 464 | Pherusa neopapillata | | count | Actual | | | | |
| 465 | Philine | | count | Actual | | | | |
| 466 | Pholoe glabra | | count | Actual | | | | |
| 467 | Phoronida | | count | Actual | | | | |
| 468 | Photis | | count | Actual | | | | |
| 469 | Photis bifurcata | | count | Actual | | | | |
| 47 | Amphissa undata | | count | Actual | | | | |
| 470 | Photis brevipes | | count | Actual | | | | |
| 471 | Photis californica | | count | Actual | | | | |
| 472 | Photis lacia | | count | Actual | | | | |
| 473 | Photis macrotica | | count | Actual | | | | |
| 474 | Photis parvidons | | count | Actual | | | | |
| 475 | Phyllochaetopterus limicolus | | count | Actual | | | | |
| 476 | Phyllochaetopterus prolifica | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 477 | Phyllodoce | | count | Actual | | | | |
| 478 | Phyllodoce cuspidata | | count | Actual | | | | |
| 479 | Phyllodoce groenlandica | | count | Actual | | | | |
| 48 | Amphiura | | count | Actual | | | | |
| 480 | Phyllodoce hartmanae | | count | Actual | | | | |
| 481 | Phyllodoce longipes | | count | Actual | | | | |
| 482 | Phyllodoce pettiboneae | | count | Actual | | | | |
| 483 | Phyllodocidae | | count | Actual | | | | |
| 484 | Phylo felix | | count | Actual | | | | |
| 485 | Pilargis | | count | Actual | | | | |
| 486 | Pinnixa | | count | Actual | | | | |
| 487 | Pinnixa franciscana | | count | Actual | | | | |
| 488 | Pinnixa hiatus | | count | Actual | | | | |
| 489 | Pinnixa longipes | | count | Actual | | | | |
| 49 | Amphiura acrystata | | count | Actual | | | | |
| 490 | Pinnixa occidentalis | | count | Actual | | | | |
| 491 | Pinnixa schmitti | | count | Actual | | | | |
| 492 | Pinnixa tubicola | | count | Actual | | | | |
| 493 | Pinnotheridae | | count | Actual | | | | |
| 494 | Piromis | | count | Actual | | | | |
| 495 | Piromis hospitis | | count | Actual | | | | |
| 496 | Pisione remota | | count | Actual | | | | |
| 497 | Pista | | count | Actual | | | | |
| 498 | Pista alata | | count | Actual | | | | |

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| 499 | Pista disjuncta | | count | Actual | | | | |
| 5 | Actiniaria | | count | Actual | | | | |
| 50 | Amphiuridae | | count | Actual | | | | |
| 500 | Pista fasciata | | count | Actual | | | | |
| 501 | Pista moorei | | count | Actual | | | | |
| 502 | Platyhelminthes | | count | Actual | | | | |
| 503 | Platynereis bicanaliculata | | count | Actual | | | | |
| 504 | Plehnia caeca | | count | Actual | | | | |
| 505 | Pleurobranchaea californica | | count | Actual | | | | |
| 506 | Pleusymtes subglaber | | count | Actual | | | | |
| 507 | Plumularia | | count | Actual | | | | |
| 508 | Plumularia corrugata | | count | Actual | | | | |
| 509 | Plumularia integra | | count | Actual | | | | |
| 51 | Amygdalum politum | | count | Actual | | | | |
| 510 | Podarke pugettensis | | count | Actual | | | | |
| 511 | Podarkeopsis | | count | Actual | | | | |
| 512 | Podarkeopsis glabra | | count | Actual | | | | |
| 513 | Podocerus | | count | Actual | | | | |
| 514 | Podocerus cristatus | | count | Actual | | | | |
| 515 | Poecilochaetus | | count | Actual | | | | |
| 516 | Poecilochaetus johnsoni | | count | Actual | | | | |
| 517 | Polinices draconis | | count | Actual | | | | |
| 518 | Polychaeta | | count | Actual | | | | |
| 519 | Polycirrus | | count | Actual | | | | |

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|--------|--------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 52 | Ancistrosyllis groenlandica | | count | Actual | | | | |
| 520 | Polycirrus californicus | | count | Actual | | | | |
| 521 | Polydora | | count | Actual | | | | |
| 522 | Polydora limicola | | count | Actual | | | | |
| 523 | Polynoidae | | count | Actual | | | | |
| 524 | Polyodontes panamensis | | count | Actual | | | | |
| 525 | Potamethus | | count | Actual | | | | |
| 526 | Prachynella lodo | | count | Actual | | | | |
| 527 | Praxillella gracilis | | count | Actual | | | | |
| 528 | Praxillella pacifica | | count | Actual | | | | |
| 529 | Praxillura maculata | | count | Actual | | | | |
| 53 | Ancistrosyllis hamata | | count | Actual | | | | |
| 530 | Prionospio | | count | Actual | | | | |
| 531 | Prionospio ehlersi | | count | Actual | | | | |
| 532 | Prionospio heterobranchia | | count | Actual | | | | |
| 533 | Proceraea | | count | Actual | | | | |
| 534 | Procerastea | | count | Actual | | | | |
| 535 | Proclea | | count | Actual | | | | |
| 536 | Prosorhochmus albidus | | count | Actual | | | | |
| 537 | Protomedeia | | count | Actual | | | | |
| 538 | Pseudomma | | count | Actual | | | | |
| 539 | Pseudomma californica | | count | Actual | | | | |
| 54 | Ancula | | count | Actual | | | | |
| 540 | Pseudopolydora paucibranchiata | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 541 | Pteropurpura macroptera | | count | Actual | | | | |
| 542 | Pyromaia tuberculata | | count | Actual | | | | |
| 543 | Randallia ornata | | count | Actual | | | | |
| 544 | Retusa xystrum | | count | Actual | | | | |
| 545 | Rhabdus rectius | | count | Actual | | | | |
| 546 | Rhachotropis | | count | Actual | | | | |
| 547 | Rhamphobrachium longisetosum | | count | Actual | | | | |
| 548 | Rhepoxynius abronius | | count | Actual | | | | |
| 549 | Rhepoxynius bicuspidatus | | count | Actual | | | | |
| 55 | Anobothrus gracilis | | count | Actual | | | | |
| 550 | Rhepoxynius daboius | | count | Actual | | | | |
| 551 | Rhepoxynius lucubrans | | count | Actual | | | | |
| 552 | Rhepoxynius menziesi | | count | Actual | | | | |
| 553 | Rhepoxynius stenodes | | count | Actual | | | | |
| 554 | Rhodine bitorquata | | count | Actual | | | | |
| 555 | Rictaxis punctocaelatus | | count | Actual | | | | |
| 556 | Rutiderma lomae | | count | Actual | | | | |
| 557 | Sabellariidae | | count | Actual | | | | |
| 558 | Sabellidae | | count | Actual | | | | |
| 559 | Sabellides | | count | Actual | | | | |
| 56 | Anoplodactylus | | count | Actual | | | | |
| 560 | Samytha | | count | Actual | | | | |
| 561 | Samytha californiensis | | count | Actual | | | | |
| 562 | Saxicavella nybakkeni | | count | Actual | | | | |

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|--------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 563 | Saxicavella pacifica | | count | Actual | | | | |
| 564 | Scalibregma inflatum | | count | Actual | | | | |
| 565 | Scaphopoda | | count | Actual | | | | |
| 566 | Schistomeringos rudolphi | | count | Actual | | | | |
| 567 | Schmittius politus | | count | Actual | | | | |
| 568 | Scionella japonica | | count | Actual | | | | |
| 569 | Scleroconcha trituberculata | | count | Actual | | | | |
| 57 | Anoplodactylus erectus | | count | Actual | | | | |
| 570 | Scolecopsis | | count | Actual | | | | |
| 571 | Scoletoma | | count | Actual | | | | |
| 572 | Scoloplos acmeceps | | count | Actual | | | | |
| 573 | Scoloplos armiger | | count | Actual | | | | |
| 574 | Scrupocellaria | | count | Actual | | | | |
| 575 | Sicyonia ingentis | | count | Actual | | | | |
| 576 | Sigambra tentaculata | | count | Actual | | | | |
| 577 | Sige | | count | Actual | | | | |
| 578 | Sinum scopulosum | | count | Actual | | | | |
| 579 | Siphonodentalium quadrifissatum | | count | Actual | | | | |
| 58 | Antiplanes catalinae | | count | Actual | | | | |
| 580 | Siphonosoma ingens | | count | Actual | | | | |
| 581 | Sipuncula | | count | Actual | | | | |
| 582 | Solemya reidi | | count | Actual | | | | |
| 583 | Solen sicarius | | count | Actual | | | | |
| 584 | Spatangus californicus | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 585 | Spio | | count | Actual | | | | |
| 586 | Spio filicornis | | count | Actual | | | | |
| 587 | Spiochaetopterus costarum | | count | Actual | | | | |
| 588 | Spionidae | | count | Actual | | | | |
| 589 | Spiophanes | | count | Actual | | | | |
| 59 | Aoroides columbiae | | count | Actual | | | | |
| 590 | Spiophanes berkeleyorum | | count | Actual | | | | |
| 591 | Spiophanes bombyx | | count | Actual | | | | |
| 592 | Spiophanes wigleyi | | count | Actual | | | | |
| 593 | Spirontocaris | | count | Actual | | | | |
| 594 | Spirontocaris sica | | count | Actual | | | | |
| 595 | Spisula | | count | Actual | | | | |
| 596 | Stenopleustes monocuspis | | count | Actual | | | | |
| 597 | Stenothoe frecanda | | count | Actual | | | | |
| 598 | Stenothoides bicoma | | count | Actual | | | | |
| 599 | Sternaspis fossor | | count | Actual | | | | |
| 6 | Acuminodeutopus heteruropus | | count | Actual | | | | |
| 60 | Aoroides inermis | | count | Actual | | | | |
| 600 | Sthenelais | | count | Actual | | | | |
| 601 | Sthenelais tertiaglabra | | count | Actual | | | | |
| 602 | Sthenelais verruculosa | | count | Actual | | | | |
| 603 | Sthenelanella uniformis | | count | Actual | | | | |
| 604 | Streblosoma | | count | Actual | | | | |
| 605 | Streblosoma crassibranchia | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 606 | Styela | | count | Actual | | | | |
| 607 | Stylatula | | count | Actual | | | | |
| 608 | Stylatula elongata | | count | Actual | | | | |
| 609 | Stylochus | | count | Actual | | | | |
| 61 | Aoroides | | count | Actual | | | | |
| 610 | Stylostomum | | count | Actual | | | | |
| 611 | Subadyte mexicana | | count | Actual | | | | |
| 612 | Syllidae | | count | Actual | | | | |
| 613 | Syllides japonica | | count | Actual | | | | |
| 614 | Syllides longocirrata | | count | Actual | | | | |
| 615 | Syllis gracilis | | count | Actual | | | | |
| 616 | Synchelidium rectipalmum | | count | Actual | | | | |
| 617 | Synchelidium shoemakeri | | count | Actual | | | | |
| 618 | Syrrhoe | | count | Actual | | | | |
| 619 | Tagelus subteres | | count | Actual | | | | |
| 62 | Aphrodita | | count | Actual | | | | |
| 620 | Tanaidae | | count | Actual | | | | |
| 621 | Tellina | | count | Actual | | | | |
| 622 | Tellina carpenteri | | count | Actual | | | | |
| 623 | Tellina idae | | count | Actual | | | | |
| 624 | Tellina modesta | | count | Actual | | | | |
| 625 | Tenonia priops | | count | Actual | | | | |
| 626 | Terebellidae | | count | Actual | | | | |
| 627 | Terebellides | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 628 | Terebellides californica | | count | Actual | | | | |
| 629 | Terebellides reishi | | count | Actual | | | | |
| 63 | Aphrodita castanea | | count | Actual | | | | |
| 630 | Tetrastemma | | count | Actual | | | | |
| 631 | Tetrastemma nigrifrons | | count | Actual | | | | |
| 632 | Theora lubrica | | count | Actual | | | | |
| 633 | Thesea | | count | Actual | | | | |
| 634 | Thracia curta | | count | Actual | | | | |
| 635 | Thyasira flexuosa | | count | Actual | | | | |
| 636 | Travisia brevis | | count | Actual | | | | |
| 637 | Travisia pupa | | count | Actual | | | | |
| 638 | Triopha | | count | Actual | | | | |
| 639 | Tubulanus cingulatus | | count | Actual | | | | |
| 64 | Aphrodita japonica | | count | Actual | | | | |
| 640 | Tubulanus nothus | | count | Actual | | | | |
| 641 | Tubulanus polymorphus | | count | Actual | | | | |
| 642 | Tubularia | | count | Actual | | | | |
| 643 | Turbonilla | | count | Actual | | | | |
| 644 | Upogebia | | count | Actual | | | | |
| 645 | Upogebia macginitieorum | | count | Actual | | | | |
| 646 | Uromunna ubiquita | | count | Actual | | | | |
| 647 | Virgulariidae | | count | Actual | | | | |
| 648 | Vitrinella oldroydi | | count | Actual | | | | |
| 649 | Volvulella | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65 | Apoprionospio pygmaea | | count | Actual | | | | |
| 650 | Volvulella californica | | count | Actual | | | | |
| 651 | Volvulella catharia | | count | Actual | | | | |
| 652 | Volvulella cylindrica | | count | Actual | | | | |
| 653 | Volvulella panamica | | count | Actual | | | | |
| 654 | Westwoodilla caecula | | count | Actual | | | | |
| 655 | Zygeupolia rubens | | count | Actual | | | | |
| 656 | Atlanta | | count | Actual | | | | |
| 657 | Asperiscala | | count | Actual | | | | |
| 658 | Aphelochaeta | | count | Actual | | | | |
| 659 | Alabina | | count | Actual | | | | |
| 66 | Arabella | | count | Actual | | | | |
| 660 | Acerotisa | | count | Actual | | | | |
| 661 | Cardium | | count | Actual | | | | |
| 662 | Pilargis maculata | | count | Actual | | | | |
| 663 | Chione | | count | Actual | | | | |
| 664 | Aphelochaeta marioni | | count | Actual | | | | |
| 665 | Boreocingula martyni | | count | Actual | | | | |
| 666 | Phyllodoce medipapillata | | count | Actual | | | | |
| 667 | Phaenocelis mexicana | | count | Actual | | | | |
| 669 | Corbula luteola | | count | Actual | | | | |
| 67 | Araphura | | count | Actual | | | | |
| 670 | Bugula longirostrata | | count | Actual | | | | |
| 671 | Coryne | | count | Actual | | | | |

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| 672 | <i>Psephidia lordi</i> | | count | Actual | | | | |
| 673 | <i>Asperiscala lowei</i> | | count | Actual | | | | |
| 674 | <i>Harmothoe lunulata</i> | | count | Actual | | | | |
| 675 | <i>Cadulus</i> | | count | Actual | | | | |
| 676 | <i>Conchoecia</i> | | count | Actual | | | | |
| 677 | <i>Cirriformia luxuriosa</i> | | count | Actual | | | | |
| 678 | <i>Clio</i> | | count | Actual | | | | |
| 679 | <i>Vitreolina macra</i> | | count | Actual | | | | |
| 68 | <i>Arcteobia anticostiensis</i> | | count | Actual | | | | |
| 680 | <i>Palaemon macrodactylus</i> | | count | Actual | | | | |
| 681 | <i>Chionoecetes</i> | | count | Actual | | | | |
| 682 | <i>Copidozoum</i> | | count | Actual | | | | |
| 683 | <i>Crepidula norrisiarum</i> | | count | Actual | | | | |
| 684 | <i>Thysanocardia nigra</i> | | count | Actual | | | | |
| 685 | <i>Micrura nigrirostris</i> | | count | Actual | | | | |
| 686 | <i>Trichiurus nitens</i> | | count | Actual | | | | |
| 687 | <i>Crepidula nivea</i> | | count | Actual | | | | |
| 688 | <i>Polydora neocardalia</i> | | count | Actual | | | | |
| 689 | <i>Scaphander</i> | | count | Actual | | | | |
| 69 | <i>Arctonoe</i> | | count | Actual | | | | |
| 690 | <i>Crepidula nummaria</i> | | count | Actual | | | | |
| 691 | <i>Lucinisca nuttalli</i> | | count | Actual | | | | |
| 692 | <i>Fartulum occidentale</i> | | count | Actual | | | | |
| 693 | <i>Clavipora occidentalis</i> | | count | Actual | | | | |

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| 694 | <i>Crisulipora occidentalis</i> | | count | Actual | | | | |
| 695 | <i>Amphiodia occidentalis</i> | | count | Actual | | | | |
| 696 | <i>Spinicirrus</i> | | count | Actual | | | | |
| 697 | <i>Plumularia mobilis</i> | | count | Actual | | | | |
| 698 | <i>Polyorchis montereyensis</i> | | count | Actual | | | | |
| 699 | <i>Chaetozone multioculata</i> | | count | Actual | | | | |
| 7 | <i>Adontorhina cyclia</i> | | count | Actual | | | | |
| 70 | <i>Argissa hamatipes</i> | | count | Actual | | | | |
| 700 | <i>Glycera nana</i> | | count | Actual | | | | |
| 701 | <i>Cryptocope</i> | | count | Actual | | | | |
| 702 | <i>Lafoea</i> | | count | Actual | | | | |
| 703 | <i>Bathymedon longimanus</i> | | count | Actual | | | | |
| 704 | <i>Limacina</i> | | count | Actual | | | | |
| 705 | <i>Betaeus gracilis</i> | | count | Actual | | | | |
| 706 | <i>Caulleriella gracilis</i> | | count | Actual | | | | |
| 707 | <i>Leptogyra</i> | | count | Actual | | | | |
| 708 | <i>Paraphronima gracilis</i> | | count | Actual | | | | |
| 709 | <i>Flosmaris grandis</i> | | count | Actual | | | | |
| 71 | <i>Arhynchite</i> | | count | Actual | | | | |
| 710 | <i>Leaena</i> | | count | Actual | | | | |
| 711 | <i>Lissoclinum</i> | | count | Actual | | | | |
| 712 | <i>Pandalus gurneyi</i> | | count | Actual | | | | |
| 713 | <i>Crepidula glottidiarum</i> | | count | Actual | | | | |
| 714 | <i>Kurtzina</i> | | count | Actual | | | | |

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| 715 | Ophiidermella halcyonis | | count | Actual | | | | |
| 716 | Phoronopsis harmeri | | count | Actual | | | | |
| 717 | Discodoris heathi | | count | Actual | | | | |
| 718 | Myriochele heeri | | count | Actual | | | | |
| 719 | Rochefortia grippi | | count | Actual | | | | |
| 72 | Arhynchite californicus | | count | Actual | | | | |
| 720 | Phyllodoce ferruginea | | count | Actual | | | | |
| 721 | Grubeulepis fimbriata | | count | Actual | | | | |
| 722 | Spiophanes fimbriata | | count | Actual | | | | |
| 723 | Lirobittium | | count | Actual | | | | |
| 724 | Solidobalanus hesperius | | count | Actual | | | | |
| 725 | Bathyleberis garthi | | count | Actual | | | | |
| 726 | Haliophasma geminata | | count | Actual | | | | |
| 727 | Panopea generosa | | count | Actual | | | | |
| 728 | Arabella geniculata | | count | Actual | | | | |
| 729 | Metridium giganteum | | count | Actual | | | | |
| 73 | Aricidea catherinae | | count | Actual | | | | |
| 730 | Prionace glauca | | count | Actual | | | | |
| 731 | Marsenina | | count | Actual | | | | |
| 732 | Synidotea laticauda | | count | Actual | | | | |
| 733 | Ensitellops | | count | Actual | | | | |
| 734 | Renilla koellikeri | | count | Actual | | | | |
| 735 | Plumularia lagenifera | | count | Actual | | | | |
| 736 | Kellia laperousii | | count | Actual | | | | |

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| 737 | Dromidia larraburei | | count | Actual | | | | |
| 738 | Dactylopleustes | | count | Actual | | | | |
| 739 | Leuresthes tenuis | | count | Actual | | | | |
| 74 | Aricidea wassi | | count | Actual | | | | |
| 740 | Dacrydium | | count | Actual | | | | |
| 741 | Neosimnia loebbeckeana | | count | Actual | | | | |
| 742 | Notoplana longastyletta | | count | Actual | | | | |
| 743 | Onchidoris hystericina | | count | Actual | | | | |
| 744 | Pagurus ochotensis | | count | Actual | | | | |
| 745 | Syllis heterochaeta | | count | Actual | | | | |
| 746 | Gnorimosphaeroma | | count | Actual | | | | |
| 747 | Amphioplus hexacanthus | | count | Actual | | | | |
| 748 | Ammonothea hilgendorfi | | count | Actual | | | | |
| 749 | Callopora horrida | | count | Actual | | | | |
| 75 | Aricidea | | count | Actual | | | | |
| 750 | Kelletia kelletii | | count | Actual | | | | |
| 751 | Abietinaria pacifica | | count | Actual | | | | |
| 752 | Cephalaspidea | | count | Actual | | | | |
| 753 | Lepidepcreum | | count | Actual | | | | |
| 76 | Armandia brevis | | count | Actual | | | | |
| 77 | Armina californica | | count | Actual | | | | |
| 78 | Artacama coniferi | | count | Actual | | | | |
| 79 | Artacamella hancocki | | count | Actual | | | | |
| 8 | Aglaja ocelligera | | count | Actual | | | | |

Characteristic Group Details

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 80 | Aruga holmesi | | count | Actual | | | | |
| 81 | Aruga oculata | | count | Actual | | | | |
| 82 | Asabellides lineata | | count | Actual | | | | |
| 83 | Asciadiacea | | count | Actual | | | | |
| 84 | Asteroidea | | count | Actual | | | | |
| 85 | Astropecten | | count | Actual | | | | |
| 86 | Astropecten verrilli | | count | Actual | | | | |
| 87 | Autolytus | | count | Actual | | | | |
| 88 | Axinopsida serricata | | count | Actual | | | | |
| 89 | Axiothella rubrocincta | | count | Actual | | | | |
| 9 | Aglaophamus erectans | | count | Actual | | | | |
| 90 | Balanus | | count | Actual | | | | |
| 91 | Balanus pacificus | | count | Actual | | | | |
| 92 | Balcis | | count | Actual | | | | |
| 93 | Barentsia | | count | Actual | | | | |
| 94 | Bathyleberis garthi | | count | Actual | | | | |
| 95 | Bathymedon pumilus | | count | Actual | | | | |
| 96 | Bathymedon vulpeculus | | count | Actual | | | | |
| 97 | Bemlos audbettius | | count | Actual | | | | |
| 98 | Bispira | | count | Actual | | | | |
| 99 | Bivalvia | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|------------|-----------|--------------|---------|
| CG-008 | Bioaccumulation parent | Sample | Biological | Individual | | | N |

Characteristic Group Details

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Orange County Sanitation District California

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Pleuronectes vetulus | count | | Actual | | | | | | |
| 2 | Pleuronichthys verticalis | count | | Actual | | | | | | |
| 3 | Hippoglossina stomata | count | | Actual | | | | | | |
| 4 | Microstomus pacificus | count | | Actual | | | | | | |
| 5 | Genyonemus lineatus | count | | Actual | | | | | | |
| 6 | Pleuronichthys ritteri | count | | Actual | | | | | | |
| 7 | Paralabrax nebulifer | count | | Actual | | | | | | |
| 8 | Citharichthys xanthostigma | count | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|------------|------------|-----------|--------------|---------|
| CG-009 | Trawl Biomass & Sizeclass | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Length, Standard (Fish) | cm | | Actual | | | | | | |
| 2 | Length, Total (Fish) | cm | | Actual | | | | | | |
| 3 | Length | cm | | Actual | | | | | | |
| 4 | Biomass | g | | Actual | | | | | OTTER TRAWL | |
| 5 | Actual Number of Individuals Measured | count | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|----------|--------|-----------|--------------|---------|
| CG-010 | LABs (Linear Alkaline Benzene) | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | 1-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 10 | 2-Phenylundecane | ug/kg | Total | Actual | | | | | LABS | |
| 11 | 3-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 12 | 3-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 13 | 3-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 14 | 3-Phenyltridecane | ug/kg | Total | Actual | | | | | LABS | |
| 15 | 3-Phenylundecane | ug/kg | Total | Actual | | | | | LABS | |
| 16 | 4-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 17 | 4-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 18 | 4-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 19 | 4-Phenyltridecane | ug/kg | Total | Actual | | | | | LABS | |
| 2 | 1-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 20 | 4-Phenylundecane | ug/kg | Total | Actual | | | | | LABS | |
| 21 | 5-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 22 | 5-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 23 | 5-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 24 | 5-Phenyltridecane | ug/kg | Total | Actual | | | | | LABS | |
| 25 | 5-Phenylundecane | ug/kg | Total | Actual | | | | | LABS | |
| 26 | 6-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 27 | 6-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 28 | 6-Phenyltridecane | ug/kg | Total | Actual | | | | | LABS | |
| 29 | 6-Phenylundecane | ug/kg | Total | Actual | | | | | LABS | |
| 3 | 1-Phenylnonane | ug/kg | Total | Actual | | | | | LABS | |
| 30 | 7-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 31 | 7-Phenyltetradecane + 6-Phenyltridecane mix | ug/kg | Total | Actual | | | | | LABS | |
| 32 | 5,6-Dibutyl-5,6-bis(4-tert-butylphenyl)decane | ug/kg | Total | Actual | | | | | LABS | |
| 33 | Undecane | ug/kg | Total | Actual | | | | | LABS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34 | Tridecane | ug/kg | Total | Actual | | | | | LABS | |
| 35 | Dodecane | ug/kg | Total | Actual | | | | | LABS | |
| 4 | 1-Phenylpentadecane | ug/kg | Total | Actual | | | | | LABS | |
| 5 | 1-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 6 | 2-Phenyldecane | ug/kg | Total | Actual | | | | | LABS | |
| 7 | 2-Phenylododecane | ug/kg | Total | Actual | | | | | LABS | |
| 8 | 2-Phenyltetradecane | ug/kg | Total | Actual | | | | | LABS | |
| 9 | 2-Phenyltridecane | ug/kg | Total | Actual | | | | | LABS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-011 | Fish histopathology | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 1 | SPECIMEN | |
| 10 | LENGTH | |
| 11 | WEIGHT | |
| 12 | SEX | |
| 13 | INTERNAL CONDITION | |
| 14 | LIVER CONDITION | |
| 2 | ORGAN | |
| 3 | TISSUE | |
| 4 | LESION | |
| 5 | AFFECTED | |
| 6 | POSTMORT | |
| 7 | DISTRIBUTION | |
| 8 | RESPONSE | |

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| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 9 | SEVERITY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|------------|------------|-----------|--------------|---------|
| CG-012 | Fish Histopathology species | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Hippoglossina stomata | count | | Actual | | | | | | |
| 10 | Scomber japonicus | count | | Actual | | | | | | |
| 11 | Sebastes dalli | count | | Actual | | | | | | |
| 12 | Sebastes rosaceus | count | | Actual | | | | | | |
| 13 | Citharichthys stigmaeus | count | | Actual | | | | | | |
| 14 | Squalus acanthias | count | | Actual | | | | | | |
| 15 | Symphurus atricauda | count | | Actual | | | | | | |
| 16 | Sebastes miniatus | count | | Actual | | | | | | |
| 17 | Genyonemus lineatus | count | | Actual | | | | | | |
| 18 | Pleuronichthys ritteri | count | | Actual | | | | | | |
| 19 | Parophrys vetulus | count | | Actual | | | | | | |
| 2 | Scorpaena guttata | count | | Actual | | | | | | |
| 3 | Caulolatilus princeps | count | | Actual | | | | | | |
| 4 | Microstomus pacificus | count | | Actual | | | | | | |
| 5 | Pleuronectes vetulus | count | | Actual | | | | | | |
| 6 | Xystreureys liolepis | count | | Actual | | | | | | |
| 7 | Pleuronichthys verticalis | count | | Actual | | | | | | |
| 8 | Citharichthys sordidus | count | | Actual | | | | | | |
| 9 | Paralabrax nebulifer | count | | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BASIC | BASIC | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | | |
| | Temperature, air | deg C | | Actual | | | | | | |
| | Specific conductance | uS/cm | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BASICS | basics | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Flow | | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Dissolved oxygen (DO) | | | Actual | | | | | | |
| | pH | | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CAMG | HARDNESS-CA+MG | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HRD-CAMG | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-001 | Routine Sampling | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG_DIS | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| AG_TREC | Silver | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| AL_DIS | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| AL_TREC | Aluminum | ug/l | Total Recovrble | Actual | | | | | POT DISS METAL2 | |
| AS_DIS | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| AS_PD | Arsenic | ug/l | Dissolved | Actual | | | | | POT DISS METAL2 | |
| AS_TOT | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| AS_TREC | Arsenic | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| CD_DIS | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CD_PD | Cadmium | ug/l | Dissolved | Actual | | | | | POT DISS METAL2 | |
| CD_TREC | Cadmium | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| CL_TOT | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| CN_DIR | Cyanides Amenable to Chlorination | mg/l | Total | Actual | | | | | 4500-CN(H) | |
| CN_TOT | Cyanide | mg/l | Total | Actual | | | | | 335.2 | |
| COND_LAB | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CR_DIS | Chromium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CR_TREC | Chromium | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| CU_DIS | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CU_PD | Copper | ug/l | Dissolved | Actual | | | | | POT DISS METAL2 | |
| CU_TREC | Copper | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| ECOLICST | Escherichia coli | #/100ml | Total | Calculated | MPN | | | | 9223-B | |
| ECOLIMF24 | Escherichia coli | #/100ml | Total | Actual | | | | | 10029 | |
| ECOLIMPN | Escherichia coli | #/100ml | Total | Calculated | MPN | | | | 9221-B.1 | |
| FCOLICNT | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| FCOLIMPN | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E | |
| FE_DIS | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| FE_PD | Iron | ug/l | Dissolved | Actual | | | | | POT DISS METAL1 | |
| FE_TREC | Iron | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| FL_DIS | Fluorides | mg/l | Dissolved | Actual | | | | | 4500-F-E | |
| HG_DIS | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| HG_TOT | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| HRDNSLAB | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | 200.7(W) | |
| MN_DIS | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| MN_PD | Manganese | ug/l | Dissolved | Actual | | | | | POT DISS METAL1 | |
| MN_TREC | Manganese | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| N-KJEL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| N-NH3NH4 | Nitrogen, ammonia (NH3) + | mg/l | Total | Actual | | | | | 350.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | ammonium (NH4) | | | | | | | | | |
| N-NO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 4500-NO2(B) | |
| N-NO3 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| N-NO5 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NI_DIS | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| P-ORTPO4 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.2 | |
| PB_DIS | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| PB_PD | Lead | ug/l | Dissolved | Actual | | | | | POT DISS METAL2 | |
| PB_TREC | Lead | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| PHOS_TOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SE_DIS | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| SE_PD | Selenium | ug/l | Dissolved | Actual | | | | | POT DISS METAL2 | |
| SE_TREC | Selenium | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| SO4_TOT | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| T-ALKLAB | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320 | |
| TCOLICST | Total Coliform | #/100ml | Total | Calculated | MPN | | | | 9223-B | |
| TCOLIMPN | Total Coliform | #/100ml | Total | Calculated | MPN | | | | 9223-B | |
| TDS | Solids, Dissolved | mg/l | Filterable | Actual | | | | | 160.1 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.2 | |
| U_DIS | Uranium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ZN_DIS | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| ZN_PD | Zinc | ug/l | Dissolved | Actual | | | | | POT DISS METAL1 | |
| ZN_TREC | Zinc | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-002 | Routine Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|---------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR_C | Temperature, air | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 50.00000 | deg C | | | | | | | |
| AIR_F | Temperature, air | deg F | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 50.00000 | deg F | | | | | | | |
| COND_FLD | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DO_SAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| FLOW_CFS | Flow | cfs | | Actual | | | | | UNKNOWN | |
| FLOW_GPM | Flow | gal/min | | Actual | | | | | UNKNOWN | |
| FLOW_MGD | Flow | mgd | | Actual | | | | | UNKNOWN | |
| HRDNSFLD | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| PH_FIELD | pH | None | Total | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| PH_STRIP | pH | None | Total | Actual | | | | | 9041A | |
| SAMP_C | Temperature, water | deg C | | Actual | | | | | 2550 | |
| | Acceptable Range | 0.00000 - 100.00000 | deg C | | | | | | | |
| SAMP_F | Temperature, water | deg F | | Actual | | | | | 2550 | |
| | Acceptable Range | 0.00000 - 100.00000 | deg F | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| T-ALKFLD | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320 | |
| TEMP_WATER-DEG_C | Temperature, water | deg C | | Actual | | | | | 2550 | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CN_DIR | Cyanide, Direct | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CN_DIR | Cyanides Amenable to Chlorination | mg/l | Total | Actual | | | | | 4500-CN(H) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| ECOLICST | E. COLI, MPN | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ECOLIMPN | Escherichia coli | #/100ml | Total | Calculated | MPN | | | | 9223-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FCOLICNT | FECAL COLIFORM, MFT | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FCOLICNT | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| FCOLIMPN | Total Fecal Coliforms | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FCOLIMPN | Fecal Coliform | #/100ml | Total | Actual | MPN | | | | 9221-E | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| HLAKEFLD | HISTORIC LAKE FIELD TESTS | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO_FLD | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | HISTORIC | |
| FLD_COND_25 | Specific conductance | uS/cm | Total | Actual | | | | 25 Deg C | HISTORIC | |
| PH_FLD | pH | None | Total | Actual | | | | | HISTORIC | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| HLAKELAB | HISTORIC LAKE LAB TESTS | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CO2_LAB | Carbon dioxide | mg/l | Total | Actual | | | | | HISTORIC | |
| CO3-ALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | HISTORIC | |
| T-ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | HISTORIC | |
| T-CHLORIDE | Chloride | mg/l | Total | Actual | | | | | | |
| T-NO3_N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Calculated | | | | | HISTORIC | |
| T-ORTPO4 | Phosphorus, orthophosphate as P | mg/l | Total | Calculated | | | | | HISTORIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| T-SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | HISTORIC | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-001 | WQCD Lake Laboratory Analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG_DIS | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| AL_DIS | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| AS_DIS | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CD_DIS | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CHL_A | Chlorophyll a, corrected for pheophytin | mg/l | Non-filterable | Actual | | | | | CHL_A | |
| CL_TOT | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| CR_DIS | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| CU_DIS | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ECOLIMF24 | Escherichia coli | #/100ml | Total | Actual | | | | | 10029 | |
| ECOLIMPN | Escherichia coli | #/100ml | Total | Actual | | | | | 9223-B | |
| FE_DIS | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| FE_TREC | Iron | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| FL_DIS | Fluorides | mg/l | Dissolved | Actual | | | | | 4500-F-E | |
| HG_DIS | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| HRDNSLAB | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | 200.7(W) | |
| MN_DIS | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| N-KJEL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| N-NH3NH4 | Nitrogen, ammonia (NH3) + | mg/l | Total | Actual | | | | | 350.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | ammonium (NH4) | | | | | | | | | |
| N-NO5 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| P-ORTPO4 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.2 | |
| PB_DIS | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| PHOS_TOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SE_DIS | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| SO4_TOT | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| T-ALCLAB | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320 | |
| TCOLIMPN | Total Coliform | #/100ml | Total | Actual | | | | | 9223-B | |
| TDS | Solids, Dissolved | mg/l | Filterable | Actual | | | | | 2540-C | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 2540-D | |
| U_DIS | Uranium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| ZN_DIS | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-002 | WQCD Lake Profile and Secchi | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND_US/CM | Specific conductance | uS/cm | Total | Actual | | | | | 120.1 | |
| COND_US/CM_AVG | Specific conductance | uS/cm | Total | Calculated | Mean | | | | 120.1 | |
| DO_MG/L_AVG | Dissolved oxygen (DO) | mg/l | | Calculated | Mean | | | | | |
| O2_DISS_MG/L | Dissolved oxygen (DO) | mg/l | | Actual | | | | | METER_1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH_FIELD_METER | pH | None | Total | Actual | | | | | METER_1 | |
| PH_FIELD_METER_AVG | pH | None | Total | Calculated | Mean | | | | METER_1 | |
| SECCHI_M | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI_DEPT H | |
| TEMP_WATER_DEG_C | Temperature, water | deg C | | Actual | | | | | METER_1 | |
| TEMP_WATER_DEG_C_AVG | Temperature, water | deg C | | Calculated | Mean | | | | METER_1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-003 | Lake Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH_FIELD_METER_AVG | pH | None | | Calculated | Mean | | | | 150.1 | |
| SECCHI_M | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI_DEPT H | |
| TEMP_WATER_DEG_C_AVG | Temperature, water | deg C | | Calculated | Mean | | | | 170.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LGFAIR | Legacy Air Field Measures | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00021 | Temperature, air | deg F | | Actual | | | | | HISTORIC | |
| 00042 | Elevation, MSL | ft | | Actual | | | | | 160.4 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 72000 | Elevation, land surface, MSL | ft | | Actual | | | | | 160.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|----------|--------|-----------|--------------|---------|
| LGFSSED | Legacy Sediment Field Measures | Field Msr/Obs | Sediment | | | | N |
| LGFSOIL | Legacy Soil Field Measures | Field Msr/Obs | Soil | | | | N |
| LGFWATER | Legacy Water Field Measures | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | HISTORIC | |
| 00011 | Temperature, water | deg F | | Actual | | | | | HISTORIC | |
| 00020 | Temperature, air | deg C | | Actual | | | | | HISTORIC | |
| 00045 | Precipitation | in | Total | Actual | | | 1 Day | | HISTORIC | |
| 00059 | Flow | gal/min | | Actual | | | | | 160.1 | |
| 00060 | Flow | cfs | | Actual | Mean | | 1 Day | | HISTORIC | |
| 00061 | Flow | cfs | | Actual | | | | | 160.1 | |
| 00065 | Stream stage height | ft | | Actual | | | | | 160.2 | |
| 00077 | Depth, Secchi Disk Depth | in | | Actual | | | | | HISTORIC | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | HISTORIC | |
| 00090 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | HISTORIC | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| 00098 | Depth | m | | Actual | | | | | HISTORIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00113 | Light Underwater Incident | ft-candles | | Actual | | | | | | |
| 00114 | Light Underwater Reflected | ft-candles | | Actual | | | | | HISTORIC | |
| 00200 | Light Incident | uE/m2/sec | | Actual | | | | | HISTORIC | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 160.4 | |
| 00400 | pH | None | | Actual | | | | | HISTORIC | |
| 00431 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | HISTORIC | |
| 30208 | Flow | cm3/sec | | Actual | | | | | 160.1 | |
| 50050 | Flow | mgd | | Actual | | | | | HISTORIC | |
| 82903 | Depth, bottom | m | | Actual | | | | | HISTORIC | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|------------|------------|-----------|--------------|---------|
| LGLBIO | Legacy Biological Lab Samples | Sample | Biological | Individual | | | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|----------|--------|-----------|--------------|---------|
| LGLSED | Legacy Sediment Lab Samples | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00626 | Nitrogen, organic | mg/kg | Total | Actual | | Dry | | | HISTORIC | |
| 01024 | Chromium | mg/kg | Total | Actual | | Wet | | | HISTORIC | |
| 01053 | Manganese | mg/kg | Total | Actual | | Dry | | | HISTORIC | |
| 01148 | Selenium | mg/kg | Total | Actual | | Dry | | | HISTORIC | |
| 78190 | Pentachlorobiphenyl | ug/kg | Total | Actual | | Dry | | | HISTORIC | |

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| | | | | | | | |
|----------------------------|--|---------------------------------|-----------------------|---------------|------------------|---------------------|---------------------|
| Group ID LGLSOIL | Group Name Legacy Soil Lab Samples | Field Activity Sample | Medium Soil | Intent | Community | Result Group | Habitat N |
|----------------------------|--|---------------------------------|-----------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01200 | Selenium | mg/kg | Total | Actual | | Dry | | | HISTORIC | |

| | | | | | | | |
|-----------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID LGLWATER | Group Name Legacy Water Lab Samples | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|-----------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00070 | Turbidity | JTU | | Actual | | | | | HISTORIC | |
| 00076 | Turbidity | FTU | | Actual | | | | | HISTORIC | |
| 00080 | Color, True | PCU | | Actual | | | | | HISTORIC | |
| 00095 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 160.4 | |
| 00096 | Salinity | ppt | Total | Actual | | | | 25 Deg C | HISTORIC | |
| 00142 | Hydrogen cyanide | ug/l | Total | Actual | | | | | HISTORIC | |
| 00156 | Isooctyl 2,4,5-T ester | ug/l | Total | Actual | | | | | HISTORIC | |
| 00300 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 160.4 | |
| 00301 | Dissolved oxygen saturation | % | | Calculated | | | | | HISTORIC | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | HISTORIC | |
| 00315 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 7 Day | 20 Deg C | HISTORIC | |
| 00316 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 8 Day | 20 Deg C | HISTORIC | |
| 00326 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 28 Day | 20 Deg C | HISTORIC | |
| 00335 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | 410.2 | |

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|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00350 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 14 Day | 20 Deg C | HISTORIC | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | 160.4 | |
| 00410 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | HISTORIC | |
| 00415 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| 00420 | Alkalinity, Hydroxide as CaCO3 | mg/l | | Actual | | | | | HISTORIC | |
| 00425 | Alkalinity, Bicarbonate as CaCO3 | mg/l | | Actual | | | | | HISTORIC | |
| 00440 | Bicarbonate | mg/l | Total | Actual | | | | | HISTORIC | |
| 00445 | Carbonate ion (CO3-2) | mg/l | Total | Actual | | | | | HISTORIC | |
| 00500 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| 00505 | Solids, Volatile | mg/l | Total | Actual | | | | | 160.4 | |
| 00515 | Solids, Fixed | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| 00535 | Solids, Volatile | mg/l | Suspended | Actual | | | | | 160.4 | |
| 00600 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | HISTORIC | |
| 00601 | Nitrogen ion (N) | mg/l | Suspended | Actual | | | | | 160.4 | |
| 00602 | Nitrogen ion (N) | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00608 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00610 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | HISTORIC | |
| 00612 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | HISTORIC | |
| 00613 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00618 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | HISTORIC | |

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|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00619 | Ammonia, unionized | mg/l | | Calculated | | | | | HISTORIC | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | HISTORIC | |
| 00628 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Suspended | Actual | | | | | HISTORIC | |
| 00629 | Nitrogen, organic | mg/l | Total | Actual | | | | | HISTORIC | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | HISTORIC | |
| 00635 | Nitrogen, Ammonia + Organic | mg/l | Total | Actual | | | | | | |
| 00640 | Nitrogen, inorganic | mg/l | Total | Actual | | | | | HISTORIC | |
| 00650 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00655 | Phosphorus, polyphosphate as PO4 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00660 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | HISTORIC | |
| 00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00667 | Phosphorus as P | mg/l | Suspended | Actual | | | | | HISTORIC | |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | HISTORIC | |
| 00685 | Carbon, Total Inorganic | mg/l | | Actual | | | | | HISTORIC | |
| 00720 | Cyanide | mg/l | Total | Actual | | | | | HISTORIC | |
| 00723 | Cyanide | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 00726 | Sodium chlorate | ug/l | Total | Actual | | | | | HISTORIC | |
| 00745 | Sulfide | mg/l | Total | Actual | | | | | HISTORIC | |
| 00746 | Sulfide | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00900 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | HISTORIC | |

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|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00910 | Calcium as CaCO3 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00915 | Calcium | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00916 | Calcium | mg/l | Total | Actual | | | | | HISTORIC | |
| 00921 | Magnesium | mg/l | Total | Actual | | | | | HISTORIC | |
| 00925 | Magnesium | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | HISTORIC | |
| 00929 | Sodium | mg/l | Total | Actual | | | | | HISTORIC | |
| 00930 | Sodium | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00937 | Potassium | mg/l | Total | Actual | | | | | HISTORIC | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | HISTORIC | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | HISTORIC | |
| 00946 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | HISTORIC | |
| 00953 | Fluorine | ug/l | Total | Actual | | | | | HISTORIC | |
| 00955 | Silica | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| 00979 | Cobalt | ug/l | Total | Actual | | | | | HISTORIC | |
| 00980 | Iron | ug/l | Total | Actual | | | | | HISTORIC | |
| 00998 | Beryllium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01000 | Arsenic | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | HISTORIC | |
| 01006 | Barium | ug/l | Suspended | Actual | | | | | HISTORIC | |
| 01022 | Boron | ug/l | Total | Actual | | | | | HISTORIC | |
| 01025 | Cadmium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01026 | Cadmium | ug/l | Suspended | Actual | | | | | HISTORIC | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01030 | Chromium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | HISTORIC | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01034 | Chromium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01040 | Copper | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01042 | Copper | ug/l | Total | Actual | | | | | HISTORIC | |
| 01045 | Iron | ug/l | Total | Actual | | | | | HISTORIC | |
| 01046 | Iron | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01047 | Iron, ferrous, Fe+2 | ug/l | Total | Actual | | | | | HISTORIC | |
| 01049 | Lead | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01050 | Lead | ug/l | Suspended | Actual | | | | | HISTORIC | |
| 01051 | Lead | ug/l | Total | Actual | | | | | HISTORIC | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | HISTORIC | |
| 01056 | Manganese | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01057 | Thallium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01059 | Thallium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01060 | Molybdenum | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | HISTORIC | |
| 01065 | Nickel | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | HISTORIC | |
| 01074 | Nickel | ug/l | Total | Actual | | | | | HISTORIC | |
| 01075 | Silver | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01079 | Silver | ug/l | Total | Actual | | | | | HISTORIC | |
| 01090 | Zinc | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01091 | Zinc | ug/l | Suspended | Actual | | | | | HISTORIC | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | HISTORIC | |
| 01094 | Zinc | ug/l | Total | Actual | | | | | HISTORIC | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | HISTORIC | |
| 01104 | Aluminum | ug/l | Total | Actual | | | | | HISTORIC | |
| 01106 | Aluminum | ug/l | Dissolved | Actual | | | | | HISTORIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01113 | Cadmium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01114 | Lead | ug/l | Total | Actual | | | | | HISTORIC | |
| 01118 | Chromium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01119 | Copper | ug/l | Total | Actual | | | | | HISTORIC | |
| 01123 | Manganese | ug/l | Total | Actual | | | | | HISTORIC | |
| 01129 | Molybdenum | ug/l | Total | Actual | | | | | HISTORIC | |
| 01145 | Selenium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | HISTORIC | |
| 01160 | Zirconium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 01501 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | HISTORIC | |
| 01502 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | | Actual | | | | | HISTORIC | |
| 01503 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | HISTORIC | |
| 01504 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | HISTORIC | |
| 03501 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | HISTORIC | |
| 03502 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | | Actual | | | | | HISTORIC | |
| 03503 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Dissolved | Actual | | | | | HISTORIC | |
| 03504 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Dissolved | Actual | | | | | HISTORIC | |
| 09503 | Radium-226 | pCi/L | Dissolved | Actual | | | | | HISTORIC | |
| 09504 | Radium-226 | pCi/L | Dissolved | Actual | | | | | HISTORIC | |
| 09505 | Radium-226 | pCi/L | Suspended | Actual | | | | | HISTORIC | |
| 22703 | Uranium | ug/l | Dissolved | Actual | | | | | HISTORIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31501 | Total Coliform | #/100ml | | Actual | | | | | 9222-B | |
| 31505 | Total Coliform | #/100ml | | Actual | MPN | | | | 9221-B | |
| 31613 | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| 31615 | Fecal Coliform | #/100ml | | Actual | MPN | | | | 9221-E | |
| 31616 | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| 31635 | Bacteria, iron+sulfur fixers | #/100ml | Total | Actual | | | | | HISTORIC | |
| 31672 | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | HISTORIC | |
| 31673 | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | HISTORIC | |
| 31679 | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | HISTORIC | |
| 32209 | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | HISTORIC | |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | HISTORIC | |
| 32730 | Phenols (mixture) | ug/l | Total | Actual | | | | | HISTORIC | |
| 38260 | MBAS (detergents, surfactants) | mg/l | | Actual | | | | | HISTORIC | |
| 39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | HISTORIC | |
| 39330 | Aldrin | ug/l | Total | Actual | | | | | HISTORIC | |
| 39360 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | HISTORIC | |
| 39365 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | HISTORIC | |
| 39370 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | HISTORIC | |
| 39380 | Dieldrin | ug/l | Total | Actual | | | | | HISTORIC | |
| 39390 | Endrin | ug/l | Total | Actual | | | | | 160.4 | |
| 39398 | Ethion | ug/l | Total | Actual | | | | | 160.4 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39400 | Toxaphene | ug/l | Total | Actual | | | | | 9222-B | |
| 39410 | Heptachlor | ug/l | Total | Actual | | | | | HISTORIC | |
| 39420 | Heptachlor epoxide | ug/l | Total | Actual | | | | | HISTORIC | |
| 39480 | Methoxychlor | ug/l | Total | Actual | | | | | HISTORIC | |
| 39530 | Malathion | ug/l | Total | Actual | | | | | HISTORIC | |
| 39540 | Parathion | ug/l | Total | Actual | | | | | HISTORIC | |
| 39570 | Diazinon | ug/l | Total | Actual | | | | | HISTORIC | |
| 39600 | Methyl parathion | ug/l | Total | Actual | | | | | HISTORIC | |
| 39730 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | HISTORIC | |
| 39740 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | HISTORIC | |
| 39760 | Silvex | ug/l | Total | Actual | | | | | HISTORIC | |
| 39782 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | HISTORIC | |
| 39786 | Trithion | ug/l | Total | Actual | | | | | HISTORIC | |
| 45634 | Hardness, Ca + Mg | mg/l | | Actual | | | | | HISTORIC | |
| 46460 | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | HISTORIC | |
| 46570 | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | HISTORIC | |
| 50060 | Chlorine | mg/l | Total | Actual | | | | | HISTORIC | |
| 70295 | Solids, Fixed | mg/l | Dissolved | Actual | | Dry | | | HISTORIC | |
| 70300 | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1 | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | HISTORIC | |
| 71830 | Hydroxide | mg/l | Total | Actual | | | | | HISTORIC | |
| 71890 | Mercury | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | HISTORIC | |
| 71901 | Mercury | ug/l | Total | Actual | | | | | HISTORIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 74010 | Iron | mg/l | Total | Actual | | | | | HISTORIC | |
| 82028 | Coliform/Strep Ratio, Fecal | ug/l | | Actual | | | | | HISTORIC | |
| 82079 | Turbidity | NTU | | Actual | | | | | HISTORIC | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| LOWCOL | Lower Colorado | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Escherichia coli | #/100ml | Total | Calculated | MPN | | | | 9221-B.1 | |
| | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | 200.7(W) | |
| | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | 350.1 | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|-------------------------------|-----------------------|-----------------|---------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Solids, Dissolved | mg/l | Filterable | Actual | | | | | 160.1 | |
| | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.2 | |
| Group ID | Group Name | Field Activity | Medium | Intent | | Community | | | Result Group | Habitat |
| NH3-N | Nitrogen-NH3-N | Sample | Water | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| NH3-N | Nitrogen, ammonia as N | mg/l | Total | Calculated | | | | | HISTORIC | |
| Group ID | Group Name | Field Activity | Medium | Intent | | Community | | | Result Group | Habitat |
| OXYSAT | Dissolved Oxygen Saturation | Field Msr/Obs | Water | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| OXYSAT | Dissolved oxygen saturation | % | | Calculated | | | | | HISTORIC | |
| Group ID | Group Name | Field Activity | Medium | Intent | | Community | | | Result Group | Habitat |
| POT DIS | potentially dissolved | Sample | Water | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AG_POTDIS | Silver | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| CD_POTDIS | Cadmium | ug/l | Pot. Dissolved | Actual | | | | | POT DISS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|------------------------------|----------------------------|
| CR_POTDIS | Chromium | ug/l | Pot. Dissolved | Actual | | | | | METAL2 POT DISS METAL1 | |
| CU-POTDIS | Copper | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| FE-POTDIS | Iron | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL1 | |
| MN_POTDIS | Manganese | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| PB_POTDIS | Lead | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| SE_POTDIS | Selenium | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| ZN-POTDIS | Zinc | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------------------|---|--------|--------|-----------|--------------|---------|
| RBP2_BDC | Rapid Bioassessment Protocol | Field Msr/Obs | Water | | | | N |
| Citations | | USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FLOW_CLASS | Flow, stream class (choice list) | | | | | | | | | |
| RBP2TURB | RBP2, Water Quality, Turbidity | | | | | | | | | |
| RBPTURB | Turbidity severity (choice list) Turbidity Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |

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| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| UNIONNH3 | Ammonia, Unionized | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NH3UNION | Ammonia, unionized | mg/l | Total | Calculated | | | | | HISTORIC | |
| N_NH3_N | Nitrogen, ammonia as N | mg/l | Total | Calculated | | | | | HISTORIC | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| WWTP | wwtp | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | | |
| | Chloride | mg/l | Total | Actual | | | | | | |
| | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Phosphorus, phosphate (PO4) as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Solids, Dissolved | mg/l | Total | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | | |
| | Cadmium | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| | Chromium | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL1 | |
| | Copper | ug/l | Pot. Dissolved | Actual | | | | | POT DISS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|------------------------------|----------------------------|
| | Iron | ug/l | Pot. Dissolved | Actual | | | | | METAL2 POT DISS METAL1 | |
| | Lead | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| | Manganese | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| | Selenium | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| | Silver | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| | Zinc | ug/l | Pot. Dissolved | Actual | | | | | POT DISS METAL2 | |
| | Aluminum | ug/l | Pot. Dissolved | Actual | | | | | | |
| | Arsenic | ug/l | Pot. Dissolved | Actual | | | | | | |
| | Nickel | | Pot. Dissolved | Actual | | | | | | |
| | Uranium | pCi/L | Pot. Dissolved | Actual | | | | | | |

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21DCBAWQ District of Columbia Dept of Health, Water Quality Division

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|---------------------------|-------------------------------|---------|
| CG-001 | RBP Habital assessment | Field Msr/Obs | | | | | Y |
| CG-002 | General station obervation | Field Msr/Obs | Water | | | | N |
| CG-003 | General Weather Obervation | Field Msr/Obs | Air | | | | N |
| CG-004 | Fish tissue metals | Sample | Biological | Tissue | | | N |
| CG-005 | Fish measure | Sample | Biological | Taxon Abundance | Fish/Nekton | Single Taxon Individuals | N |
| CG-006 | Water Chemistry -metals | Sample | Water | | | | N |
| CG-007 | Water Chemistry-Nutrients | Sample | Water | | | | N |
| CG-008 | River/Stream Plankton | Sample | Biological | Taxon Abundance | Phytoplankton/Zooplankton | Multi-Taxon Population Census | N |
| CG-009 | Data logger prob, water | Data Logger | Water | | | | N |

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21FLA

FL Dept. of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BACTERIA | Bacteria Sampling | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 31501 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| 31501A | Total Coliform | #/100ml | | Actual | | | | | 9222-B | |
| 31616 | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| 31616A | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METALS | Metals Analyses | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00916 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00929 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00937 | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01012 | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01022 | Boron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01059 | Thallium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01082 | Strontium | ug/l | Total | Actual | | | | | | |
| 01087 | Vanadium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01102 | Tin | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01152 | Titanium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 1027A | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| MRSHNUT | Marshal Cr Nutrient Data | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 3 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 4 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 5 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 6 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | EPA 415.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| RAAGALGA | RAAG Algal Measurements | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-G | |
| 32211A | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| 32218 | Pheophytin-a | ug/l | | Actual | | | | | 10200-G | |
| 32223 | Chlorophyll a, uncorrected for pheophytin | mg/m2 | | Actual | | | | | 10200-H | |
| 32224 | Pheophytin-a | mg/m2 | | Actual | | | | | | |
| 71260 | Phytoplankton | count | | Actual | | | | | 10200-F | |
| 85209 | Algal growth potential | mg/l | | Actual | | | 14 Day | | EPA600/9-78-018 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| RAAGFM | RAAG Field Measurements | Field Msr/Obs | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 4.00000 - 40.00000 deg C | | | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | 170.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00021 | Temperature, air | deg F | | Actual | | | | | 170.1 | |
| 00035 | Wind velocity | mph | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00055 | Velocity - stream | ft/sec | | Actual | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| | Acceptable Range | 1.00000 - 60,000.00000 umho/cm | | | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.1 | |
| 00301 | Dissolved oxygen saturation | % | Dissolved | Calculated | | | | | 360.1 | |
| 00400 | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 2.00000 - 10.00000 None | | | | | | | | |
| 00480 | Salinity | ppt | | Actual | | | | | 2520-B | |
| 1 | Cloud cover (choice list) | | | | | | | | | |
| 2 | Tide stage (choice list) | | | | | | | | | |
| 3 | Flow, severity (choice list) | | | | | | | | | |
| 72016 | Depth, bottom | ft | | Actual | | | | | | |
| 82903 | Depth, bottom | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| RAAGJLM | RAAG Jax Lab Measurements | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.10000 - 1,000.00000 NTU | | | | | | | | |
| 00081 | Color, Apparent | PCU | | Actual | | | | | 110.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance Acceptable Range | umho/cm 1.00000 - 60,000.00000 umho/cm | | Actual | | | | 25 Deg C | 120.1 | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | 405.1 | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| 00535 | Solids, Volatile | mg/l | Volatile | Actual | | | | | 2540-E | |
| 00540 | Solids, Fixed | mg/l | Fixed | Actual | | | | | 2540-E | |
| 70300 | Solids, Dissolved | mg/l | Fixed | Actual | | | | | 2540-E | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RAAGNUT | RAAG Nutrient Measurements | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 2 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 4 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 5 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| STREAM | Stream Level | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Flow, severity (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| TALLANLY | Tallahassee Lab Analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ABC | ABC Research Coliform | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FCAED | Fecal Coliform | #/100ml | Total | Actual | | | | | 9221-C | |
| FCED | Fecal Coliform | #/100ml | Total | Actual | | | | | 9221-C | |
| FCMAX | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| FCMFX | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-E | |
| TC-EC | Total Coliform | #/100ml | Total | Actual | | | | | 9221-C | |
| TCED | Total Coliform | #/100ml | Total | Actual | | | | | 9221-C | |
| TCMFX | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------------------|------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| STL | stl | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1-1-1-2-TETRACHLORO | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | 8260B | |
| 1-1-1-TRICHLOROETHAN | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 8260B | |
| 1-1-2-2-TETRACHLORO | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 8260B | |
| 1-1-2-TRICHLOROETHAN | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 8260B | |
| 1-1-DICHLOROETHANE | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 8260B | |
| 1-1- | Dichloroethene (all isomers) | ug/l | Total | Actual | | | | | 8260B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DICHLOROETHENE | | | | | | | | | | |
| 1-1-DICHLOROPROPYLENE | Dichloropropylene | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-3-TRICHLOROBENZENE | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-3-TRICHLOROPROpane | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-4-TRICHLOROBENZENE | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 8270B(W) | |
| 1-2-4-TRIMETHYLBENZENE | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-DIBROMO-3-CHLORO | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-DICHLOROBENZENE | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-DICHLOROETHANE | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 8260B | |
| 1-2-DICHLOROPROpane | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 8260B | |
| 1-3-5-TRIMETHYLBENZENE | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | 8260B | |
| 1-3-DICHLOROBENZENE | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 8260B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1-3-DICHLOROPROPANE | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | 8260B | |
| 1-4-DICHLOROBENZENE | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 8260B | |
| 1-4-DIOXANE | Dioxane, 1,4- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-2-DICHLOROPROPANE | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | 8260B | |
| 2-4-5-TRICHLOROPHENOL | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-4-6-TRICHLOROPHENOL | 2,4,6-Trichlorophenol (TCP) | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-4-DICHLOROPHENOL | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-4-DIMETHYLPHENOL | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-4-DINITROPHENOL | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-4-DINITROTOLUENE | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-6-DINITROTOLUENE | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-CHLORONAPHTHALENE | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-CHLOROPHENOL | Chlorophenol-2 | ug/l | Total | Actual | | | | | 8270B(W) | |

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|----------------------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2-CHLOROTOLUENE | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | 8260B | |
| 2-METHYLNAPHTHALENE | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | 8260B | |
| 2-NITROANILINE | Nitroaniline, 2- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 2-NITROPHENOL | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 3-3'-DICHLOROBENZIDI | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 3-METHYLPHENOL/4-MET | Cresol | ug/l | Total | Actual | | | | | 8270B(W) | |
| 4-BROMOPHENYLPHENYL | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270B(W) | |
| 4-CHLORO-3-METHYLPHE | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| 4-CHLOROANILINE | Chloroaniline, 4- | ug/l | Total | Actual | | | | | 8270B(W) | |
| 4-CHLOROPHENYLPHENYL | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270B(W) | |
| 4-CHLOROTOLUENE | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | 8260B | |
| 4-NITROANILINE | p-Nitroaniline | ug/l | Total | Actual | | | | | 8270B(W) | |
| 4-NITROPHENOL | p-Nitrophenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| ACENAPHTHENE | Acenaphthene | ug/l | Total | Actual | | | | | 8270B(W) | |
| ACENAPHTHYLENE | Acenaphthylene | ug/l | Total | Actual | | | | | 8270B(W) | |

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|----------------------|---|------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKALINITY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 310.1 | |
| ALKALINITY (TO PH 4. | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l CaCO3 | Total | Actual | | | | | 2320 | |
| ALUMINUM | Aluminum | mg/l | Total | Actual | | | | | 200.8(W) | |
| AMMONIA-N | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | |
| ANTHRACENE | Anthracene | ug/l | Total | Actual | | | | | 8270B(W) | |
| ARSENIC | Arsenic | mg/kg | Total | Actual | | | | | 6010A | |
| BENZENE | Benzene | ug/l | Total | Actual | | | | | 8260B | |
| BENZIDINE | Benidine | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZO(A)ANTHRACENE | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZO(A)PYRENE | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZO(B)FLUORANTHENE | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZO(G-H-I)PERYLENE | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZO(K)FLUORANTHENE | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZOIC ACID | Benzoic acid | ug/l | Total | Actual | | | | | 8270B(W) | |
| BENZYL ALCOHOL | Benzyl alcohol | ug/l | Total | Actual | | | | | 8270B(W) | |
| BIS(2-CHLOROETHOXY)M | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 8270B(W) | |
| BIS(2-CHLOROETHYL)E | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 8270B(W) | |
| T | | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BIS(2-ETHYLHEXYL)PHT | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 8270B(W) | |
| BROMOCHLORO METHANE | Chlorobromomethane | ug/l | Total | Actual | | | | | 8260B | |
| BROMODICHLOR OMETHANE | Dichlorobromomethane | ug/l | Total | Actual | | | | | 8260B | |
| BROMOFORM | Bromoform | ug/l | Total | Actual | | | | | 8260B | |
| BROMOMETHANE (METHYL | Methyl bromide | ug/l | Total | Actual | | | | | 8260B | |
| BUTYLBENZYLPH THALATE | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 8270B(W) | |
| CALCIUM | Calcium | mg/l | Total | Actual | | | | | 6010B | |
| CARBON TETRACHLORIDE | Carbon tetrachloride | ug/l | Total | Actual | | | | | 8260B | |
| CHLORIDE | Chloride | mg/l | Dissolved | Actual | | | | | 325.2 | |
| CHLOROBENZENE | Chlorobenzene | ug/l | Total | Actual | | | | | 8260B | |
| CHLOROETHANE | Chloroethane | ug/l | Total | Actual | | | | | 8260B | |
| CHLOROFORM | Chloroform | ug/l | Total | Actual | | | | | 8260B | |
| CHLOROMETHANE | Methyl chloride | ug/l | Total | Actual | | | | | 8260B | |
| CHLOROPHYLL-A | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| CHRYSENE | Chrysene | ug/l | Total | Actual | | | | | 8270B(W) | |
| CIS-1-2-DICHLOROETHE | Dichloroethene (all isomers) | ug/l | Total | Actual | | | | | 8260B | |
| CIS-1-3-DICHLOROPROP | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 8260B | |
| COLOR-APPARENT | Color, Apparent | PCU | | Actual | | | | | 2120-B | |
| COLOR- TRUE | Color, True | PCU | Total | Actual | | | | | 110.2 | |

Characteristic Group Details

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21FLACEP

Alachua County Environmental Protection Department (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------------------|---------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DIBENZO(A-H)ANTHRACE | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 8270B(W) | |
| DIBENZOFURAN | Dibenzofuran | ug/l | Total | Actual | | | | | 8270B(W) | |
| DIBROMOCHLOROMETHANE | Chlorodibromomethane | ug/l | Total | Actual | | | | | 8260B | |
| DIBROMOMETHANE | Dibromomethane | ug/l | Total | Actual | | | | | 8260B | |
| DICHLORODIFLUOROMETHANE | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | 8260B | |
| DIETHYLPHTHALATE | Diethyl phthalate | ug/l | Total | Actual | | | | | 8270B(W) | |
| DIMETHYLPHTHALATE | Dimethyl phthalate | ug/l | Total | Actual | | | | | 8270B(W) | |
| EDB | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 8260B | |
| ETHYLBENZENE | Ethylbenzene | ug/l | Total | Actual | | | | | 8260B | |
| FECAL COLIFORM MT | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| FECAL COLIFORM MT | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9221-E | |
| FLOURIDE | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| FLUORANTHENE | Fluoranthene | ug/l | Total | Actual | | | | | 8270B(W) | |
| FLUORENE | Fluorene | ug/l | Total | Actual | | | | | 8270B(W) | |
| FORMALDEHYDE | Formaldehyde | ug/l | Total | Actual | | | | | 8270B(W) | |
| HEXACHLOROBENZENE | Hexachlorobenzene | ug/l | Total | Actual | | | | | 8270B(W) | |
| HEXACHLOROBUTADIENE | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 8260B | |
| HEXACHLOROCYCLOPENTADIENE | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 8270B(W) | |
| HEXACHLOROETHANE | Hexachloroethane | ug/l | Total | Actual | | | | | | |

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Alachua County Environmental Protection Department (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INDENO(1-2-3-CD)PYRE | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 8270B(W) | |
| IRON | Iron | mg/l | Total | Actual | | | | | 6010A | |
| ISOPHORONE | Isophorone | ug/l | Total | Actual | | | | | 8270B(W) | |
| LEAD | Lead | mg/l | Total | Actual | | | | | 6010B | |
| M&P-XYLENE | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 8260B | |
| MAGNESIUM | Magnesium | mg/l | Total | Actual | | | | | 6010B | |
| MERCURY | Mercury | mg/l | Total | Actual | | | | | 7470A | |
| METHYLENE CHLORIDE | Dichloromethane | ug/l | Total | Actual | | | | | 8260B | |
| N-BUTYLBENZENE | Butyl benzene | ug/l | Total | Actual | | | | | 8260B | |
| N-NITROSODIMETHYLAMI | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 8270B(W) | |
| N-NITROSODIPHENYLAMI | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 8270B(W) | |
| N-PROPYLBENZENE | Propylbenzene, n- | ug/l | Total | Actual | | | | | 8260B | |
| NAPHTHALENE | Naphthalene | ug/l | Total | Actual | | | | | 8260B | |
| NITRATE + NITRITE-N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NITRATE-N | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NITROBENZENE | nitro-Benzene | ug/l | Total | Actual | | | | | 8270B(W) | |
| O-CRESOL | Cresol, o- | ug/l | Total | Actual | | | | | 8270B(W) | |
| O-XYLENE | Xylene, o- | ug/l | Total | Actual | | | | | 8260B | |
| ORGANIC CARBON | Carbon, organic | mg/l | Total | Actual | | | | | 415.1 | |
| ORTHO | Phosphorus, orthophosphate as | mg/l | Dissolved | Actual | | | | | 365.2 | |

Characteristic Group Details

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21FLACEP

Alachua County Environmental Protection Department (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|-------------------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHOSPHATE-P | P | | | | | | | | | |
| ORTHO PHOSPHATE-P-U | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.2 | |
| P-CYMENE | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | 8260B | |
| PENTACHLOROPHENOL | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 8270B(W) | |
| PHENANTHRENE | Phenanthrene | ug/l | Total | Actual | | | | | 8270B(W) | |
| PHENOL | Phenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| PHOSPHORUS-TOTAL | Phosphorus | mg/l | Total | Actual | | | | | 365.4 | 365.2/365.3 |
| POTASSIUM | Potassium | mg/l | Total | Actual | | | | | 6010B | |
| PYRENE | Pyrene | ug/l | Total | Actual | | | | | 8270B(W) | |
| SEC-BUTYLBENZENE | Butylbenzene, sec- | ug/l | Total | Actual | | | | | 8260B | |
| SILICON | Silicon as Si | mg/l | Total | Actual | | | | | 6010A | |
| SILVER | Silver | mg/l | Total | Actual | | | | | 6010B | |
| SODIUM | Sodium | mg/l | Total | Actual | | | | | 6010A | |
| SPECIFIC CONDUCTANCE | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |
| STYRENE | Styrene | ug/l | Total | Actual | | | | | 8260B | |
| SULFATE AS SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 375.4 | |
| TERT-BUTYLBENZENE | Butylbenzene, tert- | ug/l | Total | Actual | | | | | 8260B | |
| TETRACHLOROETHENE | Tetrachloroethylene | ug/l | Total | Actual | | | | | 8260B | |
| TOLUENE | Toluene | ug/l | | Actual | | | | | 8260B | |
| TOTAL COLIFORM MT | Total Coliform | cfu/100ml | Total | Actual | | | | | 9221-C | |
| TOTAL | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1 | |

Characteristic Group Details

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Alachua County Environmental Protection Department (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DISSOLVED SOLI | | | | | | | | | | |
| TOTAL KJELDAHL NITRO | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | 351.2 |
| TOTAL NITROGEN | Nitrogen ion (N) | mg/l | Total | Actual | | | | | NTOT | |
| TRANS-1-2-DICHLOROET | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 8260B | |
| TRANS-1-3-DICHLOROPR | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 8260B | |
| TRICHLOROETHENE | Trichloroethylene | ug/l | Total | Actual | | | | | 8260B | |
| TRICHLOROFLUOROMETHA | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 8260B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| VINYL CHLORIDE | Vinyl chloride | ug/l | Total | Actual | | | | | 8260B | |

Characteristic Group Details

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FL Dept. of Environmental Protection

| | | | | | | | |
|-----------------|----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BFAFIELD | BFA Field Parameters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Estimated | | | | | | |
| 00035 | Wind velocity | mph | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00090 | Oxidation reduction potential (ORP) | mV | Total | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | Total | Actual | | | | 25 Deg C | | |
| 00299 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| 00400 | pH | None | Total | Actual | | | | 25 Deg C | STANDARDME TH | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BFALAB | BFA Laboratory Analysis | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | Total | Actual | | | | | STANDARDME TH | |
| 00080 | Color, True | PCU | | Actual | | | | | STANDARDME TH | |
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | | |

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FL Dept. of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | STANDARDME TH | |
| 00530 | Solids, Fixed | mg/l | Total | Actual | | | | | STANDARDME TH | |
| 00619 | Ammonia, unionized | mg/l | Total | Actual | | | | | | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | DIG-TKN-TP |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | DIG-TKN-TP |
| 31501 | Total Coliform | #/100ml | Total | Actual | | | | | STANDARDME TH | |
| 31616 | Fecal Coliform | #/100ml | | Actual | | | | | STANDARDME TH | |
| 31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | ENT | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | STANDARDME TH | |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | STANDARDME TH | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------------------|---|--------|--------|-----------|--------------|---------|
| BFATEST | BFA Water Quality Testing | Field Msr/Obs | Water | | | | N |
| Description | | Water Quality Parameters for Ambient Monitoring | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Estimated | | | | | | |
| 00035 | Wind velocity | mph | | Estimated | | | | | | |

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FL Dept. of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Estimated | | | | | | |
| 00076 | Turbidity | NTU | | Actual | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00080 | Color, True | PCU | | Actual | | | | | | |
| 00090 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |
| 00095 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 00301 | Dissolved oxygen saturation | % | | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | STANDARDME TH | |
| 00400 | pH | None | | Actual | | | | | | |
| 00480 | Salinity | ppt | | Actual | | | | | | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | STANDARDME TH | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | | |
| 00625 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| 00665 | Phosphorus as P | mg/l | | Actual | | | | | | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| 31501 | Total Coliform | #/100ml | | Estimated | | | | | STANDARDME TH | |
| 31616 | Fecal Coliform | #/100ml | | Estimated | | | | | STANDARDME TH | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | Non-filterable | Actual | | | | | STANDARDME TH | |

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FL Dept. of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Non-filterable | Actual | | | | | STANDARDME TH | |

Characteristic Group Details

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21FLBROW

Broward Co Dept of Natural Resource Protection (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-002 | Quarterly Canal Field Tests | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| 2 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 360.1 | |
| 3 | pH | None | Total | Actual | | | | | 150.1 | |
| 4 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| 5 | Salinity | ppt | Total | Actual | | | | | 2520-B | |
| | Acceptable Range | 0.00000 - 55.00000 ppt | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-003 | Canal Bacteria | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | P001 |
| 2 | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | P001 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-004 | CANAL NUTRIENTS & TOC | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 2 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 3 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | 350.1 | |

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21FLBROW

Broward Co Dept of Natural Resource Protection (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 5 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-005 | CANAL ORTHOPHOSPHATE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| CG-006 | PIGMENTS | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chlorophyll a, corrected for pheophytin | mg/m3 | Filterable | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 200.00000 mg/m3 | | | | | | | | |
| 2 | Pheophytin-a | mg/m3 | Filterable | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 200.00000 mg/m3 | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CG-007 | CANAL TURBIDITY | Sample | Water | | | | N |

Characteristic Group Details

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21FLBROW

Broward Co Dept of Natural Resource Protection (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Turbidity | NTU | | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| CG-008 | Copper | Sample | Water | | | | N |

Citations USEPA, 1996, Method 1637: Determination of Trace Elements in Ambient Waters by Chelation Preconcentration with GFAA., USEPA, EPA 821/R-96-004

Description Trace metals (copper) - MIBK Extraction, GFAA Analysis. Used for the determination of TMDLs by Florida Department of Environmental Protection.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Copper | ug/l | Total | Actual | | | | | 220.2 | P004 |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |

Characteristic Group Details

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21FLCBA

Choctawhatchee Basin Alliance (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD | ANALYTES MEASURED IN THE FIELD | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| %S-1 | Dissolved oxygen saturation | % | Total | Actual | | | | | | |
| %S-2 | Dissolved oxygen saturation | % | Total | Actual | | | | | | |
| D1 | Depth | ft | | Actual | | | | | | |
| D2 | Depth | ft | | Actual | | | | | | |
| DO-1 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| DO-2 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| PH1 | pH | None | Total | Actual | | | | | | |
| PH2 | pH | None | Total | Actual | | | | | | |
| S.D. | Depth, Secchi Disk Depth | ft | | Actual | | | | | | |
| S1 | Salinity | ppt | Total | Actual | | | | | | |
| S2 | Salinity | ppt | Total | Actual | | | | | | |
| SD_READ | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| T1 | Temperature, water | deg F | | Actual | | | | | | |
| T2 | Temperature, water | deg F | | Actual | | | | | | |
| TR1 | Turbidity | NTU | | Actual | | | | | | |
| TR2 | Turbidity | NTU | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAB | ANALYTES TESTED IN LAB | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for | ug/l | Total | Actual | | | | | 10200-H | |

Characteristic Group Details

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21FLCBA

Choctawhatchee Basin Alliance (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pheophytin | | | | | | | | | |
| TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | ug/l | Total | Actual | | | | | 4500-NO3(F) | |
| TP | Phosphorus as P | ug/l | Total | Actual | | | | | LAKEWATCH_ TP | |

Characteristic Group Details

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21FLCEN

Florida Department of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------------------|--|--------|--------|-----------|--------------|---------|
| BACTERIA | E. coli and Enterococci | Sample | Water | | | | N |
| Citations | | USEPA, 1985, Test Method for E. Coli and Enterococci in Water by the Membr. Filter Procedure, Methods 1103.1 and 1106.1, USEPA, EPA 600/4-85-076 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31648 | Escherichia | #/100ml | Total | Actual | | | | | HISTORICAL | |
| 31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| DISTRICT | Analyzed by District Lab | Sample | Water | | | | N |

Description This group consists of water quality parameters analyzed by the Central District Laboratory.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31501 | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| | Acceptable Range | 1.00000 - 4,000.00000 #/100ml | | | | | | | | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 1.00000 - 4,000.00000 #/100ml | | | | | | | | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| 32218 | Pheophytin-a | ug/l | Total | Actual | | | | | 10200-H | |
| 400 | pH | None | | Actual | | | | | 150.1 | |
| 410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 2.00000 - 500.00000 mg/l | | | | | | | | |
| 46460 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| 671 | Phosphate | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 80 | Color, True | PCU | | Actual | | | | | 110.2 | |
| | Acceptable Range | 5.00000 - 40.00000 PCU | | | | | | | | |
| 82079 | Turbidity | NTU | | Actual | | | | | 180.1 | |

Characteristic Group Details

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Florida Department of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|--------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.10000 - 20.00000 NTU | | | | | | | | | |
| 900 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | | |
| | BOD, Biochemical oxygen demand | | | | | | | | | | |
| | Chloride | | | | | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD | HydroLab Measurements | Field Msr/Obs | Water | | | | N |

Description This group contains water quality measurements performed in-field by multi-probe instrument.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth, bottom | m | | Actual | | | | | | |
| 10 | Temperature, water | deg C | | Actual | | | | | | |
| 299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 400 | pH | None | | Actual | | | | | | |
| 480 | Salinity | ppt | | Actual | | | | | | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 94 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| METALS-1 | Metals Analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/l | Total | Actual | | | | | | |

Characteristic Group Details

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Florida Department of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CU | Copper | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| FE | Iron | ug/l | Total Recovrble | Actual | | | | | | |
| MG | Magnesium | mg/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| MN | Manganese | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| NI | Nickel | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| PB | Lead | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| ZN | Zinc | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| METALS-2 | Metals Analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 916 | Calcium | mg/l | Total Recovrble | Actual | | | | | | |
| 927 | Magnesium | mg/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| 929 | Sodium | mg/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| 937 | Potassium | mg/l | Total Recovrble | Actual | | | | | | |

Characteristic Group Details

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Florida Department of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| OTHER | catch-all category | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|----------|--------|-----------|--------------|---------|
| PARTCLSZ | Particle Size | Sample | Sediment | | | | N |

Description This group contains analyses for sediment particle size and performed by the Central Laboratory in Tallahassee.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------|-----------------|------------|----------------------------|--------------|--------------------------------------|------------|---------------------|----------------------------|
| 80250 | Particle distribution | % by wt | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by wt | | Particle Size Basis | | laser measurement (<0.063mm) | | | |
| 80251 | Particle distribution | % by wt | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by wt | | Particle Size Basis | | laser measurement (0.063 - 0.125 mm) | | | |
| 80252 | Particle distribution | % by wt | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by wt | | Particle Size Basis | | laser measurement (0.125 - 0.25 mm) | | | |
| 80253 | Particle distribution | % by wt | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by wt | | Particle Size Basis | | laser measurement (0.25-0.5mm) | | | |
| 80254 | Particle distribution | % by wt | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by wt | | Particle Size Basis | | laser measurement (0.5-2.0mm) | | | |
| 80256 | Particle distribution | % by wt | | Actual | | Dry | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by wt | | Particle Size Basis | | laser measurement (>2.0 mm) | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| TALLAB | Analyzed by Tallahassee Lab | Sample | Water | | | | N |

Description This group consists of nutrient analyses performed by the Central Laboratory in Tallahassee.

Characteristic Group Details

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Florida Department of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| 625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 665 | Phosphorus | mg/l | Total | Actual | | | | | | |
| 85209 | Algal growth potential | mg/l | | Actual | | | | | | |
| 940 | Chloride | mg/l | Total | Actual | | | | | | |
| 945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| WEATHER | Weather conditions at site | Field Msr/Obs | Air | | | | N |

Description This group contains parameters for atmospheric observations and measurements at time of sampling event.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Temperature, air | deg C | | Actual | | | | | | |
| 32 | Cloud cover (choice list) | | | | | | | | | |
| 35 | Wind velocity | mph | | Estimated | | | | | | |
| 36 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Estimated | | | | | | |
| | Cloud type (choice list) | | | | | | | | | |

Characteristic Group Details

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21FLCHAR FDEP Charlotte Harbor Aquatic/Buffer Preserves

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-FIELD | Field Parameters | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 10 | Temperature, water | deg C | | Actual | | | | | | |
| 299 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | SM 4500-OC | |
| 480 | Salinity | ppt | Total | Actual | | | | | | |
| 76 | Stream stage height | ft | | Actual | | | | | | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-LAB | Laboratory Parameters | Sample | Water | | | | N | | | |
| Description | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 31616 | Fecal Coliform | #/100ml | Total | Estimated | | | | | SM 9222D | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Calculated | | | | | SM 10200H | |
| 600 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | EPA 351.2+353.2 | |
| 665 | Phosphorus as P | mg/l | Total | Calculated | | | | | 365.4 | |
| 81 | Color, True | PCU | | Estimated | | | | | SM 2121B | |

Characteristic Group Details

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21FLCMP

FL Dept. of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-FLD | Field Parameters | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Actual | | | | | | |
| 00035 | Wind velocity | mph | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | CHEMETSDO | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-LAB | Laboratory Analysis | Sample | Water | | | | N |

Description Water quality parameters from laboratory analysis-Lab ID 31887 (NELAC Certificate No.)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | | Actual | | | | | STANDARDME THODS | |
| 00080 | Color, True | PCU | | Actual | | | | | CHEM | |
| 00095 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | STANDARDME THODS | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | 20 Deg C | STANDARDME THODS | |
| 00403 | pH | None | | Actual | | | | 25 Deg C | STANDARDME THODS | |
| | Acceptable Range | 6.50000 - 8.50000 None | | | | | | | | |

Characteristic Group Details

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21FLCMP

FL Dept. of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00480 | Salinity | ppt | Total | Actual | | | | | CHEM | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Dry | | | STANDARDME THODS | |
| 00625 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 351.2 | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | | Actual | | | | | 365.3 | |
| 31616 | Fecal Coliform | #/100ml | Total | Estimated | | | 24 Hours | | STANDARDME THODS | |
| | Acceptable Range | 0.00000 - 800.00000 #/100ml | | | | | | | | |
| 31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | ENT | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | STANDARDME THODS | |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | STANDARDME THODS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| TKN | tkn | Field Msr/Obs | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00625 | Nitrogen, Kjeldahl | ppm | Total | Actual | | | | | | |

Characteristic Group Details

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21FLCOLL

Collier County Pollution Control (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ANALYTES | LABORATORY ANALYTES | Sample | Water | | | | N | | | |
| Citations | | Gail G. Gibson, Raymond Smith, 1995, Comprehensive Quality Assurance Plan, Collier County Government Pollution Control Department, Volume 1 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00076 | Turbidity | NTU | | Actual | | | | | LKTRAFF | |
| 00084 | Color, True | PCU | | Actual | | | | | LKTRAFF | |
| 00095 | Specific conductance | umho/cm | | Actual | | | | | LKTRAFF | |
| 00301 | Dissolved oxygen saturation | mg/l | Dissolved | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | LKTRAFF | |
| 00403 | pH | None | | Actual | | | | | LKTRAFF | |
| 00410 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00430 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | LKTRAFF | |
| 00449 | Bicarbonate | mg/l | | Actual | | | | | | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | LKTRAFF | |
| 00600 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | | |
| 00605 | Nitrogen, organic | mg/l | | Actual | | | | | | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | LKTRAFF | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | LKTRAFF | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | LKTRAFF | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 00640 | Nitrogen, inorganic | mg/l | | Actual | | | | | | |
| 00650 | Phosphorus | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00660 | Phosphorus, orthophosphate as | mg/l | Filterable | Actual | | | | | LKTRAFF | |

Characteristic Group Details

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21FLCOLL

Collier County Pollution Control (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | PO4 | | | | | | | | | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| 00670 | Phosphorus, organic as P | mg/l | | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00916 | Calcium | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00929 | Sodium | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00937 | Potassium | mg/l | Total | Actual | | | | | | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | LKTRAFF | |
| 00955 | Silicate | mg/l | | Actual | | | | | LKTRAFF | |
| 00956 | Silicate | mg/l | | Actual | | | | | | |
| 01000 | Arsenic | ug/l | Dissolved | Actual | | | | | LKTRAFF | |
| 01022 | Arsenic | ug/l | Total | Actual | | | | | LKTRAFF | |
| 01025 | Cadmium | ug/l | Dissolved | Actual | | | | | LKTRAFF | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | LKTRAFF | |
| 01030 | Chromium | ug/l | Dissolved | Actual | | | | | LKTRAFF | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | LKTRAFF | |
| 01040 | Copper | ug/l | Dissolved | Actual | | | | | LKTRAFF | |
| 01042 | Copper | ug/l | Total | Actual | | | | | LKTRAFF | |
| 01045 | Iron | mg/l | Total | Actual | | | | | LKTRAFF | |
| 01049 | Lead | ug/l | Dissolved | Actual | | | | | LKTRAFF | |
| 01051 | Lead | ug/l | Total | Actual | | | | | LKTRAFF | |
| 01090 | Zinc | ug/l | Dissolved | Actual | | | | | | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | | |
| 01100 | Tin | ug/l | Dissolved | Actual | | | | | LKTRAFF | |

Characteristic Group Details

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21FLCOLL

Collier County Pollution Control (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31501 | Total Coliform | #/100ml | Total | Actual | | | | | LKTRAFF | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | LKTRAFF | |
| 31626 | Streptococcus | #/100ml | Total | Actual | | | | | LKTRAFF | |
| 46570 | Hardness, carbonate | mg/l | Total | Actual | | | | | LKTRAFF | |
| 49125 | Chlorophyll a, corrected for pheophytin | mg/m3 | | Actual | | | | | LKTRAFF | |
| 49179 | Nitrogen, ammonium (NH4) as NH4 | mg/l | | Actual | | | | | | |
| 70300 | Solids, Dissolved | mg/l | | Actual | | | | | LKTRAFF | |
| 71890 | Mercury | ug/l | Dissolved | Actual | | | | | LKTRAFF | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | LKTRAFF | |
| 82076 | Turbidity | NTU | | Actual | | | | | | |
| 85581 | Pheophytin-a | mg/m3 | | Actual | | | | | LKTRAFF | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| FIELD | FIELD OBSERVATIONS | Field Msr/Obs | Water | | | | N |
| Citations | Gail G. Gibson, Raymond Smith, 1995, Comprehensive Quality Assurance Plan, Collier County Government Pollution Control Department, Volume 1 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | LKTRAFF | |
| 00060 | Flow | cfs | | Actual | | | | | LKTRAFF | |
| 00065 | Elevation, water surface, MSL | ft | | Actual | | | | | LKTRAFF | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | LKTRAFF | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | LKTRAFF | |
| 00098 | Depth | m | | Actual | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | LKTRAFF | |

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Collier County Pollution Control (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00400 | pH | None | | Actual | | | | | | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | LKTRAFF | |
| 00406 | pH | None | | Actual | | | | | LKTRAFF | |
| 00480 | Salinity | ppt | | Actual | | | | | LKTRAFF | |
| 47501 | Weather Comments (text) | | | | | | | | LKTRAFF | |
| 82903 | Depth, bottom | m | | Actual | | | | | | |
| 84141 | Lake condition (choice list) | | | | | | | | LKTRAFF | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------------|--|----------|--------|-----------|--------------|---------|
| SEDIMENT | SEDIMENT ANALYTES | Sample | Sediment | | | | N |
| Citations | | USEPA, 1992, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update I., USEPA, SW-846_I | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ABHC | BHC-alpha | ug/kg | Total | Actual | | | | | LKTRAFF | |
| ACETHENE | Acenaphthene | ug/kg | | Actual | | | | | LKTRAFF | |
| ALDRIN | Aldrin | ug/kg | | Actual | | | | | LKTRAFF | |
| ANTHRACE | Anthracene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| ATHYLENE | Acenaphthylene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| AZINPHOS | Azinphos-ethyl | ug/kg | Total | Actual | | | | | LKTRAFF | |
| BBHC | BHC-beta | ug/kg | | Actual | | | | | LKTRAFF | |
| BENAANTH | Benzo[a]anthracene | ug/kg | Total | Actual | | | | | | |
| BENAPYRE | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| BENBFLUO | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| BENKFLUO | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| BGHIPERY | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| CHLORDAN | Chlordane | ug/kg | Total | Actual | | | | | LKTRAFF | |

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Collier County Pollution Control (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLPYRIF | Chlorpyrifos-methyl | ug/kg | Total | Actual | | | | | LKTRAFF | |
| CHRYSENE | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| DBHC | BHC-delta | ug/kg | | Actual | | | | | LKTRAFF | |
| DEMETON | Demeton | ug/kg | Total | Actual | | | | | LKTRAFF | |
| DIAZINON | Diazinon | ug/kg | Total | Actual | | | | | LKTRAFF | |
| DIBAHANT | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| DIELDRIN | Dieldrin | ug/kg | | Actual | | | | | LKTRAFF | |
| DISULFOT | Disulfoton | ug/kg | Total | Actual | | | | | LKTRAFF | |
| ENALDEHY | Endrin Aldehyde | ug/kg | | Actual | | | | | LKTRAFF | |
| ENDOSUL1 | Endosulfan, alpha- | ug/kg | | Actual | | | | | LKTRAFF | |
| ENDOSUL2 | Endosulfan, beta- | ug/kg | | Actual | | | | | LKTRAFF | |
| ENDRIN | Endrin | ug/kg | | Actual | | | | | LKTRAFF | |
| ESULFATE | Endosulfan Sulfate | ug/kg | | Actual | | | | | LKTRAFF | |
| ETHION | Ethion | ug/kg | Total | Actual | | | | | LKTRAFF | |
| FANTHENE | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| FLUORENE | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| GBHC | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | LKTRAFF | |
| HEPTCHLR | Heptachlor | ug/kg | | Actual | | | | | LKTRAFF | |
| HEPTEPOX | Heptachlor epoxide | ug/kg | | Actual | | | | | LKTRAFF | |
| INDPYREN | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| MALATHIO | Malathion | ug/kg | Total | Actual | | | | | LKTRAFF | |
| METHNAP1 | Methylnaphthalene, 1- | ug/kg | Total | Actual | | | | | LKTRAFF | |
| METHNAP2 | Methylnaphthalene, 2- | ug/kg | Total | Actual | | | | | LKTRAFF | |
| METHOXYC | Methoxychlor | ug/kg | | Actual | | | | | LKTRAFF | |
| NAPHTHAL | Naphthalene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PARAETHY | Parathion | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PARAMETH | Methyl parathion | ug/kg | Total | Actual | | | | | LKTRAFF | |

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Collier County Pollution Control (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB1016 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PCB1221 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PCB1232 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PCB1242 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PCB1248 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PCB1254 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PCB1260 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PHENANTH | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | LKTRAFF | |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ug/kg | | Actual | | | | | LKTRAFF | |
| PPDDE | DDE ***retired*** (use DDE, p,p') | ug/kg | | Actual | | | | | LKTRAFF | |
| PPDDT | DDT ***retired*** (use DDT, p,p') | ug/kg | | Actual | | | | | LKTRAFF | |
| PYRENE | Pyrene | ug/kg | Total | Actual | | | | | LKTRAFF | |
| SEDAG | Silver | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDAL | Aluminum | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDAS | Arsenic | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDCD | Cadmium | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDCR | Chromium | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDCU | Copper | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDFE | Iron | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDH2S | Hydrogen sulfide | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDMN | Manganese | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDNH3 | Nitrogen, ammonia (NH3) as NH3 | mg/kg | | Actual | | | | | LKTRAFF | |
| SEDNI | Nickel | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDORGC | Carbon, Total Organic (Toc) | mg/kg | Total | Actual | | | | | LKTRAFF | |

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Collier County Pollution Control (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SEDORGN | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDOSN | Tin | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDPB | Lead | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDSB | Antimony | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDSE | Selenium | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDSI | Silicon as Si | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDTL | Thallium | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDTPO4 | Phosphorus as P | mg/kg | Total | Actual | | | | | LKTRAFF | |
| SEDZN | Zinc | mg/kg | Total | Actual | | | | | LKTRAFF | |
| TOXAPHEN | Toxaphene | ug/kg | | Actual | | | | | LKTRAFF | |

Characteristic Group Details

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21FLDADE

Dade Environmental Resource Management (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|------------------------------|--------|--------|-----------|--------------|---------|
| DERM SOP | SOP | Sample | Water | | | | N |
| | Citations | DERM QAP, 1991, SOP, DERM, 1 | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| SOP | Field SOP | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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21FLEECO

Lee County (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NUTRIENT | Nutrients | Sample | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| NH3 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| NOX | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| O-PO4 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | 365.1 | |
| T-PO4 | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |

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Florida Department of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FIELD | field measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 10 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |
| 299 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 4500-O-G | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 400 | pH | None | Total | Actual | | | | | 4500-H | |
| | Acceptable Range | 1.00000 - 14.00000 None | | | | | | | | |
| 70300HYD | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 20.00000 m | | | | | | | | |
| 94 | Specific conductance | uS/cm | | Actual | | | | | 2510 | |
| | Acceptable Range | 0.00000 - 60,000.00000 uS/cm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| LAB | lab measurements | Sample | Water | | | | N |

Citations USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1002 | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| 1027 | Cadmium | ppb | Total | Actual | | | | | 200.8(W) | |
| 1034 | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 1042 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 1045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| 1051 | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |

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Florida Department of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1055 | Manganese | ppb | Total | Actual | | | | | 200.7(W) | |
| 1067 | Nickel | ppb | Total | Actual | | | | | 200.7(W) | |
| 1092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 1105 | Aluminum | ug/l | Total | Actual | | | | | 202.1 | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| 310 | BOD, nitrogenous | mg/l | Total | Actual | | | 5 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 31501 | Total Coliform | #/100ml | Filterable | Actual | | | 24 Hours | | 9222-B | |
| | Acceptable Range | 0.00000 - 5,000.00000 #/100ml | | | | | | | | |
| 31616 | Fecal Coliform | #/100ml | Filterable | Actual | | | 24 Hours | | 9222-D | |
| | Acceptable Range | 0.00000 - 1,000.00000 #/100ml | | | | | | | | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | Suspended | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 50.00000 ug/l | | | | | | | | |
| 32218 | Pheophytin-a | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| 39033 | Atrazine | ug/l | Total | Actual | | | | | 614 | |
| 39055 | Simazine | ug/l | Total | Actual | | | | | 614 | |
| 39398 | Ethion | ug/l | Total | Actual | | | | | 614 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 39530 | Malathion | ug/l | Total | Actual | | | | | 614 | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| 39570 | Diazinon | ug/l | Total | Actual | | | | | 614 | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| 400 | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 403 | pH | None | Total | Actual | | | | | | |
| 410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| 530 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | Wet | | | 160.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| 610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| 625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| 630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.3 | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| 665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| 665-PO4 | Phosphorus as PO4 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| 671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 70300 | Solids, Fixed | mg/l | Dissolved | Actual | | Wet | 24 Hours | | 2540-C | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| 71260D | Phytoplankton | count | Suspended | Actual | | | | | | |
| 71260W | Phytoplankton | count | Total | Actual | | | | | | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.2 | |
| 76 | Turbidity | NTU | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 500.00000 NTU | | | | | | | | |
| 78064 | Norflurazon | ug/l | Total | Actual | | | | | | |
| 80 | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| | Acceptable Range | 0.00000 - 800.00000 PCU | | | | | | | | |
| 81 | Color, Apparent | PCU | Total | Actual | | | | | 110.2 | |
| 82198 | Bromacil | ug/l | Total | Actual | | | | | 614 | |

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Florida Department of Environmental Protection

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 85209 | Algal growth potential | mg/l | Total | Actual | | | | | | |
| 916 | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 927 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 929 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 937 | Potassium | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 94 | Specific conductance | mS/cm | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 75,000.00000 mS/cm | | | | | | | | |
| 940 | Chloride | mg/l | Total | Actual | | | | | 4500-CL-(B) | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 951 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| ALPHA | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | | |
| BETA | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | | |

Characteristic Group Details

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21FLGCWW

Gilchrist County Well Watch (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| F001 | Field measurements | Field Msr/Obs | Water | | | | N |

Description Field instrument measurement

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | | | | | | | | | |
| | Dissolved oxygen (DO) | | | | | | | | | |
| | Specific conductance | | | | | | | | | |
| | Depth, Secchi Disk Depth | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| S001 | Well evaluation | Sample | Water | | | | N |

Description Coliform and nitrate sampling

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1.00000 | #/100ml | | | | | | | |
| 2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l - N | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 | mg/l - N | | | | | | | |
| 3 | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | | |
| 4 | pH | None | Total | Actual | | | | | | |
| 5 | Hardness, Ca + Mg | mg/l | | Actual | | | | | | |
| 6 | Nitrogen, Nitrite (NO2) as NO2 | mg/l - N | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1.00000 | mg/l - N | | | | | | | |
| 7 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 | mg/l | | | | | | | |
| 8 | Iron | mg/l | Total | Actual | | | | | 8008 | |

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21FLGCWW

Gilchrist County Well Watch (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 0.30000 | mg/l | | | | | | | |

Characteristic Group Details

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-001 | Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 2320 FIELD | |
| 10 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-B | |
| 11 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | 2580 | |
| 12 | Depth, Secchi Disk Depth (Choice List) | | | | | | | | STATION OBS | |
| 2 | Depth, bottom | m | | Actual | | | | | STATION OBS | |
| 3 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| 4 | pH | None | | Actual | | | | | 4500-H | |
| 5 | Depth, Secchi Disk Depth | m | | Actual | | | | | STATION OBS | |
| 6 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 2510 | |
| 7 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 8 | General Observation (text) | | | | | | | | | |
| 9 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-002 | Water Chemistry - Biochemical | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| 2 | Chlorophyll/Pheophytin ratio | ug/l | | Actual | | | | | 10200-H | |
| 3 | Pheophytin-a | ug/l | Total | Actual | | | | | 10200-H | |

Characteristic Group Details

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-003 | Water Chemistry - Inorganic | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 310.1 | |
| 2 | Chloride | mg/l | Total | Actual | | | | | 9212 | |
| 3 | Fluorides | mg/l | Total | Actual | | | | | 4500-F-C | |
| 4 | Hardness, carbonate | mg/l | | Calculated | | | | | 2340-B | |
| 5 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | 375.4 | |
| 6 | Tannin and Lignin | mg/l | | Actual | | | | | 5550-B | |
| 7 | Solids, Total | mg/l | | Actual | | | | | 2540-B | |
| 8 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 9 | pH | None | | Actual | | | | | 4500-H | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-004 | Water Chemistry - Total Metals | Sample | Water | | | | N |

Description Ca, Mg, K, Na, Fe in unfiltered, non-digested whole water sample.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Calcium | mg/l | Total | Actual | | | | | 3111-B | |
| 2 | Iron | mg/l | Total | Actual | | | | | 3500-FE(D) | |
| 3 | Magnesium | mg/l | Total | Actual | | | | | 3111-B | |
| 4 | Potassium | mg/l | Total | Actual | | | | | 3111-B | |
| 5 | Sodium | mg/l | Total | Actual | | | | | 3111-B | |

Characteristic Group Details

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21FLGFWF

Florida Fish and Wildlife Conservation Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-005 | Water Chemistry - Nutrients | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 419-D | |
| 10 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 4500-NH3-B,C | 4500-NH3(B) |
| 2 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 4500-NH3-B,C | 4500-NH3(B) |
| 3 | Nitrogen, organic | mg/l | | Actual | | | | | 4500-NORG-B | |
| 4 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 4500-NOR(B) | |
| 5 | Phosphorus as P | ug/l | | Actual | | | | | 4500-P-D | 4500-P-B(5) |
| 6 | Phosphorus as PO4 | mg/l | | Actual | | | | | 4500-P-D | 4500-P-B(5) |
| 7 | Phosphorus, orthophosphate as P | ug/l | | Actual | | | | | 4500-P-D | 4500-P-B(1) |
| 8 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | 4500-P-D | 4500-P-B(1) |
| | Acceptable Range | 0.04000 - 1.00000 mg/l | | | | | | | | |
| 9 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 419-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-006 | Station Weather Observations | Field Msr/Obs | Air | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Temperature, air | deg C | | Actual | | | | | STATION WEATHER | |
| 2 | Temperature, air | deg F | | Actual | | | | | STATION WEATHER | |

Characteristic Group Details

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21FLGW

FL Dept. of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD | field measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 10 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 94 | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| GENERAL | FDEP Characteristics | Sample | Water | | | | N |

Characteristic Group Details

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21FLHILL

Hillsborough County Environmental (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD | Ambient Monitoring Field | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND_M | Specific conductance | uS/cm | | Actual | | | | | CONDUCTANCE | |
| DEPTH_B | Depth, bottom | m | | Actual | | | | | DEPTHPD | |
| DO_M | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| PH_M | pH | None | | Actual | | | | | PH | |
| SAL_M | Salinity | PSS | | Actual | | | | | SALINITY | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| SECCHI1 | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP_AIR | Temperature, air | deg C | | Actual | | | | | AIRTEMP | |
| T_WAT_M | Temperature, water | deg C | | Actual | | | | | 2550 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD_B | FIELD MEASUREMENTS-BOTTOM | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND_B | Specific conductance | uS/cm | | Actual | | | | | CONDUCTANCE | |
| DO_B | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| PH_B | pH | None | | Actual | | | | | PH | |
| SAL_B | Salinity | ppt | | Actual | | | | | SALINITY | |
| T_WAT_B | Temperature, water | deg C | | Actual | | | | | 2550 | |

Characteristic Group Details

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21FLHILL

Hillsborough County Environmental (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD_T | FIELD MEASUREMENTS - TOP | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND_T | Specific conductance | uS/cm | | Actual | | | | | CONDUCTANCE | |
| DO_T | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| PH_T | pH | None | | Actual | | | | | PH | |
| SAL_T | Salinity | ppt | | Actual | | | | | SALINITY | |
| T_WAT_T | Temperature, water | deg C | | Actual | | | | | 2550 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAB | Ambient Monitoring-Lab Results | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ARSENIC | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| BOD_5 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| CA | Calcium | mg/l | Total | Actual | | | | | 215.1 | 3030-E |
| CADMIUM | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | 3030-E |
| CHL A CORR | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CHL_A | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 200.00000 ug/l | | | | | | | | |
| CHL_B | Chlorophyll-b | ug/l | Total | Actual | | | | | 10200-H | |
| CHL_C | Chlorophyll-c | ug/l | Total | Actual | | | | | 10200-H | |
| CHL_T | Chlorophyll (a+b+c) | ug/l | Total | Calculated | | | | | 10200-H | |

Characteristic Group Details

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21FLHILL

Hillsborough County Environmental (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 200.00000 ug/l | | | | | | | | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 4500-CL-(E) | |
| COLOR | Color, True | PCU | Non-filterable | Actual | | | | | COLOR | |
| | Acceptable Range | 0.00000 - 200.00000 PCU | | | | | | | | |
| COLOR(440) | Color, True | PCU | Non-filterable | Actual | | | | | COLOR | |
| | Acceptable Range | 0.00000 - 200.00000 PCU | | | | | | | | |
| COLOR(750) | Color, True | PCU | Non-filterable | Actual | | | | | COLOR | |
| | Acceptable Range | 0.00000 - 200.00000 PCU | | | | | | | | |
| COND_LAB | Specific conductance | mS/cm | | Actual | | | | | CONDUCTANCE | |
| CR | Chromium | ug/l | Total | Actual | | | | | 218.1 | |
| CU | Copper | ug/l | Total | Actual | | | | | 220.1 | 3030-E |
| C_ORG_T | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | TOC | |
| DO_LAB | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| ENTEROC | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| E_COLI | Escherichia coli | #/100ml | | Actual | | | | | | |
| FE | Iron | mg/l | Dissolved | Actual | | | | | 236.1 | 3030-E |
| F DISS | Fluorides | mg/l | Dissolved | Actual | | | | | 340.2 | |
| HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| K | Potassium | mg/l | | Actual | | | | | 258.1 | 3030-E |
| MF_COLI | Total Coliform | #/100ml | | Actual | | | | | 9222-B | |
| MF_FECAL | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| MF_STREP | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | 9230-C | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 242.1 | 3030-E |
| NA | Sodium | mg/l | Total | Actual | | | | | 273.1 | 3030-E |
| NH3N | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | | Actual | | | | | 350.1 | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Acid Soluble | Actual | | | | | 4500-NO3(F) | |

Characteristic Group Details

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21FLHILL

Hillsborough County Environmental (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO3_NO2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Acid Soluble | Actual | | | | | 4500-NO3(F) | |
| N_KJEL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| N_ORG | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |
| N_TOTAL | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PB | Lead | ug/l | Total | Actual | | | | | 239.1 | |
| PHEO | Pheophytin-a | ug/m3 | Total | Actual | | | | | 10200-H | |
| PH_LAB | pH | None | | Actual | | | | | PH | |
| | Acceptable Range | 5.00000 - 9.00000 | None | | | | | | | |
| P_ORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 4500-P-F | |
| P_TOTAL | Phosphorus | mg/l | Total | Actual | | | | | 4500-P-F | |
| RES DISS | Solids, Fixed | mg/l | Dissolved | Calculated | | | | | 160.1 | |
| RES_TOT | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| RES_T_SU | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | 160.2 | |
| SAL_LAB | Salinity | ppt | | Actual | | | | | SALINITY | |
| | Acceptable Range | 0.00000 - 40.00000 | ppt | | | | | | | |
| SIO2 | Silica | mg/l | | Actual | | | | | SILICA | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 375.4 | |
| TURB_NTU | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| ZN | Zinc | ug/l | Total | Actual | | | | | 289.1 | |

Characteristic Group Details

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21FLIMCA

IMC Agrico (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| IMC01 | IMC LAB RESULTS | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 405.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | 10200-H | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| COLOR | Color, True | PCU | | Actual | | | | | 110.2 | |
| F | Fluorides | mg/l | Dissolved | Actual | | | | | 300(A) | |
| GR_ALPHA | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| N2N3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| NA_DISS | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| NH3 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | | Actual | | | | | 350.1 | |
| PO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PT | Phosphorus | mg/l | Total | Actual | | | | | 365.4 | |
| RA226 | Radium-226 | pCi/L | | Actual | | | | | | |
| RA_TOT | Radium | mg/l | Total | Actual | | | | | 903 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | 300(A) | |
| TDS | Solids, Total | mg/l | Dissolved | Actual | | | | | 160.1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |

Characteristic Group Details

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21FLIMCA

IMC Agrico (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| IMCHL1 | Alafia R. field measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.1 | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| TURB | Turbidity | NTU | | Actual | | | | | 180.1 | |
| WATELV | Elevation, water surface, MSL | ft | | Actual | | | | | | |

Characteristic Group Details

December 14, 2007 09:29:52

21FLLCHD

Lee County Hyacinth Control District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LCHCD | LCHCD Analytical Methods | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | ALKALINITY | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | 10200-H | |
| CHLB | Chlorophyll-b | ug/l | | Actual | | | | | 10200-H | |
| CHLC | Chlorophyll-c | ug/l | | Actual | | | | | 10200-H | |
| HARDNESS | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| N2N3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.3 | |
| NH3 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | | Actual | | | | | 350.1 | |
| NO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO3 | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.3 | |
| OP | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEEFIELD | LCHCD FIELD MSR/OBS | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |

Characteristic Group Details

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21FLLCHD

Lee County Hyacinth Control District (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH | pH | None | | Actual | | | | | 150.1 | |
| SECCHI | Depth, Secchi Disk Depth | in | | Actual | | | | | | |

Characteristic Group Details

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21FLLOX

Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHAR-01 | RiverKeeper Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| 02 | pH | None | | Actual | | | | | 150.1 | |
| 03 | Tide stage (choice list) | | | | | | | | | |
| 04 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| 05 | Salinity | ppt | | Actual | | | | | 2520-B | |
| 06 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| 07 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.1 | |
| 08 | Dissolved oxygen saturation | % | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| CHAR-S1 | plain | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01 | Alkalinity, Bicarbonate as CaCO3 | mg/l | | Actual | | | | | 310.1 | |
| 02 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 03 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| 04 | Color, True | PCU | | Actual | | | | | 2120-B | |
| 05 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| 06 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CHAR-S2 | Sulfuric acid preserved | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.2(B) | |
| 02 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 351.2 | |
| 03 | Phosphorus | mg/l | | Actual | | | | | 365.4 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CHAR-S3 | Chlorophyll-a | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CHAR-S4 | Fecal Coliform | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01 | Fecal Coliform | #/100ml | | Actual | | | | | 3.4 | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CHAR-S5 | Metals | Sample | Water | | | | N |

Citations USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Arsenic | ppb | Total | Actual | | | | | 200.8(W) | |
| 2 | Cadmium | ppb | Total | Actual | | | | | 200.8(W) | |
| 3 | Chromium | ppb | Total | Actual | | | | | 200.8(W) | |
| 4 | Copper | ppb | Total | Actual | | | | | 200.8(W) | |
| 5 | Lead | ppb | Total | Actual | | | | | 200.8(W) | |
| 6 | Manganese | ppb | Total | Actual | | | | | 200.8(W) | |
| 7 | Nickel | ppb | Total | Actual | | | | | 200.8(W) | |
| 8 | Zinc | ppb | Total | Actual | | | | | 200.8(W) | |

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Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21 | 29821 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Alpheidae | | | | | | | |
| | Aricidea philbinae | | | Actual | | | | |
| | Armandia maculata | | | | | | | |
| | Capitellidae | | | | | | | |
| | Clibanarius vittatus | | | | | | | |
| | Cyclaspis | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Erichthonius rubricornis | | | | | | | |
| | Hippolyte | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides rubicundus | | | Actual | | | | |
| | Macoma tenta | | | | | | | |
| | Melinna maculata | | | | | | | |
| | Nemertea | | | | | | | |
| | Nudibranchia | | | | | | | |
| | Oligochaeta | | | Actual | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Pinnixa floridana | | | | | | | |
| | Polypedilum convictum | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Rheotanytarsus | | | | | | | |
| | Solemya velum | | | | | | | |
| | Spirorbis | | | | | | | |
| | Streblosoma hartmanae | | | | | | | |
| | Tellina | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-92-01 | St 21 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amphiuridae | | | | | | | |
| | Anthozoa | | | | | | | |
| | Arcopsis adamsi | | | | | | | |
| | Aricidea | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Armandia maculata | | | | | | | |
| | Capitomastus | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Eurythoe | | | | | | | |
| | Haplosyllis spongicola | | | | | | | |
| | Mediomastus | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nemertea | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Spionidae | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-92-02 | St 21 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aoridae | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Armandia maculata | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Clibanarius | | | | | | | |
| | Corophiidae | | | | | | | |
| | Decapoda | | | | | | | |
| | Divaricella quadrisulcata | | | | | | | |
| | Exogone dispar | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Glycera abbranchiata | | | | | | | |
| | Gyptis brevipalpa | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Majidae | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mediomastus | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Nematonereis hebes | | | | | | | |
| | Nemertea | | | | | | | |
| | Notomastus | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Poecilochaetus johnsoni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |
| | Xanthidae | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 21-93-01 | St 21 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Boguea enigmatica | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Cirriformia | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium acutum | | | | | | | |
| | Crassostrea virginica | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Mediomastus | | | | | | | |
| | Naineris | | | | | | | |
| | Nemertea | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Sabellidae | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Syllis ferrugina | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Terebellides stroemi | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-93-02 | St 21 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amphiuridae | | | | | | | |
| | Aricidea fragilis | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Callianassa | | | | | | | |
| | Carazziella hobsonae | | | | | | | |
| | Chaetognatha | | | | | | | |
| | Diogenidae | | | | | | | |
| | Divaricella quadrisulcata | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hippolyte zostericola | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Limnodriloides rubicundus | | | | | | | |
| | Majidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Notomastus hemipodus | | | | | | | |
| | Periclimenes americanus | | | | | | | |
| | Portunidae | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |
| | Pycnogonida | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Sipuncula | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |
| | Tozeuma | | | | | | | |
| | Tubificidae | | | | | | | |
| | Xanthidae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-94-01 | St 21 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bushia elegans | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Caulleriella | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Clibanarius vittatus | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Heteromastus filiformis | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Naineris | | | | | | | |
| | Ophiuroidea | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Penaeus | | | | | | | |
| | Periclimenes americanus | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pinnixa floridana | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |
| | Sipuncula | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Spirorbis | | | | | | | |
| | Tectidrilus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-94-02 | St 21 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea | | | | | | | |
| | Aricidea fragilis | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Aricidea taylori | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bushia elegans | | | | | | | |
| | Callinectes sapidus | | | | | | | |
| | Caulleriella | | | | | | | |
| | Chione cancellata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Corbula contracta | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Malacoceros vanderhorsti | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Nemertea | | | | | | | |
| | Paguristes | | | | | | | |
| | Phyllodoce arenae | | | | | | | |
| | Pinnixa floridana | | | | | | | |
| | Pinnotheridae | | | | | | | |
| | Pitar | | | | | | | |
| | Poecilochaetus johnsoni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Sabellidae | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Scolelepis texana | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Spiochaetopterus oculatus | | | | | | | |
| | Tectidrilus | | | | | | | |
| | Tellina | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-95-01 | St 21 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Aricidea | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bhawania | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bulla striata | | | | | | | |
| | Caprellidae | | | | | | | |
| | Caulleriella | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Cirriformia | | | | | | | |
| | Corbula contracta | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Corophium | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Diogenidae | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Ehlersia cornuta | | | | | | | |
| | Emerita talpoida | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Nematonereis hebes | | | | | | | |
| | Nemertea | | | | | | | |
| | Nereis falsa | | | | | | | |
| | Palaemonidae | | | | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Streblospio benedicti | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tellina | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-95-02 | St 21 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |
| | Veneridae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-96-01 | St 21 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amphiuridae | | | | | | | |
| | Aoridae | | | | | | | |
| | Aricidea | | | | | | | |
| | Armandia | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caprellidae | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Nemertea | | | | | | | |
| | Olivella | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Pectinaria gouldi | | | | | | | |
| | Pinnixa | | | | | | | |
| | Platynereis dumerilii | | | | | | | |
| | Polydora | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-96-02 | St 21 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amphiuridae | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Balanus | | | | | | | |
| | Caprellidae | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Nemertea | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Platynereis dumerilii | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tanaidacea | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-97-02 | St 21 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Armandia agilis | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Chione cancellata | | count | Actual | | | 4 | |
| | Corbula contracta | | count | Actual | | | 4 | |
| | Cymadusa compta | | count | Actual | | | 26 | |
| | Dasybranchus | | | | | | | |
| | Divaricella quadrisulcata | | count | Actual | | | 4 | |
| | Erichsonella attenuata | | count | Actual | | | 26 | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Glycera abranchiata | | count | Actual | | | 0 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Leitoscoloplos fragilis | | count | Actual | | | 5 | |
| | Limnodriloides barnardi | | count | Actual | | | | |
| | Limnodriloides rubicundus | | count | Actual | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Lumbrineris verrilli | | count | Actual | | | 9 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Notomastus hemipodus | | count | Actual | | | 5 | |
| | Palaemonetes paludosus | | | | | | | |
| | Parvilucina multilineata | | count | Actual | | | 4 | |
| | Pectinaria gouldi | | count | Actual | | | 5 | |
| | Penaeus | | count | Actual | | | 26 | |
| | Prionospio cristata | | count | Actual | | | 13 | |
| | Prionospio heterobranchia | | count | Actual | | | 13 | |
| | Scoloplos rubra | | count | Actual | | | 5 | |
| | Sipunculidae | | count | Actual | | | 5 | |
| | Tubificidae | | count | Actual | | | 5 | |
| | Tubificoides | | count | Actual | | | 5 | |
| | Tubificoides brownae | | count | Actual | | | | |
| | Xenanthura brevitelson | | count | Actual | | | 26 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-98-02 | St 21 Fall 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Capitellides jonesi | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Melinna maculata | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Scoloplos texana | | | | | | | |
| | Sipunculidae | | | | | | | |
| | Tellina | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-99-01 | St 21 Spring 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Glycera | | | | | | | |
| | Gouldia cerina | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Mediomastus | | | | | | | |
| | Microdeutopus anomalus | | | | | | | |
| | Nemertea | | | | | | | |
| | Nereis | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Palaemonetes paludosus | | | | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |
| | Rhithropanopeus harrisii | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Tubificoides brownae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21-99-02 | St 21 Fall 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheus | | | | | | | |
| | Amphiuridae | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Capitella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella | | | | | | | |
| | Chama macerophylla | | | | | | | |
| | Crepidula maculosa | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Echiura | | | | | | | |
| | Ehlersia cornuta | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Hesione | | | | | | | |
| | Lembos smithi | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Malmgreniella | | | | | | | |
| | Nemertea | | | | | | | |
| | Nereididae | | | | | | | |
| | Notomastus hemipodus | | | | | | | |
| | Ostrea equestris | | | | | | | |
| | Palaemonetes pugio | | | | | | | |
| | Penaeus | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pinnixa floridana | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Spirorbis | | | | | | | |
| | Tubificidae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 21B | 2nd Fall93 21 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Anachis translirata | | | | | | | |
| | Aoridae | | | | | | | |
| | Arcopsis adamsi | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia maculata | | | | | | | |
| | Balanus eburneus | | | | | | | |
| | Bivalvia | | | | | | | |
| | Boguea enigmatica | | | | | | | |
| | Branchiura | | | | | | | |
| | Bryozoa | | | | | | | |
| | Caecum | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitellidae | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Caulleriella | | | | | | | |
| | Caulleriella alata | | | | | | | |
| | Ceratonereis mirabilis | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Cirriformia | | | | | | | |
| | Cirriformia filigera | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium | | | | | | | |
| | Corophium acutum | | | | | | | |
| | Crassostrea virginica | | | | | | | |
| | Crepidula plana | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Decapoda | | | | | | | |
| | Eurythoe | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Gastropoda | | | | | | | |
| | Geukensia demissa | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Hargeria rapax | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hydrozoa | | | | | | | |
| | Lima pellucida | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Mediomastus | | | | | | | |
| | Megalomma | | | | | | | |
| | Mitrella lunata | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Naineris | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Nemertea | | | | | | | |
| | Notomastus | | | | | | | |
| | Notomastus daueri | | | | | | | |
| | Nudibranchia | | | | | | | |
| | Odontosyllis enopla | | | | | | | |
| | Olivella | | | | | | | |
| | Ophiuroidea | | | | | | | |
| | Ophryotrocha | | | | | | | |
| | Palaemonidae | | | | | | | |
| | Panopeus herbstii | | | | | | | |
| | Paracerceis caudata | | | | | | | |
| | Periclimenes americanus | | | | | | | |
| | Pinnixa | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Platynereis dumerilii | | | | | | | |
| | Podarke obscura | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polynoidae | | | | | | | |
| | Potamilla | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Pycnogonida | | | | | | | |
| | Sabella melanostigma | | | | | | | |
| | Sabellaria floridensis | | | | | | | |
| | Sabellidae | | | | | | | |
| | Scolelepis squamata | | | | | | | |
| | Spio pettiboneae | | | | | | | |
| | Spirorbis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Syllis ferrugina | | | | | | | |
| | Terebellides stroemi | | | | | | | |
| | Tharyx marioni | | | | | | | |
| | Tozeuma carolinense | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides | | | | | | | |
| | Turbellaria | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Turbonilla interrupta | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-92-01 | St 25 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheidae | | | | | | | |
| | Aricidea | | | | | | | |
| | Armandia | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella killariensis | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Clibanarius | | | | | | | |
| | Decapoda | | | | | | | |
| | Erichthonius rubricornis | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Lembos smithi | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Loimia medusa | | | | | | | |
| | Megalomma pigmentum | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Melita nitida | | | | | | | |
| | Naineris laevigata | | | | | | | |
| | Nemertea | | | | | | | |
| | Ophiuroidea | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Paracerceis caudata | | | | | | | |
| | Podarke obscura | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Stenothoidae | | | | | | | |
| | Streblosoma | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |
| | Xanthidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-92-02 | St 25 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Balanus | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Brania clavata | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitomastus | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Clibanarius | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium tuberculatum | | | | | | | |
| | Crepidula | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Decapoda | | | | | | | |
| | Erichsonella attenuata | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides monotheucus | | | | | | | |
| | Nemertea | | | | | | | |
| | Nudibranchia | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Paracerceis caudata | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Penaeus | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Sabella melanostigma | | | | | | | |
| | Sabellidae | | | | | | | |
| | Serpulidae | | | | | | | |
| | Stegocephalidae | | | | | | | |
| | Stenothoidae | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |
| | Tubificidae | | | | | | | |
| | Xanthidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-93-01 | St 25 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Amphipoda | | | | | | | |
| | Ancistrosyllis carolinensis | | | | | | | |
| | Bulla striata | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Callinectes | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caulleriella alata | | | | | | | |
| | Cirriformia | | | | | | | |
| | Cliona | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium | | | | | | | |
| | Corophium acutum | | | | | | | |
| | Crassostrea | | | | | | | |
| | Crassostrea virginica | | | | | | | |
| | Crepidula | | | | | | | |
| | Crepidula maculosa | | | | | | | |
| | Eunice | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Hyalella azteca | | | | | | | |
| | Lysianopsis alba | | | | | | | |
| | Menetus dilatatus | | | | | | | |
| | Mitrella lunata | | | | | | | |
| | Naineris | | | | | | | |
| | Nemertea | | | | | | | |
| | Notomastus tenuis | | | | | | | |
| | Olivella | | | | | | | |
| | Pagurus | | | | | | | |
| | Pagurus longicarpus | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Prionospio cristata | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Streblosoma hartmanae | | | | | | | |
| | Tanaidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-93-02 | St 25 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheus normanni | | | | | | | |
| | Arabella mutans | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Clibanarius vittatus | | | | | | | |
| | Crepidula | | | | | | | |
| | Glycera abranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hippolyte zostericola | | | | | | | |
| | Hyalidae | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Lepidametria | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Spirorbis | | | | | | | |
| | Streblosoma hartmanae | | | | | | | |
| | Syllis cornuta | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-94-01 | St 25 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acuminodeutopus naglei | | | | | | | |
| | Almyracuma proximoculi | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitomastus | | | | | | | |
| | Caprellidae | | | | | | | |
| | Cauleriella | | | | | | | |
| | Cirriformia | | | | | | | |
| | Clibanarius vittatus | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium tuberculatum | | | | | | | |
| | Cumacea | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Decapoda | | | | | | | |
| | Diogenidae | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Monoculodes nyei | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pectinaria gouldi | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Sipuncula | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-94-02 | St 25 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitomastus | | | | | | | |
| | Caprellidae | | | | | | | |
| | Cauleriella | | | | | | | |
| | Cerithium floridanum | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Clibanarius vittatus | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Corophium tuberculatum | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Crassostrea virginica | | | | | | | |
| | Crepidula maculosa | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Nemertea | | | | | | | |
| | Paguristes | | | | | | | |
| | Photis reinhardi | | | | | | | |
| | Pinnotheridae | | | | | | | |
| | Prionospio | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Syllidae | | | | | | | |
| | Tectidrilus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-96-02 | St 25 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Clibanarius vittatus | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycera capitata | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Lembos smithi | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Prionospio | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Spionidae | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Terebellides stroemi | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-97-01 | St 25 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Anthozoa | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Crepidula plana | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Glycera | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Hippolyte | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Macrobrachium | | | | | | | |
| | Paguridae | | | | | | | |
| | Penaeus | | | | | | | |
| | Podarke obscura | | | | | | | |
| | Polydora | | | | | | | |
| | Sipuncula | | | | | | | |
| | Syllis | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tharyx | | | | | | | |
| | Tozeuma carolinense | | | | | | | |
| | Tubificidae | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 25-98-01 | St 25 Spring 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheidae | | count | Actual | | | 26 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Chione cancellata | | count | Actual | | | 4 | |
| | Cirratulidae | | count | Actual | | | 6 | |
| | Cirriformia | | count | Actual | | | 6 | |
| | Clibanarius vittatus | | count | Actual | | | 0 | |
| | Cymadusa compta | | count | Actual | | | 26 | |
| | Diopatra cuprea | | count | Actual | | | 10 | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Harmothoe aculeata | | | | | | | |
| | Hyalellidae | | | | | | | |
| | Latreutes fucorum | | count | Actual | | | 26 | |
| | Lepidametria commensalis | | | | | | | |
| | Limnodriloides barnardi | | count | Actual | | | | |
| | Lumbrineris verrilli | | count | Actual | | | 9 | |
| | Macoma tenta | | count | Actual | | | 4 | |
| | Mediomastus | | count | Actual | | | 5 | |
| | Megalomma pigmentum | | count | Actual | | | 4 | |
| | Microdeutopus | | count | Actual | | | 26 | |
| | Monticellina dorsobranchialis | | count | Actual | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Mooreonuphis nebulosa | | count | Actual | | | | |
| | Notomastus hemipodus | | count | Actual | | | 5 | |
| | Oligochaeta | | count | Actual | | | 5 | |
| | Paramphinome | | count | Actual | | | 9 | |
| | Parvilucina multilineata | | count | Actual | | | 4 | |
| | Prionospio cristata | | count | Actual | | | 13 | |
| | Prionospio heterobranchia | | count | Actual | | | 13 | |
| | Prionospio perkinsi | | count | Actual | | | | |
| | Schistomeringos rudolphi | | count | Actual | | | 9 | |
| | Scoloplos rubra | | count | Actual | | | 5 | |
| | Smithsonidrilus | | | | | | | |
| | Streblosoma hartmanae | | count | Actual | | | 13 | |
| | Syllis cornuta | | count | Actual | | | 9 | |
| | Tagelus divisus | | count | Actual | | | 4 | |
| | Transennella conradina | | count | Actual | | | | |
| | Xanthidae | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-98-02 | St 25 Fall 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Capitella capitata | | | | | | | |
| | Clibanarius | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-99-01 | St 25 Spring 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella | | | | | | | |
| | Diogenidae | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Mediomastus | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Parvilucina multilineata | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Podarke obscura | | | | | | | |
| | Podarkeopsis levifuscina | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Streblosoma hartmanae | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tellinidae | | | | | | | |
| | Xanthidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 25-99-02 | St 25 FALL 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheus | | | | | | | |
| | Amphiuridae | | | | | | | |
| | Arca imbricata | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Branchiomma nigromaculata | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella | | | | | | | |
| | Capitella capitata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caulleriella | | | | | | | |
| | Cerithium | | | | | | | |
| | Corophium | | | | | | | |
| | Crepidula maculosa | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Ehlersia cornuta | | | | | | | |
| | Gastropoda | | | | | | | |
| | Gitanopsis laguna | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Lyonsia hyalina | | | | | | | |
| | Mediomastus | | | | | | | |
| | Mitrella lunata | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Neanthes acuminata | | | | | | | |
| | Nemertea | | | | | | | |
| | Nereididae | | | | | | | |
| | Ostrea equestris | | | | | | | |
| | Palaemonetes paludosus | | | | | | | |
| | Panopeus herbstii | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Parastarte triquetra | | | | | | | |
| | Penaeus | | | | | | | |
| | Podarkeopsis levifuscina | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Rhithropanopeus harrisi | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Spirorbis | | | | | | | |
| | Streblosoma hartmanae | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tricolia affinis | | | | | | | |
| | Triphora nigrocincta | | | | | | | |
| | Triphoridae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 29941 | 2ndSpringC | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea fragilis | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Capitella | | | | | | | |
| | Capitella capitata | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caprellidae | | | | | | | |
| | Cerapus benthophilus | | | | | | | |
| | Chone americana | | | | | | | |
| | Corophium | | | | | | | |
| | Glycera | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrinereis | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Macoma | | | | | | | |
| | Macoma tenta | | | | | | | |
| | Mactra | | | | | | | |
| | Mediomastus | | | | | | | |
| | Microdeutopus anomalus | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Palaemonetes | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polydora ligni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolelepidis viridis | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Spio pettiboneae | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tellinidae | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-92-01 | St 31 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amygdalum papyrium | | | | | | | |
| | Aricidea fragilis | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Calappa | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella killariensis | | | | | | | |
| | Chone americana | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Decapoda | | | | | | | |
| | Fabriciolla trilobata | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haminoea succinea | | | | | | | |
| | Leitoscoloplos foliosus | | | | | | | |
| | Maldanidae | | | | | | | |
| | Orbinia riseri | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Penaeus | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Polycirrus plumosus | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polydora websteri | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Rudilemboides naglei | | | | | | | |
| | Scolecopsis texana | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Scoloplos rubra Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-92-02 | St 31 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cauterella killariensis | | | | | | | |
| | Chone americana | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos foliosus | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Maldanidae | | | | | | | |
| | Nemertea | | | | | | | |

Characteristic Group Details

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Oxyurostylis smithi | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-93-01 | St 31 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Ampelisca vadorum | | | | | | | |
| | Amphipoda | | | | | | | |
| | Anthuridae | | | | | | | |
| | Arabella mutans | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caulleriella alata | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Corophiidae | | | | | | | |
| | Crepidula | | | | | | | |
| | Crepidula plana | | | | | | | |
| | Cumacea | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Decapoda | | | | | | | |
| | Enchytraeidae | | | | | | | |
| | Fabriciola trilobata | | | | | | | |
| | Gastropoda | | | | | | | |
| | Geukensia demissa | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glyceridae | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrinereis | | | | | | | |
| | Lumbrineridae | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Nemertea | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ophiuroidea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Phoronis | | | | | | | |
| | Podarke obscura | | | | | | | |
| | Polinices | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Potamilla | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Sabellidae | | | | | | | |
| | Scolecopsis squamata | | | | | | | |
| | Scoloplos acmeceps | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Sphaerosyllis longicauda | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |
| | Syllis ferrugina | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tharyx marioni | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31-93-02 | St 31 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Anomalocardia auberiana | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Brania wellfleetensis | | | | | | | |
| | Bulla striata | | | | | | | |
| | Callianassa | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitomastus | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Corophium | | | | | | | |
| | Drilonereis | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Haminoea succinea | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Maldanidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Notomastus daueri | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Sphaerosyllis longicauda | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |
| | Syllis cornuta | | | | | | | |
| | Syngnathus | | | | | | | |
| | Tellina mera | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xanthidae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-94-01 | St 31 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca abdita | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | <i>Arenicola cristata</i> | | | | | | | |
| | <i>Aricidea philbiniae</i> | | | | | | | |
| | <i>Armandia agilis</i> | | | | | | | |
| | <i>Axiothella mucosa</i> | | | | | | | |
| | <i>Bowmaniella</i> | | | | | | | |
| | <i>Bulla striata</i> | | | | | | | |
| | <i>Capitella capitata</i> | | | | | | | |
| | Caprellidae | | | | | | | |
| | <i>Caulleriella</i> | | | | | | | |
| | <i>Chone americana</i> | | | | | | | |
| | <i>Corophium</i> | | | | | | | |
| | Diogenidae | | | | | | | |
| | <i>Enoplobranchus sanguineus</i> | | | | | | | |
| | <i>Erichsonella attenuata</i> | | | | | | | |
| | <i>Erichthonius brasiliensis</i> | | | | | | | |
| | <i>Fabriciola trilobata</i> | | | | | | | |
| | Gastropoda | | | | | | | |
| | <i>Glycera abbranchiata</i> | | | | | | | |
| | <i>Glycinde solitaria</i> | | | | | | | |
| | <i>Halmyrapseudes bahamensis</i> | | | | | | | |
| | <i>Hargeria rapax</i> | | | | | | | |
| | <i>Kinbergonuphis simoni</i> | | | | | | | |
| | <i>Laeonereis culveri</i> | | | | | | | |
| | <i>Leitoscoloplos robustus</i> | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Lembos smithi | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Paguristes | | | | | | | |
| | Penaeus | | | | | | | |
| | Pinnotheridae | | | | | | | |
| | Podarkeopsis levifuscina | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Rudilemboides naglei | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |
| | Syllidae | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31-94-02 | St 31 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Eteone heteropoda | | | | | | | |
| | Gobiidae | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Nemertea | | | | | | | |
| | Tubificidae | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31-95-01 | St 31 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca abdita | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caprellidae | | | | | | | |
| | Cauleriella | | | | | | | |
| | Chone americana | | | | | | | |
| | Corophium | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Ehlersia cornuta | | | | | | | |
| | Eteone heteropoda | | | | | | | |
| | Eudevenopus honduranus | | | | | | | |
| | Gammarus mucronatus | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Maldanidae | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Mysidopsis furca | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Penaeus | | | | | | | |
| | Pitar | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Sabellidae | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Streptosyllis | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |
| | Tellina | | | | | | | |
| | Terebellidae | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-95-02 | St 31 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Erichthonius brasiliensis | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Streptosyllis pettiboneae | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-96-01 | St 31 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Armandia | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Corbula contracta | | | | | | | |
| | Corophium | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrinereis | | | | | | | |
| | Mediomastus | | | | | | | |
| | Neritina | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Platynereis dumerilii | | | | | | | |
| | Polydora | | | | | | | |
| | Polydora websteri | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tharyx | | | | | | | |
| | Tubificidae | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31-96-02 | St 31 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Chaetognatha | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Penaeus | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31-97-01 | St 31 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acuminodeutopus naglei | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Axiiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cautleriella | | | | | | | |
| | Chone americana | | | | | | | |
| | Eteone lactea | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Mysidopsis furca | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Panaeus | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polymesoda | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Solemya velum | | | | | | | |
| | Sphaerosyllis taylori | | | | | | | |
| | Sphenia antillensis | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tagelus divisus | | | | | | | |
| | Tectidrilus | | | | | | | |
| | Terebellides stroemi | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-97-02 | St 31 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheidae | | count | Actual | | | 26 | |
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Capitomastus | | | | | | | |
| | Cerapus | | | | | | | |
| | Cymadusa compta | | count | Actual | | | 26 | |
| | Cyrrnellus fraternus | | count | Actual | | | 4 | |
| | Diopatra cuprea | | count | Actual | | | 10 | |
| | Erichthonius brasiliensis | | count | Actual | | | 26 | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Fabricia | | count | Actual | | | 13 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Gammarus mucronatus | | count | Actual | | | 26 | |
| | Geukensia demissa | | count | Actual | | | 4 | |
| | Glycera abbranchiata | | count | Actual | | | 0 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hyalellidae | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lembos smithi | | count | Actual | | | 26 | |
| | Limnodriloides | | count | Actual | | | 5 | |
| | Limnodriloides barnardi | | count | Actual | | | | |
| | Nemertea | | count | Actual | | | 9 | |
| | Prionospio cristata | | count | Actual | | | 13 | |
| | Scoloplos texana | | | | | | | |
| | Streptosyllis pettiboneae | | count | Actual | | | | |
| | Tubificidae | | count | Actual | | | 5 | |
| | Tubificoides | | count | Actual | | | 5 | |
| | Turbonilla | | count | Actual | | | 11 | |
| | Upogebia affinis | | count | Actual | | | 4 | |
| | Xenanthura brevitelson | | count | Actual | | | 26 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-99-01 | St 31 Spring 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Arenicola cristata | | | | | | | |
| | Aricidea | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bivalvia | | | | | | | |
| | Callinectes sapidus | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Ehlersia cornuta | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Fabriciola | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limulus polyphemus | | | | | | | |
| | Macoma | | | | | | | |
| | Maldanidae | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolecipis texana | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31-99-02 | St 31 Fall 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerithium | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Glyptotendipes | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lucinidae | | | | | | | |
| | Macoma constricta | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Mediomastus | | | | | | | |
| | Nereididae | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Sipuncula | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 31B-9202 | The Full St. 31 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Actiniaria | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Anomalocardia auberiana | | | | | | | |
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Brania | | | | | | | |
| | Caecum pulchellum | | count | Actual | | | 5 | |
| | Capitella capitata | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Cauleriella killariensis | | count | Actual | | | 6 | |
| | Cerapus tubularis | | | | | | | |
| | Cerithium | | | | | | | |
| | Chone americana | | count | Actual | | | 4 | |
| | Cymadusa compta | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Divaricella quadrisulcata | | | | | | | |
| | Enchytraeidae | | count | Actual | | | 5 | |
| | Erichsonella attenuata | | | | | | | |
| | Eteone lactea | | | | | | | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Fabriciola trilobata | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | count | Actual | | | 9 | |
| | Haminoea succinea | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos foliosus | | | | | | | |
| | Leitoscoloplos robustus | | count | Actual | | | 5 | |
| | Limnodriloides | | count | Actual | | | 5 | |
| | Lucina pectinata | | | | | | | |
| | Maldanidae | | count | Actual | | | 5 | |
| | Mediomastus | | | | | | | |
| | Nemertea | | count | Actual | | | 9 | |
| | Orbinia riseri | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Oxyurostylis smithi | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio heterobranchia | | count | Actual | | | 13 | |
| | Scolecopsis texana | | count | Actual | | | 13 | |
| | Scoloplos rubra | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Streptosyllis pettiboneae | | count | Actual | | | 9 | |
| | Stylochus | | | | | | | |
| | Tellinidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-92-01 | St 35 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Asthenothaerus hemphilli | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Cerapus benthophilus | | | | | | | |
| | Chone americana | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Decapoda | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Erichthonius rubricornis | | | | | | | |
| | Eudevenopus honduranus | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Leitoscoloplos foliosus | | | | | | | |
| | Lumbrinereis | | | | | | | |
| | Lumbrineris californiensis | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mysidopsis furca | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Pontogeneia inermis | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-92-02 | St. 35 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Actiniaria | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Chone americana | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Decapoda | | | | | | | |
| | Eteone heteropoda | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Glycera | | | | | | | |
| | Glycera abranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos foliosus | | | | | | | |
| | Nassarius vibex | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Palaemonetes | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Porifera | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pseudopolydora | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-93-01 | St 35 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philibinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Enchytraeidae | | | | | | | |
| | Eteone heteropoda | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Maldanidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Orbiniidae | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Sabella melanostigma | | | | | | | |
| | Sabellidae | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Sphaerosyllis longicauda | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tanaidae | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-93-02 | St 35 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acuminodeutopus naglei | | | | | | | |
| | Aricidea philbinae | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitomastus | | | | | | | |
| | Caulleriella | | | | | | | |
| | Chone americana | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Exogone dispar | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lima pellucida | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Paracerceis caudata | | | | | | | |
| | Photis reinhardi | | | | | | | |
| | Porifera | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |

Characteristic Group Details

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Prionospio perkinsi | | | | | | | |
| | Scolelepis squamata | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tellina mera | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-94-01 | St 35 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amphioxus | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Eteone | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |

Characteristic Group Details

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Laeonereis culveri | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Polydora | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Scoloplos fragilis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-94-02 | St 35 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bowmaniella | | | | | | | |
| | Chone americana | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Eteone | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Glycera abbranchiata | | | | | | | |
| | Hyalella azteca | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Scolecopsis | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-96-02 | St 35 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Axiothella | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Callinectes sapidus | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Eteone lactea | | | | | | | |
| | Gastropoda | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polymesoda | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Sphenia antillensis | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-97-02 | St 35 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Acteocina canaliculata | | count | Actual | | | 11 | |
| | Actiniaria | | count | Actual | | | 9 | |
| | Almyracuma proximoculi | | count | Actual | | | 4 | |
| | Amygdalum papyrium | | count | Actual | | | 4 | |
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caecum | | count | Actual | | | 5 | |
| | Caenis | | count | Actual | | | 15 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Capitomastus | | count | Actual | | | 5 | |
| | Cerapus | | count | Actual | | | 26 | |
| | Corbula contracta | | count | Actual | | | 4 | |
| | Eteone heteropoda | | count | Actual | | | 9 | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Geukensia demissa | | count | Actual | | | 4 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Gyptis brevipalpa | | count | Actual | | | 9 | |
| | Halmyrapseudes bahamensis | | count | Actual | | | 4 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hyalellidae | | | | | | | |
| | Idoteidae | | | | | | | |
| | Laeonereis | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | count | Actual | | | 0 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Ophiuroidea | | count | Actual | | | 9 | |
| | Podarkeopsis levifuscina | | count | Actual | | | 0 | |
| | Polydora ligni | | | | | | | |
| | Tagelus | | count | Actual | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-98-01 | St 35 Spring 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | count | Actual | | | 4 | |
| | Bulla striata | | count | Actual | | | 11 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Capitellidae | | count | Actual | | | 5 | |
| | Cyathura polita | | count | Actual | | | 26 | |
| | Gammarus mucronatus | | count | Actual | | | 26 | |
| | Geukensia demissa | | count | Actual | | | 4 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Laeonereis culveri | | count | Actual | | | 14 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35-99-01 | St 35 Spring 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella | | | | | | | |
| | Capitella capitata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Exogone dispar | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Limulus polyphemus | | | | | | | |
| | Nemertea | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolecopsis squamata | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 35B-97 | octb97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Acteocina canaliculata | | count | Actual | | | 11 | |
| | Actiniaria | | count | Actual | | | 9 | |
| | Almyracuma proximoculi | | count | Actual | | | 4 | |
| | Amygdalum papyrium | | count | Actual | | | 4 | |
| | Aricidea philbinae | | count | Actual | | | 5 | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | count | Actual | | | 4 | |
| | Caecum | | count | Actual | | | 5 | |
| | Caenis | | count | Actual | | | 15 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Capitomastus | | count | Actual | | | 5 | |
| | Cerapus | | count | Actual | | | 26 | |
| | Corbula contracta | | count | Actual | | | 4 | |
| | Eteone heteropoda | | count | Actual | | | 9 | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Geukensia demissa | | count | Actual | | | 4 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Gyptis brevipalpa | | count | Actual | | | 9 | |
| | Halmyrapseudes bahamensis | | count | Actual | | | 4 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hyalellidae | | | | | | | |
| | Idoteidae | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | count | Actual | | | 0 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Ophiuroidea | | count | Actual | | | 9 | |
| | Podarkeopsis levifuscina | | count | Actual | | | 0 | |
| | Polydora ligni | | | | | | | |
| | Sabellidae | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tagelus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 41-93-01 | St 41 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Actiniaria | | | | | | | |
| | Ampelisca vadorum | | | | | | | |
| | Anthozoa | | | | | | | |
| | Aricidea fragilis | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Aricidea suecica | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina | | | | | | | |
| | Lucina pectinata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Mediomastus | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Pelecypoda | | | | | | | |
| | Polinices | | | | | | | |
| | Polydora | | | | | | | |
| | Scolecopsis squamata | | | | | | | |
| | Scoloplos | | | | | | | |
| | Scoloplos acmeceps | | | | | | | |
| | Scoloplos texana | | | | | | | |
| | Sipuncula | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |
| | Turbellaria | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 41-93-02 | St 41 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea fragilis | | | | | | | |
| | Aricidea philbinae | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Bushia elegans | | | | | | | |
| | Capitomastus | | | | | | | |
| | Divaricella quadrisulcata | | | | | | | |
| | Gastropoda | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Monoculodes nyei | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Spio pettiboneae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 41-96-02 | St 41 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amygdalum papyrium | | | | | | | |
| | Chaetognatha | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Eteone | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Glycera abbranchiata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Nemertea | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 41-97-01 | St 41 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheidae | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Aricidea | | | | | | | |
| | Armandia | | | | | | | |
| | Caprellidae | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Chone | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Nemertea | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nereididae | | | | | | | |
| | Opisthobranchia | | | | | | | |
| | Paguridae | | | | | | | |
| | Penaeus | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Pinnixa | | | | | | | |
| | Platynereis dumerilii | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polydora websteri | | | | | | | |
| | Prionospio | | | | | | | |
| | Pycnogonida | | | | | | | |
| | Rhynchocoela | | | | | | | |
| | Scolelepis | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Sipuncula | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tagelus plebeius | | | | | | | |
| | Tanaidacea | | | | | | | |
| | Tellina | | | | | | | |
| | Terebellides stroemi | | | | | | | |
| | Tharyx | | | | | | | |
| | Tubificidae | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 41-97-02 | St 41 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheidae | | count | Actual | | | 26 | |
| | Amphipoda | | count | Actual | | | 26 | |
| | Amygdalum papyrium | | count | Actual | | | 4 | |
| | Anomalocardia auberiana | | count | Actual | | | 4 | |
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Bushia elegans | | count | Actual | | | 5 | |
| | Capitella capitata | | | | | | | |
| | Cerapus | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Dasybranchus | | | | | | | |
| | Divaricella quadrisulcata | | count | Actual | | | 4 | |
| | Exogone dispar | | count | Actual | | | 14 | |
| | Geukensia demissa | | count | Actual | | | 4 | |
| | Glycera abbranchiata | | count | Actual | | | 0 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hobsonia florida | | count | Actual | | | 6 | |
| | Holothuroidea | | count | Actual | | | 13 | |
| | Hyalellidae | | | | | | | |
| | Laeonereis culveri | | count | Actual | | | 14 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Laonome | | count | Actual | | | | |
| | Leitoscoloplos robustus | | count | Actual | | | 0 | |
| | Limnodrilus | | | | | | | |
| | Lumbrineris verrilli | | count | Actual | | | 9 | |
| | Malacoceros vanderhorsti | | count | Actual | | | | |
| | Nemertea | | count | Actual | | | 9 | |
| | Neritina | | count | Actual | | | 11 | |
| | Notomastus hemipodus | | count | Actual | | | 5 | |
| | Ophiuroidea | | count | Actual | | | 9 | |
| | Parvilucina multilineata | | count | Actual | | | 4 | |
| | Phyllodoce arenae | | count | Actual | | | 9 | |
| | Polydora socialis | | count | Actual | | | 13 | |
| | Prionospio cristata | | count | Actual | | | 13 | |
| | Pseudopolydora | | count | Actual | | | 13 | |
| | Scolecipis texana | | count | Actual | | | 13 | |
| | Spiochaetopterus oculatus | | count | Actual | | | 13 | |
| | Tagelus divisus | | count | Actual | | | 4 | |
| | Tubificidae | | count | Actual | | | 5 | |
| | Tubificoides | | count | Actual | | | 5 | |
| | Tubificoides brownae | | count | Actual | | | | |
| | Xenanthura brevitelson | | count | Actual | | | 26 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 41-98-01 | St 41 Spring 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amphiuridae | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Chaetognatha | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Malacoceros vanderhorsti | | | | | | | |
| | Mediomastus | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Mysella planulata | | | | | | | |
| | Oligochaeta | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 41-98-02 | St 41 Fall 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Amygdalum papyrium | | | | | | | |
| | Bushia elegans | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus | | | | | | | |
| | Glycinde nordmanni | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mysella planulata | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 41-99-01 | FEB9941a | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea fragilis | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Capitella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Caprellidae | | | | | | | |
| | Corophium | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrinereis | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Macoma | | | | | | | |
| | Mediomastus | | | | | | | |
| | Microdeutopus anomalus | | | | | | | |
| | Nemertea | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio cristata | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Prionospio heterobranchia | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolecipides viridis | | | | | | | |
| | Smithsonidrilus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides brownae | | | | | | | |
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-92-01 | St 54 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Glycera | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hobsonia florida | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Leitoscoloplos fragilis | | | | | | | |
| | Mediomastus ambiseta | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Mysidopsis almyra | | | | | | | |
| | Nemertea | | | | | | | |
| | Ogyrides alphaerostris | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tellina | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-92-02 | St. 54 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Decapoda | | | | | | | |
| | Edotea montosa | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Nemertea | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-93-01 | St 54 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Cymadusa compta | | | | | | | |
| | Decapoda | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Hargeria rapax | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hobsonia florida | | | | | | | |
| | Hydrozoa | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Lucina | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scoloplos | | | | | | | |
| | Spionidae | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-93-02 | St 54 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Cerapus tubularis | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Glycinde solitaria | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tellinidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-94-01 | St 54 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Ampelisca vadorum | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Munna reynoldsi | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nemertea | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scoloplos fragilis | | | | | | | |
| | Spionidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-94-02 | St 54 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Capitella capitata | | | | | | | |
| | Chironomus | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-95-01 | St 54 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Eteone | | | | | | | |
| | Fabricia | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Grandidierella bonnieroides | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Nemertea | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Spionidae | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-95-02 | St 54 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Chironomus | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Gastropoda | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-96-01 | St 54 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Penaeus | | | | | | | |
| | Peneus | | | | | | | |
| | Phyllodocidae | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scoloplos fragilis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-96-02 | St 54 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hydrozoa | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Nematomorpha | | | | | | | |
| | Nemertea | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-97-01 | St. 54 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Almyracuma proximoculi | | | | | | | |
| | Ampelisca abdita | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitomastus | | | | | | | |
| | Cerapus | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Gastropoda | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Maldanidae | | | | | | | |
| | Mediomastus | | | | | | | |
| | Mysidacea | | | | | | | |
| | Mysidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Ogyrides alphaerostris | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-97-02 | St 54 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Dasyhelea | | count | Actual | | | 15 | |
| | Entomobryidae | | count | Actual | | | 6 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Hyalellidae | | | | | | | |
| | Nemertea | | count | Actual | | | 9 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Streblospio benedicti | | | | | | | |

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Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-98-01 | St 54 Spring 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Geukensia demissa | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-98-02 | St 54 Fall 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Grandidierella bonnieroides | | | | | | | |
| | Mysidacea | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |
| | Sabellidae | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Spirorbis | | | | | | | |
| | Steninionereis | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-98-2 | St. 54 Fall 1998 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Grandidierella bonnieroides | | | | | | | |
| | Mysidacea | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Prionospio perkinsi | | | | | | | |
| | Sabellidae | | | | | | | |
| | Spirorbis | | | | | | | |
| | Steninionereis | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 54-99-01 | St 54 Spring 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Edotea triloba | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Listriella barnardi | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Nemertea | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-92-01 | St 60 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Amphipoda | | | | | | | |
| | Aoridae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Bathyporeia parkeri | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Enteropneusta | | | | | | | |
| | Gastropoda | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Holothuroidea | | | | | | | |
| | Nemertea | | | | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Sthenelais | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-92-02 | St 60 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amygdalum papyrium | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Decapoda | | | | | | | |
| | Dorvillea sociabilis | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Oxyurostylis smithi | | | | | | | |
| | Phoronis | | | | | | | |
| | Scolecipis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-93-01 | St 60 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Mysidopsis furca | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nemertea | | | | | | | |
| | Phoronis | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Scolecopsis squamata | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-93-02 | St 60 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Balanus | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cirrophorus | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Gyptis brevipalpa | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Scolecipis texana | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-94-01 | St 60 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca abdita | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Lyonsia hyalina floridana | | | | | | | |
| | Nemertea | | | | | | | |
| | Nereididae | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Penaeidae | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scolecipis texana | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tanaidacea | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-94-02 | St 60 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Anthozoa | | | | | | | |
| | Astarte nana | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Capitella capitata | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Corophium | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Nemertea | | | | | | | |
| | Oligochaeta | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-95-01 | St 60 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca abdita | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Fabricia | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hargeria rapax | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Pinnixa | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tellina | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-95-02 | St 60 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca abdita | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyclaspis varians | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Fabricia | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Pinnixa | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scolecipis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tellina | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-96-01 | St 60 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Bulla striata | | | | | | | |
| | Capitella capitata | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Corophium lacustre | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Diopatra cuprea | | | | | | | |
| | Eteone | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Nemertea | | | | | | | |
| | Opisthobranchia | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Scolecipis texana | | | | | | | |
| | Sphaerosyllis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tellina | | | | | | | |
| | Tubificidae | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 60-96-02 | St 60 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Bowmaniella floridana | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 60-97-01 | St 60 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Amphipoda | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Maldanidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Turbellaria | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-97-02 | St 60 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | count | Actual | | | 4 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Corophium ellisi | | count | Actual | | | 4 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Limnodriloides rubicundus | | count | Actual | | | 5 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Streblospio benedicti | | count | Actual | | | 13 | |
| | Tubificidae | | count | Actual | | | 5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-98-02 | St 60 Fall 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Anomalocardia auberiana | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Lucina pectinata | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nemertea | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tellina | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 60-99-02 | St 60 Fall 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Bowmaniella | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Edotia triloba | | | | | | | |
| | Gitanopsis | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Nemertea | | | | | | | |

Characteristic Group Details

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Oxyurostylis smithi | | | | | | | |
| | Scolecopsis squamata | | | | | | | |
| | Tellinidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-02-98 | St 62 Fall 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Cyathura polita | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Myzobdella | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina | | | | | | | |
| | Polypedilum halterale | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-92-01 | St 62 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Characteristic Group Details

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Chaetognatha | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Decapoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polymesoda caroliniana | | | | | | | |
| | Sipuncula | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-92-02 | St 62 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aoridae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Cerapus tubularis | | | | | | | |
| | Cladotanytarsus | | | | | | | |
| | Corophium tuberculatum | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Gammaridae | | | | | | | |
| | Gastropoda | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Neanthes succinea | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina virginea | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-93-01 | St 62 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aoridae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cryptotendipes | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Gastropoda | | | | | | | |
| | Geukensia demissa | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Nereididae | | | | | | | |
| | Neritina reclinata | | | | | | | |
| | Nudibranchia | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-93-02 | St 62 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Bowmaniella floridana | | | | | | | |
| | Cerapus benthophilus | | | | | | | |
| | Corophium | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Monopylephorus rubroniveus | | | | | | | |
| | Neanthes succinea | | | | | | | |
| | Nemertea | | | | | | | |
| | Paranais litoralis | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-94-01 | St 62 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Bivalvia | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Myzobdella | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina virginea | | | | | | | |
| | Penaeus | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-94-02 | St 62 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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21FLLOXB

Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Bivalvia | | | | | | | |
| | Cerapus | | | | | | | |
| | Cladotanytarsus | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Mytilopsis leucophaeata | | | | | | | |
| | Neritina | | | | | | | |
| | Polymesoda caroliniana | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-95-01 | St 62 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Myzobdella | | | | | | | |
| | Neritina | | | | | | | |
| | Palpomyia | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polymesoda caroliniana | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-95-02 | St 62 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Alpheus | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Cassidinidea ovalis | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Dero trifida | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Hydroida | | | | | | | |
| | Nemertea | | | | | | | |
| | Nereididae | | | | | | | |
| | Neritina | | | | | | | |
| | Polymesoda caroliniana | | | | | | | |
| | Polypedilum halterale | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Polypedilum tritum | | | | | | | |
| | Rhithropanopeus harrisii | | | | | | | |
| | Stenonereis | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-96-01 | St 62 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Eteone heteropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Monopylephorus | | | | | | | |
| | Myzobdella | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polymesoda caroliniana | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus plebeius | | | | | | | |

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Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-96-02 | St 62 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Pollution | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|-----------------|-----------|--------------------------|---------------|
| | Aricidea philbinae | | | | | | | | |
| | Axiothella mucosa | | | | | | | | |
| | Capitella capitata | | | | | | | | |
| | Cautleriella | | | | | | | | |
| | Chone americana | | | | | | | | |
| | Cirratulidae | | | | | | | | |
| | Cyathura polita | | | | | | | | |
| | Glycera abbranchiata | | | | | | | | |
| | Kalliapseudes | | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | | |
| | Maldanidae | | | | | | | | |
| | Oxyurostylis smithi | | | | | | | | |
| | Polydora socialis | | | | | | | | |
| | Prionospio heterobranchia | | | | | | | | |
| | Scolecopsis texana | | | | | | | | |
| | Streblospio benedicti | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|-----------|-------------------------------|---------|
| 62-97-01 | St 67 Spring 97 | Sample | Biological | Taxon Abundance | Mammals | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Myzobdella | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-98-01 | St 62 Spring 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Chironomus | | | | | | | |
| | Cladotanytarsus | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Mediomastus | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Myzobdella lugubris | | | | | | | |
| | Nemertea | | | | | | | |
| | Neritina | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Transennella stimpsoni | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 62-99-01 | St 62 Spring 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Cryptochironomus | | | | | | | |
| | Cyathura polita | | | | | | | |
| | Edotia triloba | | | | | | | |
| | Gammarus tigrinus | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Myzobdella | | | | | | | |
| | Nemertea | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polymesoda caroliniana | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-00-02 | St 67 Fall 00 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | | | | | | |
| | Caenis | | | | | | | |
| | Cassinideia ovalis | | | | | | | |
| | Corynoneura | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Hydroptila | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Polycentropus | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Rheotanytarsus | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |

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Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-01-01 | St 67 Spring 01 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | | | | | | |
| | Ablabesmyia rhamphe | | | | | | | |
| | Caenis | | | | | | | |
| | Cassidinidea ovalis | | | | | | | |
| | Chironomus | | | | | | | |
| | Corynoneura | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Exosphaeroma diminutum | | | | | | | |
| | Gammarus tigrinus | | | | | | | |
| | Labrundinia becki | | | | | | | |
| | Nais communis | | | | | | | |
| | Nemertea | | | | | | | |
| | Nilothauma | | | | | | | |
| | Palaemonetes pugio | | | | | | | |
| | Pentaneura | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Pristina | | | | | | | |
| | Pyrgophorus platyrachis | | | | | | | |
| | Rheotanytarsus | | | | | | | |
| | Slavina appendiculata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Thienemanniella | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-01-95 | St 67 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassinidea ovalis | | count | Actual | | | 12 | |
| | Dero | | count | Actual | | | 5 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Palaemonetes | | count | Actual | | | 26 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Palaemonetes pugio | | count | Actual | | | 26 | |
| | Palaemonetes vulgaris | | count | Actual | | | 26 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pristina synclites | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rhithropanopeus harrisii | | count | Actual | | | 0 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |
| | Tubificidae | | count | Actual | | | 5 | |
| | Xenanthura brevitelson | | count | Actual | | | 26 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-01-96 | St 67 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Chaetogaster diastrophus | | count | Actual | | | | |
| | Cladotanytarsus | | count | Actual | | | 13 | |
| | Coenagrionidae | | count | Actual | | | 9 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydropsychidae | | count | Actual | | | 4 | |
| | Hydroptila | | count | Actual | | | 8 | |
| | Nais communis | | count | Actual | | | 5 | |
| | Nais elinguis | | count | Actual | | | 5 | |
| | Nais pardalis | | count | Actual | | | 5 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Pagastiella | | | | | | | |
| | Palaemonetes vulgaris | | count | Actual | | | 26 | |
| | Paracerceis caudata | | count | Actual | | | 12 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | | | | | | |
| | Pristina aequiseta | | count | Actual | | | 5 | |
| | Pristina leidyi | | count | Actual | | | 5 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-01-97 | St 67 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Cassinidea ovalis | | count | Actual | | | 12 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Dero lodeni | | count | Actual | | | 5 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Entomobryidae | | count | Actual | | | 6 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nais communis | | count | Actual | | | 5 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nais elinguis | | count | Actual | | | 5 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-01-98 | St 67 Spring 98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Baetis | | count | Actual | | | 15 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Cassinidea ovalis | | count | Actual | | | 12 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Corynoneura | | count | Actual | | | 6 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Dineutus | | count | Actual | | | 20 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nais communis | | count | Actual | | | 5 | |
| | Nais pardalis | | count | Actual | | | 5 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-02-93 | St 67 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis spinosus | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassinidea ovalis | | count | Actual | | | 12 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanaidacea | | count | Actual | | | 13 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Xanthidae | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-02-95 | St 67 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis spiethi | | count | Actual | | | 15 | |
| | Beardius | | count | Actual | | | 15 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caenis | | count | Actual | | | 15 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Paracerceis caudata | | count | Actual | | | 12 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Pristinella longisoma | | count | Actual | | | 5 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-02-96 | St 67 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassinidea ovalis | | count | Actual | | | 12 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nais communis | | count | Actual | | | 5 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polypedilum illinoense | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pristina aequisetia | | count | Actual | | | 5 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenelmis | | count | Actual | | | 15 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

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Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-02-97 | St 67 Fall 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ancylidae | | count | Actual | | | 11 | |
| | Baetis | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydra | | count | Actual | | | 9 | |
| | Nais pardalis | | count | Actual | | | 5 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-02-98 | list 67 fall 1998 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Cladotanytarsus | | count | Actual | | | 13 | |
| | Dero | | count | Actual | | | 5 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Labrundinia | | count | Actual | | | 9 | |
| | Nais communis | | count | Actual | | | 5 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tipulidae | | count | Actual | | | 16 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-91-02 | Fall9167 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | | | | | | |
| | Argia | | | | | | | |
| | Caenis diminuta | | | | | | | |
| | Cassidinidea ovalis | | | | | | | |
| | Chironomidae | | | | | | | |
| | Cladotanytarsus | | | | | | | |
| | Dero trifida | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Naididae | | | | | | | |
| | Odonata | | | | | | | |
| | Pentaneura inconspicua | | | | | | | |
| | Phaenopsectra | | | | | | | |
| | Polycentropus | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Polypedilum simulans | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Slavina appendiculata | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tanytarsus glabrescens | | | | | | | |
| | Tanytarsus guerlus | | | | | | | |
| | Uromunna reynoldsi | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-92-02 | Spring 1992 Run #2 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Chironomus | | count | Actual | | | 16 | |
| | Crustipellis tribranchiata | | count | Actual | | | 5 | |
| | Decapoda | | count | Actual | | | | |
| | Dero lodeni | | count | Actual | | | 5 | |
| | Dero trifida | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Gobiidae | | count | Actual | | | | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nais pardalis | | count | Actual | | | 5 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Oxyethira | | count | Actual | | | 14 | |
| | Parachironomus | | count | Actual | | | 14 | |
| | Penaeus | | count | Actual | | | 26 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Xanthidae | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-92-03 | Fall 1992 run | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassinidea ovalis | | count | Actual | | | 12 | |
| | Hargeria rapax | | | | | | | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Labrundinia | | count | Actual | | | 9 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nais pardalis | | count | Actual | | | 5 | |
| | Orthotrichia | | count | Actual | | | 8 | |
| | Parachironomus | | | | | | | |
| | Penaeus | | count | Actual | | | 26 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum illinoense | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-92311 | Spring 92 Macro67 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Amphipoda | | count | Actual | | | 20 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Chironomus | | count | Actual | | | 16 | |
| | Cladotanytarsus | | count | Actual | | | 13 | |
| | Crustipellis tribranchiata | | count | Actual | | | 5 | |
| | Cryptotendipes | | count | Actual | | | 6 | |
| | Dero lodeni | | count | Actual | | | 5 | |
| | Dero trifida | | count | Actual | | | 5 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Gobiidae | | count | Actual | | | | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Labrundinia | | count | Actual | | | 9 | |
| | Munna reynoldsi | | | | | | | |
| | Nais communis | | count | Actual | | | 5 | |
| | Nais pardalis | | count | Actual | | | 5 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Neritina virginea | | count | Actual | | | 11 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Orthotrichia | | count | Actual | | | 8 | |
| | Paralauterborniella | | count | Actual | | | 6 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pristina synclites | | count | Actual | | | 5 | |
| | Pristinella jenkiniae | | count | Actual | | | 5 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos | | count | Actual | | | 6 | |
| | Trichoptera | | count | Actual | | | | |
| | Tricladida | | count | Actual | | | 9 | |
| | Tubificidae | | count | Actual | | | 5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-93-01 | March 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia janta | | count | Actual | | | 14 | |
| | Ancylidae | | count | Actual | | | 11 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Dero | | count | Actual | | | 5 | |
| | Dineutus | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Gastropoda | | count | Actual | | | 11 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydra | | count | Actual | | | 9 | |
| | Labrundinia pilosella | | count | Actual | | | 9 | |
| | Menetus dilatatus | | count | Actual | | | 0 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nais | | count | Actual | | | 5 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Pristinella longisoma | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanais | | | | | | | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Trichoptera | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-94-02 | list 67 fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Characteristic Group Details

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Baetidae | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Dero | | count | Actual | | | 5 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Hydropsychidae | | count | Actual | | | 4 | |
| | Hydroptila | | count | Actual | | | 8 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Palaemonetes pugio | | count | Actual | | | 26 | |
| | Parachironomus carinatus | | count | Actual | | | 14 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pristina leidy | | | | | | | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 67-95-01 | list 67 spring 1994 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Corixidae | | count | Actual | | | 28 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hydroptilidae | | count | Actual | | | | |
| | Labrundinia pilosella | | count | Actual | | | 9 | |
| | Leptoceridae | | count | Actual | | | 16 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 67-99-01 | feb9967 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Argia | | | | | | | |
| | Baetidae | | | | | | | |
| | Baetis intercalaris | | | | | | | |
| | Cheumatopsyche | | | | | | | |
| | Coenagrionidae | | | | | | | |
| | Corynoneura | | | | | | | |
| | Exosphaeroma diminutum | | | | | | | |
| | Gammarus tigrinus | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hydra | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Mayatrichia | | | | | | | |
| | Menetus dilatatus | | | | | | | |
| | Nais communis | | | | | | | |
| | Neotrichia | | | | | | | |
| | Pentaneura | | | | | | | |
| | Polypedilum convictum | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Rheotanytarsus | | | | | | | |
| | Slavina appendiculata | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanais | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Thienemanniella | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tribelos fuscicorne | | | | | | | |
| | Tricladida | | | | | | | |
| | Uromunna reynoldsi | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 67-99-02 | 67 FALL 1999 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | | | | | | |
| | Ablabesmyia rhamphe | | | | | | | |
| | Ancyliidae | | | | | | | |
| | Baetidae | | | | | | | |
| | Baetis | | | | | | | |
| | Baetis intercalaris | | | | | | | |
| | Caenis | | | | | | | |
| | Chaetogaster diastrophus | | | | | | | |
| | Chironomus | | | | | | | |
| | Dero digitata | | | | | | | |
| | Dero furcata | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Gammarus tigrinus | | | | | | | |
| | Gastropoda | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Hydra | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Nais communis | | | | | | | |
| | Nanocladius | | | | | | | |
| | Neotrichia | | | | | | | |
| | Palaemonetes pugio | | | | | | | |
| | Parachironomus | | | | | | | |
| | Pentaneura | | | | | | | |
| | Polycentropodidae | | | | | | | |
| | Polypedilum illinoense | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Polypedilum tritum | | | | | | | |
| | Pristina | | | | | | | |
| | Pristina aequisetata | | | | | | | |
| | Pristina leidy | | | | | | | |
| | Slavina appendiculata | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 69-00-02 | 69 Fall 00 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | | | | | | |
| | Argia sedula | | | | | | | |
| | Asheum beckae | | | | | | | |
| | Baetis intercalaris | | | | | | | |
| | Caenis | | | | | | | |
| | Cheumatopsyche | | | | | | | |
| | Cyrnellus fraternus | | | | | | | |
| | Dineutus | | | | | | | |
| | Hyalella azteca | | | | | | | |
| | Hydroptila | | | | | | | |
| | Nais communis | | | | | | | |
| | Nanocladius | | | | | | | |
| | Pentaneura | | | | | | | |
| | Planorbella duryi | | | | | | | |
| | Polycentropus | | | | | | | |
| | Polypedilum illinoense | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Pyrgophorus platyrachis | | | | | | | |
| | Rheotanytarsus | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|-----------------|---------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|--------------------------|---------------|
| | Tribelos fuscicorne | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
| 69-01-01 | 69 Spring 01 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N | |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia philosphagnos | | | | | | | |
| | Ablabesmyia rhamphe | | | | | | | |
| | Argia sedula | | | | | | | |
| | Byssanodonta cubensis | | | | | | | |
| | Caenis | | | | | | | |
| | Callibaetis floridanus | | | | | | | |
| | Coenagrionidae | | | | | | | |
| | Cyrnellus fraternus | | | | | | | |
| | Hyaella azteca | | | | | | | |
| | Hydra | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Hydroptila | | | | | | | |
| | Labrundinia becki | | | | | | | |
| | Nilothauma | | | | | | | |
| | Palaemonetes paludosus | | | | | | | |
| | Physella | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Planorbella duryi | | | | | | | |
| | Polypedilum illinoense | | | | | | | |
| | Pyrgophorus platyrachis | | | | | | | |
| | Rheotanytarsus | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-01-96 | list 69 fall 1996 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Byssanodonta cubensis | | count | Actual | | | 4 | |
| | Caenis | | count | Actual | | | 15 | |
| | Coenagrionidae | | count | Actual | | | 9 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cryptochironomus | | | | | | | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dero | | count | Actual | | | 5 | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Dubiraphia | | count | Actual | | | 15 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Physella | | count | Actual | | | 11 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pristina aequiseta | | count | Actual | | | 5 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-01-97 | list 69 spring 1997 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Argia | | count | Actual | | | 9 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Hyaella azteca | | count | Actual | | | 16 | |
| | Labrundinia becki | | count | Actual | | | 9 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Palaemonetes vulgaris | | count | Actual | | | 26 | |
| | Paratanytarsus | | count | Actual | | | 13 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polydora socialis | | count | Actual | | | 13 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum illinoense | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pristina aequisetata | | count | Actual | | | 5 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-01-98 | list 69 spring 1998 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dero | | count | Actual | | | 5 | |
| | Entomobryidae | | count | Actual | | | 6 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Palaemonetes vulgaris | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-02-93 | list 69 fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Baetis | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cryptotendipes | | count | Actual | | | 6 | |
| | Dero | | count | Actual | | | 5 | |
| | Dero lodeni | | count | Actual | | | 5 | |
| | Dero trifida | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydra | | count | Actual | | | 9 | |
| | Neureclipsis | | count | Actual | | | 62 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Pristinella longisoma | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-02-96 | 69 fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Byssanodonta cubensis | | count | Actual | | | 4 | |
| | Caenis | | count | Actual | | | 15 | |
| | Coenagrionidae | | count | Actual | | | 9 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cryptochironomus | | | | | | | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Dero | | count | Actual | | | 5 | |
| | Dubiraphia | | count | Actual | | | 15 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Physella | | count | Actual | | | 11 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pristina aequisetata | | count | Actual | | | 5 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-02-97 | list 69 fall 1997 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Pagastiella | | count | Actual | | | 6 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-02-98 | list 69 fall 1998 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Ancyliidae | | count | Actual | | | 11 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Bratislavia unidentata | | count | Actual | | | 5 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Caenis | | count | Actual | | | 15 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dero | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydra | | count | Actual | | | 9 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Palaemonetes vulgaris | | count | Actual | | | 26 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pristina aequisetata | | count | Actual | | | 5 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-91-02 | Fall9169 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | | | | | | |
| | Ablabesmyia rhamphe | | | | | | | |
| | Argia | | | | | | | |
| | Baetis | | | | | | | |
| | Caenis diminuta | | | | | | | |
| | Chironomidae | | | | | | | |
| | Chironomus | | | | | | | |
| | Cryptochironomus fulvus | | | | | | | |
| | Cyrnellus fraternus | | | | | | | |
| | Dero trifida | | | | | | | |
| | Dicrotendipes | | | | | | | |
| | Enallagma | | | | | | | |
| | Paralauterborniella nigrohalterale | | | | | | | |
| | Phaenopsectra | | | | | | | |
| | Polypedilum | | | | | | | |
| | Polypedilum simulans | | | | | | | |
| | Pristina longiseta | | | | | | | |
| | Pseudochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Turbellaria | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-92-01 | Spring 1992 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Characteristic Group Details

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Ancylidae | | count | Actual | | | 11 | |
| | Astacidae | | count | Actual | | | 20 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Chironomus | | count | Actual | | | 16 | |
| | Cladopelma | | count | Actual | | | 6 | |
| | Coenagrionidae | | count | Actual | | | 9 | |
| | Crustipellis tribranchiata | | count | Actual | | | 5 | |
| | Cryptotendipes | | count | Actual | | | 6 | |
| | Dero | | count | Actual | | | 5 | |
| | Dero lodeni | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Elimia | | count | Actual | | | 11 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Hebetoncyclus excentricus | | count | Actual | | | 11 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Kiefferulus | | count | Actual | | | 6 | |
| | Menetus dilatatus | | count | Actual | | | 0 | |
| | Neureclipsis | | count | Actual | | | 62 | |
| | Pachydiplax | | count | Actual | | | 9 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Paralauterborniella | | count | Actual | | | 6 | |
| | Physella | | count | Actual | | | 11 | |
| | Planorbella duryi | | count | Actual | | | 11 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pristinella longisoma | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-92-02 | Oct 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Baetis spinosus | | count | Actual | | | 15 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Chironomus | | count | Actual | | | 16 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Dero trifida | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Haemonais waldvogeli | | count | Actual | | | 5 | |
| | Helobdella triserialis | | count | Actual | | | 7 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Nais communis | | count | Actual | | | 5 | |
| | Nais pardalis | | count | Actual | | | 5 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Neureclipsis | | count | Actual | | | 62 | |
| | Orthotrichia | | count | Actual | | | 8 | |
| | Parachironomus | | count | Actual | | | 14 | |
| | Penaeus | | count | Actual | | | 26 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum illinoense | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pristina aequisetata | | count | Actual | | | 5 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-93-01 | 69 mar 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Argia | | count | Actual | | | 9 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Coenagrionidae | | | | | | | |
| | Corixidae | | count | Actual | | | 28 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cricotopus bicinctus | | count | Actual | | | 16 | |
| | Dero | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Gastropoda | | count | Actual | | | 11 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hyaella azteca | | count | Actual | | | 16 | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Labrundinia pilosella | | count | Actual | | | 9 | |
| | Leptoceridae | | count | Actual | | | 16 | |
| | Neureclipsis | | count | Actual | | | 62 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Nimbecera | | count | Actual | | | 13 | |
| | Orthotrichia | | count | Actual | | | 8 | |
| | Paratanytarsus | | count | Actual | | | 13 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polypedilum illinoense | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Rhithropanopeus harrisii | | count | Actual | | | 0 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Trichoptera | | count | Actual | | | | |
| | Turbellaria | | | | | | | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 69-94-02 | list for 1994 69 fall | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Ampelisca vadorum | | count | Actual | | | 26 | |
| | Ancylidae | | count | Actual | | | 11 | |
| | Argia | | count | Actual | | | 9 | |
| | Asheum beckae | | count | Actual | | | 6 | |
| | Beardius | | count | Actual | | | 15 | |
| | Byssanodonta cubensis | | count | Actual | | | 4 | |
| | Caenis | | count | Actual | | | 15 | |
| | Dero | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Elimia | | count | Actual | | | 11 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Goeldichironomus | | count | Actual | | | 6 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tipulidae | | count | Actual | | | 16 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-95-01 | list for spring 1995 station 6 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Ancylidae | | count | Actual | | | 11 | |
| | Argia | | count | Actual | | | 9 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Enallagma | | count | Actual | | | 9 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Hyalella azteca | | count | Actual | | | 16 | |

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Periclimenes americanus | | count | Actual | | | 26 | |
| | Planorbella duryi | | count | Actual | | | 11 | |
| | Pleuroceridae | | count | Actual | | | 11 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | | | | | | |
| | Thienemanniella | | | | | | | |
| | Tricladida | | count | Actual | | | 9 | |
| | Valvatidae | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-95-02 | list 69 fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Argia | | count | Actual | | | 9 | |
| | Asheum beckae | | count | Actual | | | 6 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Beardius | | count | Actual | | | 15 | |
| | Bratislavia unidentata | | count | Actual | | | 5 | |
| | Caenis | | count | Actual | | | 15 | |
| | Chironomus | | count | Actual | | | 16 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dero | | count | Actual | | | 5 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Goeldichironomus | | count | Actual | | | 6 | |
| | Haemonais waldvogeli | | count | Actual | | | 5 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Pristina leidy | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Sphaeriidae | | count | Actual | | | 4 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-96-01 | List 69 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Asheum beckae | | count | Actual | | | 6 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cymellus fraternus | | count | Actual | | | 4 | |
| | Dero | | count | Actual | | | 5 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Dubiraphia | | count | Actual | | | 15 | |
| | Enallagma | | count | Actual | | | 9 | |
| | Goeldichironomus | | count | Actual | | | 6 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Labrundinia becki | | count | Actual | | | 9 | |
| | Menetus dilatatus | | count | Actual | | | 0 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Pachydiplax longipennis | | count | Actual | | | 9 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-96-02 | HD02-96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Asheum beckae | | count | Actual | | | 6 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dero | | count | Actual | | | 5 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Dubiraphia | | count | Actual | | | 15 | |
| | Enallagma | | count | Actual | | | 9 | |
| | Goeldichironomus | | count | Actual | | | 6 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Labrundinia becki | | count | Actual | | | 9 | |
| | Menetus dilatatus | | count | Actual | | | 0 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Pachydiplax longipennis | | count | Actual | | | 9 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Stenochironomus | | count | Actual | | | 16 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-99-01 | feb9969 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia mallochi | | | | | | | |
| | Ablabesmyia rhamphe | | | | | | | |
| | Caenis | | | | | | | |
| | Cheumatopsyche | | | | | | | |
| | Coenagrionidae | | | | | | | |
| | Corynoneura | | | | | | | |
| | Cricotopus | | | | | | | |
| | Hyaella azteca | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Labrundinia pilosella | | | | | | | |
| | Nais communis | | | | | | | |
| | Nilothauma | | | | | | | |
| | Orthotrichia | | | | | | | |

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21FLLOXB **Loxahatchee River District (Florida)**

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Pentaneura | | | | | | | |
| | Polypedilum illinoense | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Rheotanytarsus | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Thienemanniella | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |
| | Tricladida | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 69-99-02 | 69 fall 99 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | | | | | | |
| | Argia | | | | | | | |
| | Caenis | | | | | | | |
| | Cyrnellus fraternus | | | | | | | |
| | Hyaella azteca | | | | | | | |
| | Hydra | | | | | | | |
| | Hydrobiidae | | | | | | | |
| | Polypedilum illinoense | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polypedilum scalaenum | | | | | | | |
| | Slavina appendiculata | | | | | | | |
| | Stenochironomus | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Tribelos fuscicorne | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 6901-94L | taxa list for 1994-01-69 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cricotopus | | count | Actual | | | 16 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Gastropoda | | | | | | | |
| | Hyalella azteca | | | | | | | |
| | Oxyethira | | count | Actual | | | 14 | |
| | Pentaneura | | count | Actual | | | 9 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 690194L | list for 69 01 1994 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Beardius | | count | Actual | | | 15 | |
| | Caenis | | count | Actual | | | 15 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cricotopus | | count | Actual | | | 16 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Decapoda | | count | Actual | | | | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Elimia | | count | Actual | | | 11 | |
| | Oxyethira | | count | Actual | | | 14 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tricladida | | count | Actual | | | 9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-92-01 | St 70 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Actiniaria | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Fabriciola trilobata | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Leitoscoloplos foliosus | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mediomastus | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Polydora websteri | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Solemya occidentalis | | | | | | | |
| | Solemya velum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-92-02 | St 70 Fall 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Almyracuma | | | | | | | |
| | Ampelisca abdita | | | | | | | |
| | Amphipoda | | | | | | | |
| | Aricidea philbinae | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Asychis elongata | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus tubularis | | | | | | | |
| | Corophiidae | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Decapoda | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Listriella barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mediomastus | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Mysidopsis bahia | | | | | | | |
| | Neanthes succinea | | | | | | | |
| | Nemertea | | | | | | | |
| | Paraprionospio pinnata | | | | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Phoronis architecta | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polydora socialis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-93-01 | St 70 Spring 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Ampelisca vadorum | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Callinectes | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus benthophilus | | | | | | | |
| | Corophium | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Gastropoda | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Lucina pectinata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Lumbrinereis | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mediomastus | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Paraprionospio pinnata | | | | | | | |
| | Pinnixa chaetoptera | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-93-02 | St 70 Fall 93 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Almyracuma proximoculi | | | | | | | |
| | Ampelisca vadorum | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Asychis elongata | | | | | | | |
| | Bivalvia | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bowmaniella floridana | | | | | | | |
| | Branchiomma | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus benthophilus | | | | | | | |
| | Glycera dibranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mediomastus | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Penaeidae | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolelepis texana | | | | | | | |
| | Spio pettiboneae | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tharyx dorsobranchialis | | | | | | | |

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21FLLOXB Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Xenanthura brevitelson | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-94-01 | St 70 Spring 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Anomalocardia auberiana | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Axiothella mucosa | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus | | | | | | | |
| | Chone americana | | | | | | | |
| | Corophium | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Heteromastus filiformis | | | | | | | |
| | Holothuroidea | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Maldanidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Polydora ligni | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolecipis texana | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Thienemanniella | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificoides | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-94-02 | St 70 Fall 94 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Almyracuma proximoculi | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Cirriformia | | | | | | | |
| | Cyclaspis varians | | | | | | | |
| | Dorvilleidae | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verilli | | | | | | | |
| | Mediomastus | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Phyllodoce arenae | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-95-01 | St 70 Spring 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Almyracuma proximoculi | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Capitomastus | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Edotea | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Laonome | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Limnodriloides rubicundus | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Nemertea | | | | | | | |
| | Paraprionospio pinnata | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tellina versicolor | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-95-02 | St 70 Fall 95 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cassidinidea ovalis | | | | | | | |
| | Cerapus benthophilus | | | | | | | |
| | Corophium lacustre | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Mediomastus californiensis | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Nemertea | | | | | | | |
| | Polypedilum scalaenum | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-96-01 | St 70 Spring 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Armandia | | | | | | | |
| | Bivalvia | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Capitella capitata | | | | | | | |
| | Capitellides jonesi | | | | | | | |
| | Corophium | | | | | | | |
| | Glycera abbranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Maldanidae | | | | | | | |
| | Mulinia lateralis | | | | | | | |
| | Munna reynoldsi | | | | | | | |
| | Nemertea | | | | | | | |
| | Polydora | | | | | | | |
| | Rangia cuneata | | | | | | | |
| | Scolecopsis | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tharyx | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-96-02 | St 70 Fall 96 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Amygdalum papyrium | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hobsonia florida | | | | | | | |
| | Laonome | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mactra fragilis | | | | | | | |
| | Mediomastus | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Mysidae | | | | | | | |
| | Nemertea | | | | | | | |
| | Parahesionia luteola | | | | | | | |
| | Phyllodoce arenae | | | | | | | |
| | Polymesoda | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Stenothoidae | | | | | | | |
| | Streblospio benedicti | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tagelus divisus | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-97-01 | Spring 97 St. 70 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca abdita | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Asychis elongata | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus | | | | | | | |
| | Chone americana | | | | | | | |
| | Divaricella quadrisulcata | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Eteone heteropoda | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Heteromastus filiformis | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Limnodriloides barnardi | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mediomastus | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Phoronida | | | | | | | |
| | Polydora plena | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scolecopsis texana | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Spionidae | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-98-02 | 78feb98 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acteocina canaliculata | | | | | | | |
| | Amygdalum papyrium | | | | | | | |
| | Asychis elongata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Bivalvia | | | | | | | |
| | Caenis | | | | | | | |
| | Chione | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Kalliapseudes | | | | | | | |
| | Laonome | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Lumbrineris verrilli | | | | | | | |
| | Mediomastus | | | | | | | |
| | Nemertea | | | | | | | |
| | Phoronis architecta | | | | | | | |
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tanytarsus | | | | | | | |
| | Transennella stimpsoni | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-9802 | Oct.98-70 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Characteristic Group Details

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Loxahatchee River District (Florida)

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Capitella capitata | | | | | | | |
| | Cirratulidae | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Podarkeopsis levifuscina | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70-99-01 | feb9970 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Almyracuma proximoculi | | | | | | | |
| | Arenicola cristata | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Asychis elongata | | | | | | | |
| | Bivalvia | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Capitella capitata | | | | | | | |
| | Corophium ellisi | | | | | | | |
| | Edotea triloba | | | | | | | |
| | Glycera | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Hargeria rapax | | | | | | | |
| | Ischadium recurvum | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Leitoscoloplos fragilis | | | | | | | |
| | Leitoscoloplos robustus | | | | | | | |
| | Limnodriloides | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Lucina pectinata | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Nemertea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Podarkeopsis levifuscina | | | | | | | |
| | Polymesoda caroliniana | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Rhithropanopeus harrisi | | | | | | | |
| | Sabellidae | | | | | | | |
| | Schistomeringos rudolphi | | | | | | | |
| | Scolecopsis squamata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Spiochaetopterus costarum | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Stylochus | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Tanais | | | | | | | |
| | Tubificidae | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| 70B-9201 | The full St. 70 Spring 92 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Actiniaria | | | | | | | |
| | Acuminodeutopus naglei | | | | | | | |
| | Aricidea philbinae | | | | | | | |
| | Armandia agilis | | | | | | | |
| | Armandia maculata | | | | | | | |
| | Asychis elongata | | | | | | | |
| | Bathyporeia parkeri | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Decapoda | | | | | | | |
| | Fabriciola trilobata | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Glycera abbranchiata | | | | | | | |
| | Glycinde solitaria | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Haploscoloplos fragilis | | | | | | | |
| | Leitoscoloplos foliosus | | count | Actual | | | 5 | |
| | Leitoscoloplos robustus | | | | | | | |
| | Listriella barnardi | | | | | | | |
| | Lucina pectinata | | count | Actual | | | 4 | |
| | Lumbrineris verrilli | | count | Actual | | | 9 | |
| | Maldanidae | | count | Actual | | | 5 | |
| | Mediomastus | | count | Actual | | | 5 | |
| | Mulinia lateralis | | | | | | | |
| | Nemertea | | count | Actual | | | 9 | |
| | Ophiuroidea | | | | | | | |
| | Oxyurostylis smithi | | | | | | | |
| | Parvilucina multilineata | | | | | | | |
| | Phoronis architecta | | count | Actual | | | 4 | |
| | Polydora | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Polydora websteri | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Solemya occidentalis | | | | | | | |
| | Solemya velum | | | | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Spiochaetopterus costarum oculus | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Terebellides stroemi | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| B25-9702 | Oct.97 25 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Corbula contracta | | count | Actual | | | 4 | |
| | Divaricella quadrisulcata | | | | | | | |
| | Limnodriloides barnardi | | count | Actual | | | | |
| | Prionospio cristata | | count | Actual | | | 13 | |
| | Prionospio heterobranchia | | count | Actual | | | 13 | |
| | Syllis cornuta | | count | Actual | | | 9 | |
| | Tubificidae | | count | Actual | | | 5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| B70-9702 | oCTOBER OF 1997 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ampelisca vadorum | | | | | | | |
| | Bivalvia | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Cerapus | | | | | | | |
| | Edotea montosa | | | | | | | |
| | Halmyrapseudes bahamensis | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Limnodriloides barnardi | | | | | | | |
| | Mactra fragilis | | | | | | | |
| | Monticellina dorsobranchialis | | | | | | | |
| | Nemertea | | | | | | | |
| | Pseudopolydora | | | | | | | |
| | Spiochaetopterus oculatus | | | | | | | |
| | Streblospio benedicti | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|------------|------------|-----------|--------------|---------|
| CHAR-01 | Core Sample | Sample | Biological | Individual | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|------------|------------|-----------|--------------|---------|
| CHAR-02 | Hester Dendy | Sample | Biological | Individual | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| ESTUARY1 | Estuary Master List 1 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Acteocina canaliculata | | count | Actual | | | 11 | |
| | Actinaria | | count | Actual | | | 9 | |
| | Acuminodeutopus naglei | | count | Actual | | | 26 | |
| | Almyracuma | | count | Actual | | | 4 | |
| | Almyracuma proximoculi | | count | Actual | | | 4 | |
| | Alpheidae | | count | Actual | | | 26 | |
| | Alpheus | | count | Actual | | | 26 | |
| | Alpheus normanni | | count | Actual | | | 26 | |
| | Ampelisca abdita | | count | Actual | | | 26 | |
| | Ampelisca vadorum | | count | Actual | | | 26 | |
| | Amphioxus | | count | Actual | | | 13 | |
| | Amphipoda | | count | Actual | | | 26 | |
| | Amphiuridae | | count | Actual | | | 20 | |
| | Amygdalum papyrium | | count | Actual | | | 4 | |
| | Anachis transirata | | count | Actual | | | 11 | |
| | Ancistrosyllis carolinensis | | count | Actual | | | 9 | |
| | Anomalocardia auferiana | | count | Actual | | | 4 | |
| | Anthozoa | | count | Actual | | | 9 | |
| | Anthuridae | | count | Actual | | | 26 | |
| | Aoridae | | count | Actual | | | 26 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Arabella mutans | | count | Actual | | | 9 | |
| | Arcopsis adamsi | | count | Actual | | | | |
| | Arenicola cristata | | count | Actual | | 6 | | |
| | Aricidea | | count | Actual | | | 5 | |
| | Aricidea cerrutii | | count | Actual | | | 5 | |
| | Aricidea fragilis | | count | Actual | | | 5 | |
| | Aricidea philbinae | | count | Actual | | | 5 | |
| | Aricidea suecica | | count | Actual | | | 5 | |
| | Aricidea taylori | | count | Actual | | | 5 | |
| | Armandia | | count | Actual | | | 5 | |
| | Armandia agilis | | count | Actual | | | 5 | |
| | Armandia maculata | | count | Actual | | | 5 | |
| | Astarte nana | | count | Actual | | | 4 | |
| | Asthenothaerus hemphilli | | count | Actual | | | | |
| | Asychis elongata | | count | Actual | | | 5 | |
| | Balanus | | count | Actual | | | 4 | |
| | Balanus eburneus | | count | Actual | | | 4 | |
| | Bathyporeia parkeri | | count | Actual | | | 0 | |
| | Bhawania heteroseta | | count | Actual | | | | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Boguea enigmatica | | count | Actual | | | | |
| | Bowmaniella | | count | Actual | | | 4 | |
| | Bowmaniella floridana | | count | Actual | | | 4 | |
| | Brachyura | | count | Actual | | | | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Branchiomma | | count | Actual | | | 4 | |
| | Bryozoa | | count | Actual | | | 4 | |
| | Bulla striata | | count | Actual | | | 11 | |
| | Bushia elegans | | count | Actual | | | 5 | |
| | Caecum | | count | Actual | | | 5 | |
| | Caecum nitidum | | count | Actual | | | 5 | |
| | Caecum pulchellum | | count | Actual | | | 5 | |
| | Caenis | | count | Actual | | | 15 | |
| | Callianassa | | count | Actual | | | 4 | |
| | Callinectes | | count | Actual | | | 20 | |
| | Capitella capitata | | count | Actual | | | 5 | |
| | Capitellidae | | count | Actual | | | 5 | |
| | Capitellides | | count | Actual | | | 5 | |
| | Capitellides jonesi | | count | Actual | | | 5 | |
| | Capitomastus | | count | Actual | | | 5 | |
| | Caprellidae | | count | Actual | | | 9 | |
| | Carazziella hobsonae | | count | Actual | | | 6 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |
| | Caulleriella | | count | Actual | | | 6 | |
| | Caulleriella alata | | count | Actual | | | 6 | |
| | Caulleriella killariensis | | count | Actual | | | 6 | |
| | Cerapus | | count | Actual | | | 26 | |
| | Cerapus benthophilus | | count | Actual | | | 26 | |
| | Cerapus tubularis | | count | Actual | | | 26 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ceratonereis mirabilis | | count | Actual | | | 14 | |
| | Cerithium floridanum | | count | Actual | | | 6 | |
| | Chaetognatha | | count | Actual | | | 9 | |
| | Chione | | count | Actual | | | 4 | |
| | Chione cancellata | | count | Actual | | | 4 | |
| | Chironomus | | count | Actual | | | 16 | |
| | Chone | | count | Actual | | | 4 | |
| | Chone americana | | count | Actual | | | 4 | |
| | Cirratulidae | | count | Actual | | | 6 | |
| | Cirriformia | | count | Actual | | | 6 | |
| | Cirrophorus | | count | Actual | | | 5 | |
| | Cladotanytarsus | | count | Actual | | | 13 | |
| | Cleantis planicauda | | count | Actual | | | 26 | |
| | Clibanarius | | count | Actual | | | 26 | |
| | Clibanarius vittatus | | count | Actual | | | 0 | |
| | Cliona | | count | Actual | | | 4 | |
| | Corbula contracta | | count | Actual | | | 4 | |
| | Corophiidae | | count | Actual | | | 4 | |
| | Corophium | | count | Actual | | | 4 | |
| | Corophium acutum | | count | Actual | | | 4 | |
| | Corophium ellisi | | count | Actual | | | 4 | |
| | Corophium lacustre | | count | Actual | | | 4 | |
| | Corophium tuberculatum | | count | Actual | | | 4 | |
| | Cossura delta | | count | Actual | | | 5 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Crassostrea virginica | | count | Actual | | | 4 | |
| | Crepidula | | count | Actual | | | 4 | |
| | Crepidula maculosa | | count | Actual | | | 4 | |
| | Crepidula plana | | count | Actual | | | 4 | |
| | Macoma tenta | | count | Actual | | | 4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| ESTUARY2 | Estuary Master List 2 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Cryptochironomus | | count | Actual | | | 9 | |
| | Cryptotendipes | | count | Actual | | | 6 | |
| | Cumacea | | count | Actual | | | 4 | |
| | Cyathura polita | | count | Actual | | | 26 | |
| | Cyclaspis | | count | Actual | | | 26 | |
| | Cyclaspis varians | | count | Actual | | | 4 | |
| | Cymadusa compta | | count | Actual | | | 26 | |
| | Cyrenoida floridana | | count | Actual | | | | |
| | Cyrmellus fraternus | | count | Actual | | | 4 | |
| | Dasyhelea | | count | Actual | | | 15 | |
| | Decapoda | | count | Actual | | | | |
| | Dero trifida | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Diogenidae | | count | Actual | | | 26 | |
| | Diopatra cuprea | | count | Actual | | | 10 | |
| | Divaricella quadrisulcata | | count | Actual | | | 4 | |
| | Dorvillea sociabilis | | count | Actual | | | 9 | |
| | Dorvilleidae | | count | Actual | | | 4 | |
| | Drilonereis | | count | Actual | | | 9 | |
| | Edotea montosa | | count | Actual | | | 26 | |
| | Edotea triloba | | count | Actual | | | 26 | |
| | Ehlersia cornuta | | count | Actual | | | 9 | |
| | Emerita talpoida | | count | Actual | | | 4 | |
| | Enchytraeidae | | count | Actual | | | 5 | |
| | Enoplobranchus sanguineus | | count | Actual | | | 6 | |
| | Enteropneusta | | count | Actual | | | 6 | |
| | Entomobryidae | | count | Actual | | | 6 | |
| | Erichsonella attenuata | | count | Actual | | | 26 | |
| | Erichthonius brasiliensis | | count | Actual | | | 26 | |
| | Erichthonius rubricornis | | count | Actual | | | 26 | |
| | Eteone | | count | Actual | | | 9 | |
| | Eteone heteropoda | | count | Actual | | | 9 | |
| | Eteone lactea | | count | Actual | | | 9 | |
| | Eudevenopus honduranus | | count | Actual | | | 26 | |
| | Eunice | | count | Actual | | | 9 | |
| | Eurythoe | | count | Actual | | | 9 | |
| | Exogone dispar | | count | Actual | | | 14 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Fabricia | | count | Actual | | | 13 | |
| | Fabriciola trilobata | | count | Actual | | | 0 | |
| | Gammaridae | | count | Actual | | | 26 | |
| | Gammarus mucronatus | | count | Actual | | | 26 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Geukensia demissa | | count | Actual | | | 4 | |
| | Glycera | | count | Actual | | | 9 | |
| | Glycera abbranchiata | | count | Actual | | | 0 | |
| | Glycera dibranchiata | | count | Actual | | | 9 | |
| | Glyceridae | | count | Actual | | | 9 | |
| | Glycinde | | count | Actual | | | 9 | |
| | Glycinde solitaria | | count | Actual | | | 9 | |
| | Grandidierella bonnieri | | count | Actual | | | 26 | |
| | Gyptis brevipalpa | | count | Actual | | | 9 | |
| | Halmyrapseudes bahamensis | | count | Actual | | | 4 | |
| | Haminoea succinea | | count | Actual | | | 11 | |
| | Haploscoloplos fragilis | | count | Actual | | | 5 | |
| | Haplosyllis spongicola | | count | Actual | | | 9 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Harmothoe aculeata | | count | Actual | | | | |
| | Heteromastus filiformis | | count | Actual | | | 5 | |
| | Hippolyte paludosa | | count | Actual | | | | |
| | Hippolyte zostericola | | count | Actual | | | 26 | |
| | Hobsonia florida | | count | Actual | | | 6 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Holothuroidea | | count | Actual | | | 13 | |
| | Hyalella azteca | | count | Actual | | | 6 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Hydrozoa | | count | Actual | | | 9 | |
| | Kinbergonuphis simoni | | count | Actual | | | 10 | |
| | Laeonereis culveri | | count | Actual | | | 14 | |
| | Laonome | | count | Actual | | | | |
| | Latreutes fucorum | | count | Actual | | | 26 | |
| | Leitoscoloplos | | count | Actual | | | 5 | |
| | Leitoscoloplos foliosus | | count | Actual | | | 0 | |
| | Leitoscoloplos fragilis | | count | Actual | | | 5 | |
| | Leitoscoloplos robustus | | count | Actual | | | 0 | |
| | Lembos smithi | | count | Actual | | | 26 | |
| | Lima pellucida | | count | Actual | | | 4 | |
| | Limnodriloides | | count | Actual | | | 5 | |
| | Limnodriloides barnardi | | count | Actual | | | | |
| | Limnodriloides rubicundus | | count | Actual | | | | |
| | Listriella barnardi | | count | Actual | | | 26 | |
| | Loimia medusa | | count | Actual | | | 13 | |
| | Lucina | | count | Actual | | | 4 | |
| | Lucina pectinata | | count | Actual | | | 4 | |
| | Lumbrinereis | | count | Actual | | | 9 | |
| | Lumbrineridae | | count | Actual | | | 9 | |
| | Lumbrineris verrilli | | count | Actual | | | 9 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Lyonsia hyalina floridana | | count | Actual | | | 4 | |
| | Lysianopsis alba | | count | Actual | | | 10 | |
| | Macoma | | count | Actual | | | 4 | |
| | Macrobrachium | | count | Actual | | | 26 | |
| | Mactra fragilis | | count | Actual | | | 4 | |
| | Majidae | | count | Actual | | | 20 | |
| | Malacoceros vanderhorsti | | count | Actual | | | | |
| | Maldanidae | | count | Actual | | | 5 | |
| | Mediomastus | | count | Actual | | | 5 | |
| | Mediomastus ambiseta | | count | Actual | | | 5 | |
| | Mediomastus californiensis | | count | Actual | | | 5 | |
| | Megalomma | | count | Actual | | | 4 | |
| | Megalomma pigmentum | | count | Actual | | | 4 | |
| | Melinna maculata | | count | Actual | | | 6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| ESTUARY3 | Estuary Master List 3 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Melita nitida | | count | Actual | | | 29 | |
| | Menetus dilatatus | | count | Actual | | | 0 | |
| | Microdeutopus | | count | Actual | | | 26 | |
| | Mitrella lunata | | count | Actual | | | 11 | |

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Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Monoculodes nyei | | count | Actual | | | 26 | |
| | Monopylephorus rubroniveus | | count | Actual | | | | |
| | Monticellina dorsobranchialis | | count | Actual | | | | |
| | Mooreonuphis nebulosa | | count | Actual | | | | |
| | Mulinia lateralis | | count | Actual | | | 4 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Mysella planulata | | count | Actual | | | 4 | |
| | Mysidopsis almyra | | count | Actual | | | 4 | |
| | Mysidopsis bahia | | count | Actual | | | 4 | |
| | Mysidopsis furca | | count | Actual | | | 4 | |
| | Mytilopsis leucophaeata | | count | Actual | | | 4 | |
| | Myzobdella | | count | Actual | | | 17 | |
| | Myzobdella lugubris | | count | Actual | | | 17 | |
| | Naineris | | count | Actual | | | 5 | |
| | Naineris laevigata | | count | Actual | | | 5 | |
| | Nassarius vibex | | count | Actual | | | 11 | |
| | Neanthes succinea | | count | Actual | | | 14 | |
| | Nematomorpha | | count | Actual | | | 7 | |
| | Nematonereis hebes | | count | Actual | | | 9 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Nereis falsa | | count | Actual | | | 14 | |
| | Neritina | | count | Actual | | | 11 | |
| | Neritina reclivata | | count | Actual | | | 11 | |
| | Neritina virginea | | count | Actual | | | 11 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Notomastus | | count | Actual | | | 5 | |
| | Notomastus daueri | | count | Actual | | | 5 | |
| | Notomastus hemipodus | | count | Actual | | | 5 | |
| | Notomastus tenuis | | count | Actual | | | 5 | |
| | Nudibranchia | | count | Actual | | | 9 | |
| | Odontosyllis enopla | | count | Actual | | | 14 | |
| | Ogyrides alphaerostris | | count | Actual | | | 26 | |
| | Oligochaeta | | count | Actual | | | 5 | |
| | Olivella | | count | Actual | | | 11 | |
| | Ophiuroidea | | count | Actual | | | 9 | |
| | Ophryotrocha | | count | Actual | | | | |
| | Opisthobranchia | | count | Actual | | | | |
| | Orbinia riseri | | count | Actual | | | 5 | |
| | Orbiniidae | | count | Actual | | | 5 | |
| | Owenia | | count | Actual | | | 5 | |
| | Oxyurostylis smithi | | count | Actual | | | 4 | |
| | Paguristes | | count | Actual | | | 26 | |
| | Pagurus | | count | Actual | | | 26 | |
| | Pagurus longicarpus | | count | Actual | | | 26 | |
| | Palaemonetes | | count | Actual | | | 26 | |
| | Palaemonidae | | count | Actual | | | 26 | |
| | Panopeus herbstii | | count | Actual | | | 20 | |
| | Paracerceis caudata | | count | Actual | | | 12 | |
| | Paramphinome | | count | Actual | | | 9 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Paranais litoralis | | count | Actual | | | 5 | |
| | Paraprionospio pinnata | | count | Actual | | | 13 | |
| | Parvilucina multilineata | | count | Actual | | | 4 | |
| | Pectinaria gouldi | | count | Actual | | | 5 | |
| | Penaeidae | | count | Actual | | | 26 | |
| | Penaeus | | count | Actual | | | 26 | |
| | Periclimenes americanus | | count | Actual | | | 26 | |
| | Phoronis | | count | Actual | | | 4 | |
| | Phoronis architecta | | count | Actual | | | 4 | |
| | Photis | | count | Actual | | | 26 | |
| | Phyllodoce arenae | | count | Actual | | | 9 | |
| | Phyllodocidae | | count | Actual | | | 9 | |
| | Pinnixa | | count | Actual | | | 13 | |
| | Pinnixa chaetoptera | | count | Actual | | | 13 | |
| | Pinnixa floridana | | count | Actual | | | 13 | |
| | Pinnotheridae | | count | Actual | | | 13 | |
| | Platynereis dumerilii | | count | Actual | | | 14 | |
| | Podarke obscura | | count | Actual | | | 9 | |
| | Podarkeopsis levifuscina | | count | Actual | | | 0 | |
| | Poecilochaetus johnsoni | | count | Actual | | | 13 | |
| | Polycirrus plumosus | | count | Actual | | | 13 | |
| | Polydora | | count | Actual | | | 13 | |
| | Polydora ligni | | count | Actual | | | 13 | |
| | Polydora socialis | | count | Actual | | | 13 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polydora websteri | | count | Actual | | | 13 | |
| | Polymesoda caroliniana | | count | Actual | | | 4 | |
| | Polynoidae | | count | Actual | | | | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pontogeneia inermis | | count | Actual | | | 26 | |
| | Portunidae | | count | Actual | | | 20 | |
| | Potamilla | | count | Actual | | | 4 | |
| | Prionospio | | count | Actual | | | 13 | |
| | Prionospio cirrobranchiata | | count | Actual | | | 13 | |
| | Prionospio cristata | | count | Actual | | | 13 | |
| | Prionospio heterobranchia | | count | Actual | | | 13 | |
| | Prionospio multibranchiata | | count | Actual | | | 13 | |
| | Prionospio perkinsi | | count | Actual | | | | |
| | Proceraea cornuta | | count | Actual | | | 9 | |
| | Pseudopolydora | | count | Actual | | | 13 | |
| | Pycnogonida | | count | Actual | | | 9 | |
| | Rangia cuneata | | count | Actual | | | 4 | |
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Rhithropanopeus harrisi | | count | Actual | | | 0 | |

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| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ESTUARY4 | Estuary Master List 4 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Rhynchocoela | | count | Actual | | | 9 | |
| | Rudilemboides naglei | | count | Actual | | | 26 | |
| | Sabella melanostigma | | count | Actual | | | 4 | |
| | Sabellaria floridensis | | count | Actual | | | 4 | |
| | Sabellidae | | count | Actual | | | 4 | |
| | Schistomeringos rudolphi | | count | Actual | | | 9 | |
| | Scolecipis | | count | Actual | | | 13 | |
| | Scolecipis squamata | | count | Actual | | | 13 | |
| | Scolecipis texana | | count | Actual | | | 13 | |
| | Scoloplos | | count | Actual | | | 5 | |
| | Scoloplos acmeceps | | count | Actual | | | 5 | |
| | Scoloplos rubra | | count | Actual | | | 5 | |
| | Serpulidae | | count | Actual | | | 4 | |
| | Sipuncula | | count | Actual | | | 5 | |
| | Sipunculidae | | count | Actual | | | 5 | |
| | Solemya occidentalis | | count | Actual | | | 4 | |
| | Solemya velum | | count | Actual | | | | |
| | Spio pettiboneae | | count | Actual | | | 13 | |
| | Spiochaetopterus costarum | | count | Actual | | | 13 | |
| | Spiochaetopterus oculatus | | count | Actual | | | 13 | |
| | Spionidae | | count | Actual | | | 13 | |
| | Spirorbis | | count | Actual | | | 4 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Stenochironomus | | count | Actual | | | | |
| | Stenothoidae | | count | Actual | | | | |
| | Sthenelais | | count | Actual | | | 9 | |
| | Streblosoma hartmanae | | count | Actual | | | 13 | |
| | Streblospio benedicti | | count | Actual | | | 13 | |
| | Streptosyllis pettiboneae | | count | Actual | | | | |
| | Stylochus | | count | Actual | | | 9 | |
| | Syllis | | count | Actual | | | 9 | |
| | Syllis cornuta | | count | Actual | | | 9 | |
| | Syllis ferrugina | | count | Actual | | | 9 | |
| | Tagelus | | count | Actual | | | | |
| | Tagelus divisus | | count | Actual | | | 4 | |
| | Tagelus plebeius | | count | Actual | | | 4 | |
| | Tanaidacea | | count | Actual | | | 13 | |
| | Tanaidae | | count | Actual | | | | |
| | Tanypodinae | | count | Actual | | | | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Tectidrilus | | count | Actual | | | | |
| | Tellina | | count | Actual | | | 4 | |
| | Tellina mera | | count | Actual | | | 4 | |
| | Tellina versicolor | | count | Actual | | | 4 | |
| | Tellinidae | | count | Actual | | | 4 | |
| | Terebellides | | count | Actual | | | 6 | |
| | Terebellides stroemi | | count | Actual | | | 6 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tharyx | | count | Actual | | | 6 | |
| | Tharyx annulosus | | count | Actual | | | 6 | |
| | Tharyx dorsobranchialis | | count | Actual | | | 6 | |
| | Tharyx marioni | | count | Actual | | | 6 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tozeuma | | count | Actual | | | 26 | |
| | Tozeuma carolinense | | count | Actual | | | 26 | |
| | Transennella conradina | | count | Actual | | | | |
| | Transennella stimpsoni | | count | Actual | | | | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Tubificidae | | count | Actual | | | 5 | |
| | Tubificoides | | count | Actual | | | 5 | |
| | Tubificoides brownae | | count | Actual | | | | |
| | Turbellaria | | count | Actual | | | 9 | |
| | Turbonilla | | count | Actual | | | 11 | |
| | Upogebia affinis | | count | Actual | | | 4 | |
| | Xanthidae | | count | Actual | | | | |
| | Xenanthura brevitelson | | count | Actual | | | 26 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------------|---|------------|-----------------|----------------------------|-------------------------------|---------|
| FRESH 1 | Fresh Water Master List 1 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ablabesmyia | | count | Actual | | | 14 | |
| | Ablabesmyia janta | | count | Actual | | | 14 | |
| | Ablabesmyia mallochi | | count | Actual | | | 14 | |
| | Ablabesmyia rhamphe | | count | Actual | | | 14 | |
| | Alluaudomyia | | count | Actual | | | 9 | |
| | Ampelisca | | count | Actual | | | 26 | |
| | Ampelisca vadorum | | count | Actual | | | 26 | |
| | Amphipoda | | count | Actual | | | 20 | |
| | Ancylidae | | count | Actual | | | 11 | |
| | Argia | | count | Actual | | | 9 | |
| | Asheum beckae | | count | Actual | | | 6 | |
| | Astacidae | | count | Actual | | | 20 | |
| | Aulodrilus pigueti | | count | Actual | | | 5 | |
| | Baetidae | | count | Actual | | | 15 | |
| | Baetis | | count | Actual | | | 15 | |
| | Baetis intercalaris | | count | Actual | | | 15 | |
| | Baetis spiethi | | count | Actual | | | 15 | |
| | Baetis spinosus | | count | Actual | | | 15 | |
| | Beardius | | count | Actual | | | 15 | |
| | Bivalvia | | count | Actual | | | 4 | |
| | Bratislavia unidentata | | count | Actual | | | 5 | |
| | Byssanodonta cubensis | | count | Actual | | | 4 | |
| | Caenis | | count | Actual | | | 15 | |
| | Cassidinidea ovalis | | count | Actual | | | 12 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Chaetogaster diastrophus | | count | Actual | | | | |
| | Cheumatopsyche | | count | Actual | | | 4 | |
| | Chironomus | | count | Actual | | | 16 | |
| | Cladopelma | | count | Actual | | | 6 | |
| | Cladotanytarsus | | count | Actual | | | 13 | |
| | Coenagrionidae | | count | Actual | | | 9 | |
| | Corixidae | | count | Actual | | | 28 | |
| | Corynoneura | | count | Actual | | | 6 | |
| | Cricotopus | | count | Actual | | | 16 | |
| | Cricotopus bicinctus | | count | Actual | | | 16 | |
| | Crustipellis tribranchiata | | count | Actual | | | 5 | |
| | Cryptotendipes | | count | Actual | | | 6 | |
| | Cyrnellus fraternus | | count | Actual | | | 4 | |
| | Decapoda | | count | Actual | | | | |
| | Dero | | count | Actual | | | 5 | |
| | Dero digitata | | count | Actual | | | 5 | |
| | Dero lodeni | | count | Actual | | | 5 | |
| | Dero trifida | | count | Actual | | | 5 | |
| | Dicrotendipes | | count | Actual | | | 13 | |
| | Dineutus | | count | Actual | | | 20 | |
| | Dubiraphia | | count | Actual | | | 15 | |
| | Elimia | | count | Actual | | | 11 | |
| | Enallagma | | count | Actual | | | 9 | |
| | Entomobryidae | | count | Actual | | | 6 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Gammarus tigrinus | | count | Actual | | | 26 | |
| | Gastropoda | | count | Actual | | | 11 | |
| | Gobiidae | | count | Actual | | | | |
| | Goeldichironomus | | count | Actual | | | 6 | |
| | Haemonais waldvogeli | | count | Actual | | | 5 | |
| | Hargeria rapax | | count | Actual | | | 4 | |
| | Hebetoncyclus excentricus | | count | Actual | | | 11 | |
| | Helobdella triserialis | | count | Actual | | | 7 | |
| | Hyalella azteca | | count | Actual | | | 16 | |
| | Hydra | | count | Actual | | | 9 | |
| | Hydrobiidae | | count | Actual | | | 6 | |
| | Hydropsychidae | | count | Actual | | | 4 | |
| | Hydroptila | | count | Actual | | | 8 | |
| | Hydroptilidae | | count | Actual | | | | |
| | Kiefferulus | | count | Actual | | | 6 | |
| | Labrundinia | | count | Actual | | | 9 | |
| | Labrundinia becki | | count | Actual | | | 9 | |
| | Labrundinia pilosella | | count | Actual | | | 9 | |
| | Leptoceridae | | count | Actual | | | 16 | |
| | Menetus dilatatus | | count | Actual | | | 0 | |
| | Munna reynoldsi | | count | Actual | | | 26 | |
| | Nais | | count | Actual | | | 5 | |
| | Nais communis | | count | Actual | | | 5 | |
| | Nais elinguis | | count | Actual | | | 5 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Nais pardalis | | count | Actual | | | 5 | |
| | Nanocladius | | count | Actual | | | 6 | |
| | Nemertea | | count | Actual | | | 9 | |
| | Neotrichia | | count | Actual | | | 11 | |
| | Neritina virginea | | count | Actual | | | 11 | |
| | Neureclipsis | | count | Actual | | | 62 | |
| | Nilothauma | | count | Actual | | | 6 | |
| | Nimbecera | | count | Actual | | | 13 | |
| | Orthotrichia | | count | Actual | | | 8 | |
| | Oxyethira | | count | Actual | | | 14 | |
| | Pachydiplax | | count | Actual | | | 9 | |
| | Pachydiplax longipennis | | count | Actual | | | 9 | |
| | Pagastiella | | count | Actual | | | 6 | |
| | Palaemonetes | | count | Actual | | | 26 | |
| | Palaemonetes pugio | | count | Actual | | | 26 | |
| | Palaemonetes vulgaris | | count | Actual | | | 26 | |
| | Paracerceis caudata | | count | Actual | | | 12 | |
| | Parachironomus | | count | Actual | | | 14 | |
| | Parachironomus carinatus | | count | Actual | | | 14 | |
| | Paralauterborniella | | count | Actual | | | 6 | |
| | Paratanytarsus | | count | Actual | | | 13 | |
| | Penaeus | | count | Actual | | | 26 | |
| | Pentaneura | | count | Actual | | | 9 | |
| | Periclimenes americanus | | count | Actual | | | 26 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Physella | | count | Actual | | | 11 | |
| | Planorbella duryi | | count | Actual | | | 11 | |
| | Pleuroceridae | | count | Actual | | | 11 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------------|---|------------|-----------------|----------------------------|-------------------------------|---------|
| FRESH 2 | Fresh Water Master List 2 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Polycentropodidae | | count | Actual | | | 62 | |
| | Polycentropus | | count | Actual | | | 62 | |
| | Polydora socialis | | count | Actual | | | 13 | |
| | Polypedilum convictum | | count | Actual | | | 16 | |
| | Polypedilum halterale | | count | Actual | | | 16 | |
| | Polypedilum illinoense | | count | Actual | | | 16 | |
| | Polypedilum scalaenum | | count | Actual | | | 16 | |
| | Polypedilum tritum | | count | Actual | | | 16 | |
| | Pristina aequiseta | | count | Actual | | | 5 | |
| | Pristina leidyi | | count | Actual | | | 5 | |
| | Pristina synclites | | count | Actual | | | 5 | |
| | Pristinella jenkiniae | | count | Actual | | | 5 | |
| | Pristinella longisoma | | count | Actual | | | 5 | |
| | Pyrgophorus platyrachis | | count | Actual | | | 11 | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | Rheotanytarsus | | count | Actual | | | 4 | |
| | Rhithropanopeus harrisii | | count | Actual | | | 0 | |
| | Slavina appendiculata | | count | Actual | | | 5 | |
| | Sphaeriidae | | count | Actual | | | 4 | |
| | Stenelmis | | count | Actual | | | 15 | |
| | Stenochironomus | | count | Actual | | | 16 | |
| | Tanaidacea | | count | Actual | | | 13 | |
| | Tanytarsus | | count | Actual | | | 13 | |
| | Thienemanniella | | count | Actual | | | 6 | |
| | Tipulidae | | count | Actual | | | 16 | |
| | Trepobates | | count | Actual | | | 9 | |
| | Tribelos | | count | Actual | | | 6 | |
| | Tribelos fuscicorne | | count | Actual | | | 6 | |
| | Trichoptera | | count | Actual | | | | |
| | Tricladida | | count | Actual | | | 9 | |
| | Tubificidae | | count | Actual | | | 5 | |
| | Valvatidae | | count | Actual | | | | |
| | Xanthidae | | count | Actual | | | | |
| | Xenanthura brevitelson | | count | Actual | | | 26 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MAR93 25 | Spring 93 25 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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21FLLOXB

Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| | <i>Acteocina canaliculata</i> | | | | | | | |
| | Amphipoda | | | | | | | |
| | <i>Ancistrosyllis carolinensis</i> | | | | | | | |
| | <i>Aricidea philibinae</i> | | | | | | | |
| | Bivalvia | | | | | | | |
| | <i>Bulla striata</i> | | | | | | | |
| | <i>Caecum pulchellum</i> | | count | Actual | | | | |
| | Callinectes | | | | | | | |
| | <i>Capitella capitata</i> | | | | | | | |
| | <i>Caulleriella alata</i> | | | | | | | |
| | <i>Cerithium floridanum</i> | | | | | | | |
| | Cirriformia | | | | | | | |
| | Cliona | | | | | | | |
| | <i>Corbula contracta</i> | | count | Actual | | | | |
| | Corophium | | | | | | | |
| | <i>Corophium acutum</i> | | | | | | | |
| | Crassostrea | | | | | | | |
| | <i>Crassostrea virginica</i> | | | | | | | |
| | Crepidula | | | | | | | |
| | <i>Crepidula maculosa</i> | | | | | | | |
| | <i>Cymadusa compta</i> | | | | | | | |
| | Eunice | | | | | | | |
| | <i>Glycinde solitaria</i> | | | | | | | |
| | <i>Hyaella azteca</i> | | | | | | | |

Characteristic Group Details

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21FLLOXB

Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Limnodriloides barnardi | | | | | | | |
| | Lysianopsis alba | | | | | | | |
| | Mediomastus | | | | | | | |
| | Menetus dilatatus | | | | | | | |
| | Mitrella lunata | | | | | | | |
| | Naineris | | | | | | | |
| | Nemertea | | | | | | | |
| | Nemertea | | | | | | | |
| | Notomastus tenuis | | | | | | | |
| | Olivella | | | | | | | |
| | Pagurus | | | | | | | |
| | Pagurus longicarpus | | | | | | | |
| | Polydora socialis | | | | | | | |
| | Prionospio | | | | | | | |
| | Prionospio cristata | | | | | | | |
| | Prionospio heterobranchia | | | | | | | |
| | Prionospio multibranchiata | | | | | | | |
| | Streblosoma hartmanae | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tanaidae | | | | | | | |
| | Terebellides stroemi | | | | | | | |
| | Tharyx marioni | | | | | | | |
| | Tubificidae | | | | | | | |
| | Tubificidae | | | | | | | |

Characteristic Group Details

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21FLLOXB

Loxahatchee River District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| SPR97-21 | St. 21 Spring 97 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|-----------------|--------------------------|---------------|
| | Alpheidae | | | | | | | |
| | Armandia | | | | | | | |
| | Bivalvia | | | | | | | |
| | Caecum pulchellum | | | | | | | |
| | Capitella capitata | | | | | | | |
| | Chione cancellata | | | | | | | |
| | Corbula contracta | | | | | | | |
| | Cyrenoida floridana | | | | | | | |
| | Glycera | | | | | | | |
| | Glycera abranchiata | | | | | | | |
| | Grandidierella bonnieroides | | | | | | | |
| | Haplotaxida | | | | | | | |
| | Laeonereis culveri | | | | | | | |
| | Leitoscoloplos | | | | | | | |
| | Macoma | | | | | | | |
| | Melita nitida | | | | | | | |
| | Nemertea | | | | | | | |
| | Owenia | | | | | | | |
| | Pinnixa | | | | | | | |
| | Platynereis dumerilii | | | | | | | |
| | Polydora | | | | | | | |

Characteristic Group Details

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21FLLOXB

Loxahatchee River District (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Scolecipis texana | | | | | | | |
| | Scoloplos rubra | | | | | | | |
| | Streblospio benedicti | | | | | | | |
| | Tagelus divisus | | | | | | | |
| | Terebellides | | | | | | | |
| | Tharyx | | | | | | | |
| | Tubificidae | | | | | | | |

Characteristic Group Details

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21FLMCGL

McGlynn Laboratories, Inc

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LCL_CHAR | Characteristic Groups for LCL | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | SOP-1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Suspended | Actual | | | | | SOP-1 | |
| CHLB | Chlorophyll-b | ug/l | Suspended | Actual | | | | | SOP-1 | |
| CHLC | Chlorophyll-c | ug/l | Suspended | Actual | | | | | SOP-1 | |
| CL | Chloride | mg/l | Total | Actual | | | | | | |
| CLOUDS | Cloud cover | % | | Actual | | | | | | |
| COLOR | Color, True | PCU | | Actual | | | | | SOP-1 | |
| CONDUCT | Specific conductance | uS/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| DO% | Dissolved oxygen saturation | % | Total | Actual | | | | | | |
| FTDS | Solids, Fixed | mg/l | Dissolved | Actual | | | | | SOP-1 | |
| FTSS | Solids, Fixed | mg/l | Suspended | Actual | | | | | SOP-1 | |
| INORGN | Nitrogen, inorganic | mg/l | Dissolved | Calculated | | | | | | |
| NH3+NH4 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | | |
| NO2+NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | | |
| PH | pH | None | Total | Actual | | | | | | |
| PO4 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| SECCHI # | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHI-C | Depth, Secchi Disk Depth | | | | | | | | | |

Characteristic Group Details

December 14, 2007 09:29:52

21FLMCGL

McGlynn Laboratories, Inc

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (Choice List) | | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | SOP-1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| TMPWATER | Temperature, water | deg C | | Actual | | | | | | |
| TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Calculated | | | | | SOP-1 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | SOP-1 | |
| TON | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |
| TOP | Phosphorus, organic as P | mg/l | Total | Calculated | | | | | | |
| TP | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | SOP-1 | |
| TURBIDIT | Turbidity | NTU | Total | Actual | | | | | | |
| VTDS | Solids, Volatile | mg/l | Dissolved | Actual | | | | | SOP-1 | |
| VTSS | Solids, Volatile | mg/l | Suspended | Actual | | | | | SOP-1 | |
| W-DIR | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| W-SPEED | Wind velocity | knots | | Actual | | | | | | |

Characteristic Group Details

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21FLNAPL

City of Naples (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|--|--------|--------|-----------|--------------|---------|
| 001 | General Weather Obs | Field Msr/Obs | Air | | | | N |
| | Description | Note wind speed/direction, cloud cover, waves, and tidal stage | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 002 | Water Chemisty--Metals | Sample | Water | | | | N |
| | Description | Calcium, | | | | | |

Characteristic Group Details

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21FLNWF

Northwest Florida Water District

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BIO1 | Biological Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | | |
| | Pheophytin-a | ug/l | Total | Actual | | | | | | |
| | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | | |
| | Total Coliform | #/100ml | Total | Actual | | | | | | |
| | Escherichia coli | #/100ml | Total | Actual | Mean | | | | | |
| | Periphyton | count | Total | Actual | | | | | | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| | Algal growth potential | mg/l | Total | Actual | | | | | | |
| 150 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | Mean | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ECON | Fecal Coliform-Membrane Filter | Sample | Water | | | | N | | | |
| Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|------------------|----------------|--------|--------|-----------|--------------|---------|
| ECON41 | econfina first 4 | Sample | Water | | | | N |
| Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | | | |

Characteristic Group Details

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21FLNWFD

Northwest Florida Water District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Total Coliform | #/100ml | Total | Actual | | | | | | |
| | Escherichia coli | #/100ml | Total | Actual | | | | | | |
| | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| FP1 | Field Parameters | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 10 | Specific conductance | umho/cm | | Actual | Mean | | | 25 Deg C | | |
| 140 | Salinity | ppt | Total | Actual | Mean | | | 25 Deg C | | |
| | Acceptable Range | 0.00000 - 50.00000 ppt | | | | | | | | |
| 20 | Temperature, water | deg C | | Actual | Mean | | | | | |
| 30 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| 40 | pH | None | Total | Actual | Mean | | | 25 Deg C | | |
| | Acceptable Range | 0.00000 - 15.00000 None | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| METALS | METALS | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Arsenic | | | | | | | | | |
| | Aluminum | | | | | | | | | |
| | Cadmium | | | | | | | | | |

Characteristic Group Details

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21FLNWFD

Northwest Florida Water District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chromium | | | | | | | | | |
| | Copper | | | | | | | | | |
| | Iron | | | | | | | | | |
| | Lead | | | | | | | | | |
| | Magnesium | | | | | | | | | |
| | Nickel | | | | | | | | | |
| | Potassium | | | | | | | | | |
| | Sodium | | | | | | | | | |
| | Zinc | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| NUT1 | Nutrients | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 50 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 60 | Nitrogen, Kjeldahl | mg/l | Total | Actual | Mean | | | | | |
| 70 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Mean | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF01 | St. Marks Parameters | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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21FLNWFD

Northwest Florida Water District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Carbon, Total Organic (Toc) | mg/l | Total | Actual | Mean | | | | | |
| | Total Coliform | #/100ml | Total | Actual | | | | | | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| | Specific conductance | umho/cm | Total | Actual | Mean | | | 25 Deg C | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | Mean | | | | | |
| | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Mean | | | | | |
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| | Temperature, water | deg C | | Actual | Mean | | | | | |
| | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | Dry | | | | |
| | Solids, Dissolved | | | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Mean | | | | | |
| | pH | None | Total | Actual | Mean | | | 25 Deg C | | |
| | Acceptable Range | 0.00000 - 15.00000 None | | | | | | | | |
| 50 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF02 | PENSICOLA TRIBUTARY MONITORING | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Northwest Florida Water District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nickel | ug/l | Total | Actual | | | | | | |
| | Zinc | ug/l | Total | Actual | | | | | | |
| | Total Coliform | #/100ml | Total | Actual | | | | | | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| 100 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Mean | | | | | |
| 120 | Turbidity | NTU | | Actual | | | | | | |
| 180 | Solids, Dissolved | mg/l | | | | | | | | |
| 190 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| 200 | Cadmium | ug/l | Total | Actual | | | | | | |
| 210 | Chromium | ug/l | Total | Actual | | | | | | |
| 220 | Copper | ug/l | Total | Actual | | | | | | |
| 230 | Lead | ug/l | Total | Actual | | | | | | |
| 50 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 60 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 70 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| NWF03 | Econfina | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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Northwest Florida Water District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Calcium | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Magnesium | mg/l | Total | Actual | | | | | | |
| | Sodium | mg/l | Total | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| | Total Coliform | #/100ml | Total | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | | |
| | Turbidity | NTU | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| | pH | None | Total | Actual | | | | | | |
| | Escherichia coli | #/100ml | Total | Actual | | | | | | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| | Fluorides | mg/l | Total | Actual | | | | | | |
| | Chloride | mg/l | Total | Actual | | | | | | |
| | Potassium | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 50 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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21FLNWFD

Northwest Florida Water District

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| NWF06 | Apalachicola Bay SW Monitoring | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Mean | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Mean | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | Mean | | | | | |
| | Arsenic | ug/l | Total | Actual | Mean | | | | | |
| | Cadmium | ug/l | Total | Actual | Mean | | | | | |
| | Copper | ug/l | Total | Actual | Mean | | | | | |
| | Lead | ug/l | Total | Actual | Mean | | | | | |
| | Nickel | ug/l | Total | Actual | Mean | | | | | |
| | Calcium as CaCO3 | mg/l | Total | Actual | Mean | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | Dry | | | | |
| | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| | Zinc | ug/l | Total | Actual | Mean | | | | | |
| | Magnesium | ug/l | Total | Actual | Mean | | | | | |
| | Iron | ug/l | Total | Actual | Mean | | | | | |
| | Chromium | ug/l | Total | Actual | Mean | | | | | |
| | Aluminum | ug/l | Total | Actual | Mean | | | | | |
| 50 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| NWF07 | Apalachicola PLRG | Sample | Water | | | | N |

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Northwest Florida Water District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Kjeldahl | mg | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg | Total | Actual | | | | | | |
| | Total Coliform | #/100ml | | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | | Total | Actual | | | | | | |
| | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | Dry | | | | |
| | Fecal Coliform | #/100ml | | Actual | | | | | | |
| 50 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| | pH | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF08 | Leon County Holding Ponds | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | None | Total | Actual | | | | | | |
| | BOD, Biochemical oxygen demand | mg/l | Total | Actual | Mean | | 5 Day | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | | |
| | Oil and Grease | mg/l | Total | Actual | | | | | | |
| | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | Mean | | | | | |
| | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF09 | MEGGINNIS ARM BASIN DIAGNOSIS | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | Mean | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Mean | | | | | |
| | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | Mean | | | | | |
| | Oil and Grease | mg/l | Total | Actual | Mean | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Copper | ug/l | Total | Actual | Mean | | | | | |
| | Zinc | ug/l | Total | Actual | Mean | | | | | |
| | Nitrogen, Kjeldahl | | | Actual | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | Mean | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | | | | | |
| | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| | Lead | ug/l | Total | Actual | Mean | | | | | |
| | Cadmium | ug/l | Total | Actual | Mean | | | | | |
| | BOD, Biochemical oxygen demand | mg/l | Total | Actual | Mean | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| NWF10S | Add'l Megginnis Arm Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Selenium | mg/l | Total | Actual | | | | | | |
| | Silver | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | mg | Total | Actual | | | | | | |
| | Mercury | mg/l | Total | Actual | | | | | | |
| | Cadmium | mg/l | Total | Actual | | | | | | |
| | Lead | mg/l | Total | Actual | | | | | | |
| | Chromium | mg/l | Total | Actual | | | | | | |
| | Barium | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 90 | Arsenic | mg/l | Total | Actual | | | | | | |
| | Phosphorus as P | mg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF10W | Add'l Megginnis Arm water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Mean | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | Mean | | | | | |
| 10 | Specific conductance | umho/cm | | Actual | | | | | | |
| 110 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| 20 | Temperature, water | deg C | | Actual | | | | | | |
| 30 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 40 | pH | None | | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF11 | Lake Jackson Sewer-Septic WQ | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Escherichia coli | #/100ml | Total | Actual | | | | | | |
| | Total Coliform | #/100ml | Total | Actual | | | | | | |
| | Boron | ug/l | Total | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Salinity | ppt | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF12 | Tates Hell Restoration | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |
| | pH | None | Total | Actual | | | | | | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Turbidity | NTU | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Depth | m | | Actual | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| NWF13 | Apalachicola Bay and River | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| 130 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |
| 160 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | | |
| 170 | Pheophytin-a | ug/l | Total | Actual | | | | | | |
| 60 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 70 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| NWF14 | SWAMP | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| | pH | | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Fecal Coliform | #/100ml | | Actual | | | | | | |
| | Depth, bottom | m | | Actual | | | | | | |
| | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| | Color, True | PCU | | Actual | | | | | | |
| | Total Coliform | #/100ml | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | Dry | | | | |
| | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Mean | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PHOSP | Total & Dissolved Phosphorus | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| PHYS1 | Physical Parameters | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 100 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Mean | | | | | |
| 110 | Solids, Total Suspended (TSS) | mg/l | | Actual | Mean | Dry | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 120 | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| 130 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | Mean | | | | | |
| | Solids, Dissolved | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| PITT | Pitt & Williford Spr Nutrients | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Alkalinity, Bicarbonate as CaCO3 | | Total | Actual | | | | | | |
| | Chloride | | Total | Actual | | | | | | |
| | Fluorides | | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate | | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (NO3) as N | | | | | | | | | |
| | Carbon, Total Organic (Toc) | | Total | Actual | | | | | | |
| | Magnesium | | Total | Actual | | | | | | |
| | Sodium | | Total | Actual | | | | | | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Turbidity | NTU | | Actual | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | | |
| | Potassium | | Total | Actual | | | | | | |
| | Calcium | | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | | Total | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | | Total | Actual | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| SANDHILL | Sandhill Lakes | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Kjeldahl | | Total | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Mean | | | | | |
| | pH | None | Total | Actual | Mean | | | 25 Deg C | | |
| | Acceptable Range | 0.00000 - 15.00000 | None | | | | | | | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | Mean | | | 25 Deg C | | |
| | Solids, Total Suspended (TSS) | mg/l | | Estimated | Mean | Dry | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | Mean | | | | | |
| | Turbidity | NTU | | Actual | Mean | Wet | | | | |
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| 80 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 90 | Phosphorus as P | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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21FLORAN

Orange County Environmental Protection (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| AG | Silver | Sample | Water | | | | N |

Citations USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| ALK | Alkalinity | Sample | Water | | | | N |

Citations USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| BOD | Biochemical Oxygen Demand | Sample | Water | | | | N |

Citations USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| CHLORIDE | Chloride | Sample | Water | | | | N |

Citations USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| COLOR | Color | Sample | Water | | | | N |

Citations USEPA, 1999, EPA Methods and Guidance for the Analysis of Water, Version 2.0., USEPA, EPA 821/C-99-008

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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FIELD | Field Analyses | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | FT_1500 | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| PH | pH | None | | Actual | | | | | FT_1100 | |
| | Acceptable Range | 1.00000 - 14.00000 None | | | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | FT_1700 | |
| | Acceptable Range | 0.00000 - 5.00000 m | | | | | | | | |
| SECCHICL | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| SPCOND | Specific conductance | uS/cm | | Actual | | | | | FT_1200 | |
| | Acceptable Range | 0.00000 - 650.00000 uS/cm | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | FT_1400 | |
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAB1 | Inorganic+Metals/Lake Sampling | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 10.00000 - 125.00000 mg/l | | | | | | | | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | | 405.1 | |
| | Acceptable Range | 1.50000 - 15.00000 mg/l | | | | | | | | |
| BRYLLIUM | Beryllium | ug/l | Total | Actual | Mean | | | | 210.2 | |
| | Acceptable Range | 0.00000 - 0.13000 ug/l | | | | | | | | |

Characteristic Group Details

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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CADMIUM | Cadmium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| CALCIUM | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 215.1 | |
| CBOD | BOD, carbonaceous Acceptable Range | mg/l | Total | Actual | | | | | 5210-B | |
| CHLOR A | Chlorophyll a, corrected for pheophytin Acceptable Range | mg/m3 | Non-filterable | Actual | | | | | 10200-H | |
| CHROMIUM | Chromium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| COLOR | Color, True Acceptable Range | PCU | | Estimated | | | | | 2120-B | |
| COPPER | Copper Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| FECAL | Fecal Coliform Acceptable Range | #/100ml | Non-filterable | Estimated | | | 24 Hours | | 9222-D | |
| HARDNESS | Hardness, Ca + Mg Acceptable Range | mg/l | Total | Calculated | | | | | 2340 | |
| IRON | Iron Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| LEAD | Lead Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| MERCURY | Mercury Acceptable Range | ug/l | Total | Actual | | | | | 245.1 | |
| MGNESIUM | Magnesium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| NH3 | Nitrogen, ammonia as N Acceptable Range | mg/l | Filterable | Actual | | | | | 350.1 | |
| NICKEL | Nickel Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |

Characteristic Group Details

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21FLORL

Orlando Streets Drainage Stormwater Utility Bureau(Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO2 | Nitrogen, Nitrite (NO2) as N Acceptable Range | mg/l 0.00000 - 0.45000 mg/l | Filterable | Actual | | | | | 354.1 | |
| NO3 | Nitrogen, Nitrate (NO3) as N Acceptable Range | mg/l 0.00000 - 0.45000 mg/l | Filterable | Actual | | | | | 353.2 | |
| OP | Phosphorus, orthophosphate as P Acceptable Range | mg/l 0.00000 - 0.10000 mg/l | Filterable | Actual | | | | | 365.1 | |
| SELENIUM | Selenium Acceptable Range | ug/l 0.00000 - 5.00000 ug/l | Total | Actual | | | | | 270.2 | |
| SILVER | Silver Acceptable Range | ug/l 0.00000 - 1.00000 ug/l | Total | Actual | | | | | 272.2 | |
| TDS | Solids, Dissolved Acceptable Range | mg/l 1.00000 - 300.00000 mg/l | Filterable | Actual | | | | | 160.1 | |
| TKN | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.00000 - 2.00000 mg/l | Total | Actual | | | | | 351.2 | |
| TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) Acceptable Range | mg/l 0.00000 - 2.00000 mg/l | Total | Calculated | | | | | 351.2 | |
| TP | Phosphorus as P Acceptable Range | mg/l 0.00000 - 0.25000 mg/l | Total | Actual | | | | | 365.4 | |
| TSS | Solids, Total Suspended (TSS) Acceptable Range | mg/l 1.00000 - 20.00000 mg/l | Total | Actual | | | | | 160.2 | |
| TVSS | Solids, Volatile Acceptable Range | mg/l 1.00000 - 20.00000 mg/l | Non-filterable | Actual | | | | | 160.4 | |
| ZINC | Zinc Acceptable Range | ug/l 0.00000 - 15.00000 ug/l | Total | Actual | | | | | 200.7(W) | |

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21FLPBCH Palm Beach County Environmental Resources Managemnt(Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| COL_1 | COL BIOSYSTEMS SAMPLE DATA | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrate (NO3) as N | | Total | Actual | | | | | 300(A) | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| | Copper | | Total | Actual | | | | | 6010B | |
| | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 2340 | |
| | Lead | | Total | Actual | | | | | 6010B | |
| | Magnesium | mg/l | Total | Actual | | | | | 6010B | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| | Zinc | | Total | Actual | | | | | 6010B | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Phosphorus, orthophosphate as P | | Total | Actual | | | | | 365.1 | |
| | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 445 | |
| | Hardness, Mg | mg/l | Total | Actual | | | | | 2340 | |
| | Nitrogen, Nitrite (NO2) as N | | Total | Actual | | | | | 300(A) | |
| | Arsenic | | Total | Actual | | | | | 6010B | |
| | Cadmium | | Total | Actual | | | | | 6010B | |

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Palm Beach County Environmental Resources Managemnt(Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Calcium | mg/l | Total | Actual | | | | | 6010B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| SYS 3 | 2005 Fresh | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| | Arsenic | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Cadmium | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Hardness, Ca + Mg | mg/l CaCO3 | Total | Actual | | | | | 130.2 | |
| | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | |
| | Turbidity | NTU | Total | Actual | | | | | 2130 | |
| | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |

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21FLPBCH Palm Beach County Environmental Resources Managemnt(Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| TIDAL | NPDES TIDAL | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| | Nitrogen, Kjeldahl | | Total | Actual | | | | | 351.2 | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Turbidity | NTU | Total | Actual | | | | | 2130 | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | 351.2 | |
| | Phosphorus, orthophosphate as P | | Total | Actual | | | | | 365.1 | |
| | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 445 | |
| | Nitrogen, ammonia as N | | Total | Actual | | | | | 350.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WQ 2 | coliform | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Total Coliform | #/100ml | Total | Actual | | | | | 3.4 | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | 3.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| WQ FRESH | WQ FRESH WATER SITES | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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Palm Beach County Environmental Resources Managemnt(Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Wet | | | 160.2 | |
| 10 | Cadmium | ppb | Total Recovrble | Actual | | | | | 213.2 | |
| 11 | Lead | ppb | Total Recovrble | Actual | | | | | 239.2 | |
| 12 | Zinc | ppb | Total Recovrble | Actual | | | | | 289.1 | |
| 13 | Copper | ppb | Total Recovrble | Actual | | | | | 3111-C | |
| 14 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | 10200-H | |
| 15 | Chlorophyll a, corrected for pheophytin | mg/m3 | | Actual | | | | | 10200-H | |
| 16 | Total Coliform | #/100ml | Total | Actual | | | | | 3.4 | |
| 17 | Fecal Coliform | #/100ml | Total | Actual | | | | | 3.4 | |
| 18 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| 2 | Hardness, carbonate | mg/l | | Actual | | | | | 130.2 | |
| 3 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | 410.4 | |
| 4 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 5 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | 365.1 | |
| 6 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 353.2 | |
| 7 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.1 | |
| 8 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| 9 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | 353.2 | |

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Palm Beach County Environmental Resources Managemnt(Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| WQ OBS | WQ FIELD MSR/OBS | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | Wet | | | 2550 | |
| 2 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| 3 | pH | None | | Actual | | | | | 4500-H | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| 4 | Salinity | ppt | | Calculated | | | | | 2520-B | |
| 5 | Specific conductance | uS/cm | | Actual | | Wet | | | 2510 | |
| 6 | Turbidity | NTU | | Actual | | | | | 2130 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| WQ OLD | Old Water Quality Parameters | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.2 | |
| 10 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| 11 | Cadmium | mg/l | Total Recovrble | Actual | | | | | 213.2 | |
| 12 | Lead | mg/l | Total Recovrble | Actual | | | | | 239.2 | |
| 13 | Zinc | mg/l | Total Recovrble | Actual | | | | | 289.1 | |
| 14 | Copper | mg/l | Total Recovrble | Actual | | | | | 3111-C | |
| 15 | Total Coliform | #/100ml | Total | Actual | | | | | 3.4 | |

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Palm Beach County Environmental Resources Managemnt(Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Fecal Coliform | #/100ml | Total | Actual | | | | | 3.4 | |
| 2 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Wet | | | 160.2 | |
| 3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 353.2 | |
| 4 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | 353.2 | |
| 5 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | 365.1 | |
| 6 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.1 | |
| 7 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | 410.4 | |
| 8 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 9 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WQ2003 | 2003 labs | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Total Coliform | #/100ml | Total | Actual | | | | | 3.4 | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | 3.4 | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | Wet | | | 160.2 | |
| | Nitrogen, Nitrate (NO3) as NO3 | | | Actual | | | | | 353.2 | |
| | Nitrogen, ammonia (NH3) as NH3 | | | Actual | | | | | 350.1 | |
| | Phosphorus, orthophosphate as | | | Actual | | | | | 365.1 | |

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Palm Beach County Environmental Resources Managemnt(Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | P | | | | | | | | | |
| | Nitrogen, Nitrite (NO2) as NO2 | | | Actual | | | | | 353.2 | |
| | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | 10200-H | |
| | Depth, Secchi Disk Depth | | | | | | | | | |

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21FLPDEM

Pinellas County Dept. of Environmental Management (Florida)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACT | BACTERIA | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Total Coliform | #/100ml | | Actual | | | | | TCOLI | |
| 2 | Fecal Coliform | #/100ml | | Actual | | | | | F COLIFORM | |
| 3 | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | F STREP | |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG 001 | General Station Observations | Field Msr/Obs | Water | | | | N |

Citations Pinellas County Department of Environmental Management, 1998, 1998 Comprehensive Quality Assurance Plan, Pinellas County Department of Environmental Management, 1

Description This is a group of direct measurements and observations which are performed at each Station Visit.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth | m | | Actual | | | | | HYDROLAB 001 | |
| 2 | Temperature, water | deg C | | Actual | | | | | HYDROLAB 002 | |
| 3 | Specific conductance | mho/cm | | Actual | | | | | HYDROLAB 005 | |
| 4 | Oxidation reduction potential (ORP) | volts | | Actual | | | | | HYDROLAB 006 | |
| 5 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | HYDROLAB 004 | |
| 6 | pH | units | | Actual | | | | | HYDROLAB 003 | |
| 7 | Salinity | ppt | | Actual | | | | | HYDROLAB 007 | |
| 8 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI 001 | |

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Pinellas County Dept. of Environmental Management (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 9 | Depth, bottom | m | | Actual | | | | | HYDROLAB 009 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| CG 002 | Water Chem, acidified H2SO4 | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| Description | | General list of analysis from our 1 quart containers | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrogen, Kjeldahl | mg/l | Fixed | Actual | | | | | 351.2 | |
| Acceptable Range | | 0.00000 - 15.00000 mg/l | | | | | | | | |
| 2 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Fixed | Actual | | | | | SM4500 NH3H | |
| Acceptable Range | | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Fixed | Calculated | | | | | SM4500 NO3 F | |
| Acceptable Range | | 0.00000 - 15.00000 mg/l | | | | | | | | |
| 4 | Phosphorus as P | mg/l | Fixed | Actual | | | | | 365.4 | |
| Acceptable Range | | 0.00000 - 15.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|--|------------|------------|-----------|--------------|---------|
| CG 003 | Fish Measurement 001 | Sample | Biological | Individual | | | N |
| Description | | Field determination of whole fish physical characteristics | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Length, Fork (Fish) | mm | | Actual | | | | | FISH | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|----------------------------|----------------------------|
| 2 | Length, Standard (Fish) | mm | | Actual | | | | | MEASURE FISH MEASURE | |
| 3 | Length, Total (Fish) | mm | | Actual | | | | | FISH MEASURE | |
| 4 | Lifestage (choice list) | | | | | | | | FISH MEASURE | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|------------|-----------------|-------------|-------------------------------|---------|
| CG 004 | Fish Measurement 002 | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |

Description Field determination of fish species and count

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Alosa | | count | Actual | | | | |
| 10 | Arius felis | | count | Actual | | | | |
| 11 | Achirus lineatus | | count | Actual | | | | |
| 12 | Ameiurus catus | | count | Actual | | | | |
| 13 | Anchoa mitchilli | | count | Actual | | | | |
| 14 | Anguilla rostrata | | count | Actual | | | | |
| 15 | Archosargus probatocephalus | | count | Actual | | | | |
| 16 | Bairdiella chrysoura | | count | Actual | | | | |
| 17 | Brevoortia | | count | Actual | | | | |
| 18 | Brevoortia patronus | | count | Actual | | | | |
| 19 | Brevoortia smithi | | count | Actual | | | | |
| 2 | Engraulidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 20 | Caranx hippos | | count | Actual | | | | |
| 21 | Centropomus undecimalis | | count | Actual | | | | |
| 22 | Clupeidae | | count | Actual | | | | |
| 23 | Cynoscion arenarius | | count | Actual | | | | |
| 24 | Cynoscion nebulosus | | count | Actual | | | | |
| 25 | Cynoscion nothus | | count | Actual | | | | |
| 26 | Cyprinodon variegatus | | count | Actual | | | | |
| 27 | Dorosoma cepedianum | | count | Actual | | | | |
| 28 | Dorosoma petenense | | count | Actual | | | | |
| 29 | Elops saurus | | count | Actual | | | | |
| 3 | Micropterus salmoides | | count | Actual | | | | |
| 30 | Enneacanthus gloriosus | | count | Actual | | | | |
| 31 | Erimyzon sucetta | | count | Actual | | | | |
| 32 | Esox niger | | count | Actual | | | | |
| 33 | Etheostoma | | count | Actual | | | | |
| 34 | Etheostoma fusiforme | | count | Actual | | | | |
| 35 | Eucinostomus gula | | count | Actual | | | | |
| 36 | Fundulus grandis | | count | Actual | | | | |
| 37 | Fundulus majalis | | count | Actual | | | | |
| 38 | Gambusia holbrooki | | count | Actual | | | | |
| 39 | Labidesthes sicculus | | count | Actual | | | | |
| 4 | Callinectes sapidus | | count | Actual | | | | |
| 40 | Lagodon rhomboides | | count | Actual | | | | |
| 41 | Leiostomus xanthurus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 42 | Lepisosteus osseus | | count | Actual | | | | |
| 43 | Lepisosteus platostomus | | count | Actual | | | | |
| 44 | Lepomis gulosus | | count | Actual | | | | |
| 45 | Lepomis macrochirus | | count | Actual | | | | |
| 46 | Lepomis microlophus | | count | Actual | | | | |
| 47 | Lepomis punctatus | | count | Actual | | | | |
| 48 | Menidia menidia | | count | Actual | | | | |
| 49 | Menticirrhus americanus | | count | Actual | | | | |
| 5 | Amia calva | | count | Actual | | | | |
| 50 | Menticirrhus saxatilis | | count | Actual | | | | |
| 51 | Micropogonias undulatus | | count | Actual | | | | |
| 52 | Mugil cephalus | | count | Actual | | | | |
| 53 | Mugil curema | | count | Actual | | | | |
| 54 | Notemigonus crysoleucas | | count | Actual | | | | |
| 55 | Notropis | | count | Actual | | | | |
| 56 | Noturus gyrinus | | count | Actual | | | | |
| 57 | Opsanus beta | | count | Actual | | | | |
| 58 | Palaemonetes | | count | Actual | | | | |
| 59 | Penaeus duorarum | | count | Actual | | | | |
| 6 | Ameiurus natalis | | count | Actual | | | | |
| 60 | Pogonias cromis | | count | Actual | | | | |
| 61 | Pomoxis nigromaculatus | | count | Actual | | | | |
| 62 | Prionotus tribulus | | count | Actual | | | | |
| 63 | Strongylura marina | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 64 | Syngnathus louisianae | | count | Actual | | | | |
| 65 | Trinectes maculatus | | count | Actual | | | | |
| 7 | Ameiurus nebulosus | | count | Actual | | | | |
| 8 | Ictalurus punctatus | | count | Actual | | | | |
| 9 | Bagre marinus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG 005 | Water Chemistry- Amber | Sample | Water | | | | N |

Description General list of analysis from our 1L amber containers

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Non-filterable | Actual | | | | | SM10200 H 001 | |
| | Acceptable Range | 0.00000 - 300.00000 mg/m3 | | | | | | | | |
| 2 | Chlorophyll-b | mg/m3 | Non-filterable | Actual | | | | | SM10200 H 002 | |
| | Acceptable Range | 0.00000 - 3,000.00000 mg/m3 | | | | | | | | |
| 3 | Chlorophyll-c | mg/m3 | Non-filterable | Actual | | | | | SM10200 H 003 | |
| | Acceptable Range | 0.00000 - 300.00000 mg/m3 | | | | | | | | |
| 4 | Pheophytin-a | mg/m3 | Non-filterable | Calculated | | | | | SM10200 H 004 | |
| | Acceptable Range | 0.00000 - 300.00000 mg/m3 | | | | | | | | |
| 5 | Chlorophyll a, corrected for pheophytin | mg/m3 | Non-filterable | Actual | | | | | SM10200 H 001 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG 006 | Water Chemistry -1/2 gallon | Sample | Water | | | | N |

Description Analysis from 1/2 gallon containers

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Turbidity Acceptable Range | NTU 0.00000 - 1,500.00000 NTU | | Actual | | | | | SM2130 B | |
| 2 | Solids, Fixed Acceptable Range | mg/l 0.00000 - 1,500.00000 mg/l | Non-filterable | Actual | | | | | SM2540 B | |
| 3 | BOD, Biochemical oxygen demand Acceptable Range | mg/l 0.00000 - 75.00000 mg/l | | Actual | | | 5 Day | 25 Deg C | SM5210 B | |
| 4 | Chloride Acceptable Range | mg/l 0.00000 - 800.00000 mg/l | | Actual | | | | | SM4500-CL B | |
| 5 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l 0.00000 - 500.00000 mg/l | Fixed | Actual | | | | | 375.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------|--|--------|--------|-----------|--------------|---------|
| CG 007 | Habitat Assessment | Field Msr/Obs | | | | | Y |
| Description | | Habitat assessment by direct measurement and observation | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------|-------------------------------------|--------|--------|-----------|--------------|---------|
| CG 008 | Water Chemistry - ortho | Sample | Water | | | | N |
| Description | | analysis from a 125 mL ortho bottle | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Phosphorus, orthophosphate as P Acceptable Range | mg/l 0.00000 - 20.00000 mg/l | | Actual | | | | | SM4500-P F | LSP 001 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG 009 | Water Chem, acidified nitric | Sample | Water | | | | N |

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Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition
Description analysis is from a nitric washed 125mL container

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-FLD | Field Obs. and measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00001 | Depth | m | | Actual | | | | | | |
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Actual | | | | | | |
| 00035 | Wind velocity | mph | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00098 | Depth, data-logger (non-ported) | m | | Actual | | | | | | |
| 00129 | Precipitation | in | | Actual | | | 24 Hours | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 00301 | Dissolved oxygen saturation | % | Total | Actual | | | | | STANDMETH | |
| 00400 | pH | None | Total | Actual | | | | | STANDMETH | |
| 00480 | Salinity | ppt | | Actual | | | | | | |
| 70222 | Wave height | m | | Actual | | | | | | |
| 82903 | Depth, bottom | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-LAB | Laboratory Analysis | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00010 | Temperature, water | deg C | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Estimated | | | | | | |
| 00035 | Wind velocity | mph | | Estimated | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Estimated | | | | | | |
| 00076 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 00080 | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| 00081 | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00095 | Specific conductance | umho/cm | | Estimated | | | | 25 Deg C | | |
| 00123 | Precipitation | in | | Estimated | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Estimated | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00403 | pH | None | | Actual | | | | | STANDMETH | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | LAB |
| 00480 | Salinity | ppt | | Actual | | | | | STANDMETH | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| 00610 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 00619 | Ammonia, unionized | mg/l | Total | Actual | | | | | | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | 351.2 |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | 365.4 |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300.0 | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300.0 | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 6010 MOD | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 6010 MOD | |
| 31501 | Total Coliform | #/100ml | | Actual | | | | | STANDMETH | |
| 31616 | Fecal Coliform | #/100ml | | Actual | | | | | STANDMETH | |
| 31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | STANDMETH | |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | STANDMETH | |
| 70300 | Solids, Fixed | mg/l | Total | Actual | | | | | 160.1 | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Dissolved oxygen saturation | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHL-PHAE | ChlA/Phaeophyton-SM 10200H Mod | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | SM10200H MOD | SOP-BB02 |
| 32218 | Pheophytin-a | ug/l | Total | Actual | | | | | SM10200H MOD | SOP-BB02 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| COLOR | EPA 110.2 | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00081 | Color, True | PCU | Total | Actual | | | | | 110.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|----------|--------|-----------|--------------|---------|
| DIOXIN | Dioxin Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 73328 | Dioxins and Furans (unspecified mix) | pg/g | Total | Estimated | | Dry | | | 8290 | 3540-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| DOTEMP | DO/Temp-Varied Depths | Field Msr/Obs | Water | | | | N |

Description Field measurements taken at varied depths

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 00403 | pH | None | | Actual | | | | | | |
| 00480 | Salinity | ppt | | Actual | | | | | | |
| 85327 | Depth | ft | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| EPA 300 | EPA 300.0 (A) | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300.0 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300.0 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|----------|--------|-----------|--------------|---------|
| EPA8081 | Organochlorine Pesticides | Sample | Sediment | | | | N |

Citations USEPA, UNK, USEPA - Not listed in STORET tables, USEPA, unk

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34257 | BHC-beta | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 34262 | BHC-delta | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 34354 | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 34359 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 34364 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39076 | BHC-alpha | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39311 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39321 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39333 | Aldrin | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39343 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39351 | Chlordane | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39383 | Dieldrin | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39393 | Endrin | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39403 | Toxaphene | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 39423 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39481 | Methoxychlor | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 75044 | Heptachlor | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |
| 82633 | Endrin Aldehyde | ug/kg | Total | Actual | | | | | 8081(S) | 3550-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|----------|--------|-----------|--------------|---------|
| EPA8141A | Organophosphorus Pesticides | Sample | Sediment | | | | N |

Citations USEPA, UNK, USEPA - Not listed in STORET tables, USEPA, unk

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 38743 | Chlorpyrifos-methyl | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 38858 | Naled | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 38923 | Metolachlor | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39046 | Simazine | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39399 | Ethion | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39531 | Malathion | ug/kg | Total | Actual | | | | | | 3550-B |
| 39541 | Parathion | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39571 | Diazinon | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39581 | Azinphos-methyl | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39601 | Methyl parathion | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 39631 | Atrazine | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 78505 | Ametryne | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 78688 | Prometryn | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 79792 | Chloropyrifos | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 81407 | Alachlor | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 81409 | Metribuzin | ug/g | Total | Actual | | | | | 8141A(S) | 3550-B |
| 81412 | Phorate | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 81889 | Azodrin | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 82288 | Ethoprop | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 82408 | Fonofos | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |
| 82643 | Phosdrin | ug/kg | Total | Actual | | | | | 8141A(S) | 3550-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FLUORIDE | EPA 340.2 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| GENERAL | General chemistry - water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | | Actual | | | | | | |
| 00080 | Color, True | PCU | | Actual | | | | | | |
| 00095 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| 00403 | pH | std units | | Actual | | | | | | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| 00480 | Salinity | ppt | | Calculated | | | | | | |
| 00530 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | | |
| 00556 | Oil and Grease | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00625 | Nitrogen, Kjeldahl | mg/l - N | Total | Actual | | | | | 351.2 | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l - N | | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |
| 00900 | Hardness, Ca + Mg | mg/l | | Actual | | | | | | |
| 00940 | Chloride | mg/l | | Actual | | | | | 300.0 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | 300.0 | |
| 31616 | Fecal Coliform | #/100ml | | Actual | | | | | | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Calculated | | | | | | |
| 80082 | BOD, carbonaceous | mg/l | | Actual | | | 5 Day | 20 Deg C | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| ICPMETAL | ICP Metals in Sed-EPA 6020 | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01003 | Arsenic | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01013 | Beryllium | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01028 | Cadmium | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01038 | Cobalt | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01043 | Copper | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01052 | Lead | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01078 | Silver | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |
| 01148 | Selenium | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34480 | Thallium | mg/kg | Total | Actual | | | | | 6020 ICP MS | 3050-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------------------------|--|----------|--------|-----------|--------------|---------|
| MERCURY | Mercury Analysis DEP HG-008-3 | Sample | Sediment | | | | N |
| Citations | | FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 30280 | Mercury | mg/kg | Total | Actual | | | | | HG-008-3 | SOP-HG-020 |
| 71921 | Mercury | mg/kg | Total | Actual | | | | | HG-008-3 | SOP-HG-020 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|--|--------|--------|-----------|--------------|---------|
| METALNA | EPA 200.1 | Sample | Water | | | | N |
| Citations | | FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00916 | Calcium | mg/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |
| 00929 | Sodium | mg/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |
| 00937 | Potassium | mg/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.1(FLAA) | 200.2 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| METALS1 | METALS - EPA 200.8 MOD | Sample | Water | | | | N |

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Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01002 | Arsenic | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01012 | Beryllium | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01059 | Thallium | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.8 MOD | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.8 MOD | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| METALS2 | Metals-EPA 200.7 mod. | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00916 | Calcium | mg/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 00929 | Sodium | mg/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 00937 | Potassium | mg/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01022 | Boron | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01082 | Strontium | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01087 | Vanadium | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01092 | Zinc | ug/l | Total | Actual | | | | | | 200.2 |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01102 | Tin | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |
| 01152 | Titanium | ug/l | Total | Actual | | | | | 200.7 MOD | 200.2 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------------|--|----------|--------|-----------|--------------|---------|
| METALS3 | Metals - EPA 6010 mod. | Sample | Sediment | | | | N |
| Citations | | FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01003 | Arsenic | mg/kg | Total | Actual | | | | | 6010 MOD | 3050 |
| 01008 | Barium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01013 | Beryllium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01023 | Boron | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01028 | Cadmium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01029 | Chromium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01038 | Cobalt | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01043 | Copper | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01052 | Lead | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01053 | Manganese | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01063 | Molybdenum | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01068 | Nickel | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01078 | Silver | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01083 | Strontium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01088 | Vanadium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01093 | Zinc | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01098 | Antimony | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 01108 | Aluminum | mg/kg | Total | Actual | | | | | 6010 MOD | 3050 |
| 01148 | Selenium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |
| 34480 | Thallium | mg/kg | Total | Actual | | | | | 6010 MOD | 3050-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| ORGANIC1 | Semivolatiles-EPA 625/8270 mod | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34200 | Acenaphthylene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34205 | Acenaphthene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34220 | Anthracene | ug/l | Total | Actual | | | | | 625/8270 MOD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34230 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34242 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34247 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34273 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34278 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34283 | Dichlorodiisopropyl ether, 2,2'- | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34292 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34320 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34336 | Diethyl phthalate | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34341 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34356 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34376 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34381 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34386 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34391 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34396 | Hexachloroethane | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34403 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34408 | Isophorone | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34428 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34433 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34438 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34447 | nitro-Benzene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34461 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34469 | Pyrene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34521 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34526 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 625/8270 MOD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34556 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34581 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34596 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34611 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34626 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34631 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34636 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34641 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 34696 | Naphthalene | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 39110 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 39120 | Benzidine | ug/l | Total | Actual | | | | | 625/8270 MOD | |
| 39700 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 625/8270 MOD | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| ORGANIC2 | Semi-volatiles, EPA 8270 mod. | Sample | Sediment | | | | N |
| Citations | FDEP, UNK, USEPA - Modified, Central Lab, Unknown, unk | | | | | | |
| Description | Prep Method Confirmed as 3550-B | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34203 | Acenaphthylene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34208 | Acenaphthene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34223 | Anthracene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34233 | Benzo[b]fluoranthene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34245 | Benzo[k]fluoranthene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34250 | Benzo[a]pyrene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34257 | BHC-beta | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34262 | BHC-delta | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34276 | bis(2-chloroethyl) ether | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34281 | bis(2-chloroethoxy) methane | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34286 | Dichlorodiisopropyl ether, 2,2'- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34323 | Chrysenes C1-C4 | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34339 | Diethyl phthalate | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34344 | Dimethyl phthalate | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34349 | Diphenylhydrazine, 1,2- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34354 | Endosulfan Sulfate | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34359 | Endosulfan, beta- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34364 | Endosulfan, alpha- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34379 | Fluoranthenes, C1-C4 | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34384 | Fluorenes, C1-C3 | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34394 | Hexachlorobutadiene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34399 | Hexachloroethane | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34406 | Indeno[1,2,3-cd]pyrene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34411 | Isophorone | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34431 | n-Nitrosodipropylamine | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34436 | n-Nitrosodiphenylamine | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34441 | Nitrosodimethylamine, n- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34445 | Naphthalene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34450 | nitro-Benzene | ug/kg | Total | Actual | | | | | 8270 MOD | 3550-B |
| 34455 | 4-Chloro-3-methylphenol | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34464 | Phenanthrenes, C1-C4 | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34472 | Pyrene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34529 | Benzo[a]anthracene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34539 | 1,2-Dichlorobenzene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34559 | Dibenzo[a,h]anthracene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34569 | 1,3-Dichlorobenzene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34574 | 1,4-Dichlorobenzene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34584 | Chloronaphthalene-2 | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34589 | Chlorophenol-2 | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34594 | Nitrophenol, 2- | ug/kg | Total | Actual | | | | | 8270 MOD | 3550-B |
| 34599 | bis(n-octyl) Phthalate | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34604 | 2,4-Dichlorophenol | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34614 | 2,4-Dinitrotoluene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34619 | Dinitrophenol, 2,4- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34624 | 2,4,6-Trichlorophenol (TCPh) | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34629 | 2,6-Dinitrotoluene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34634 | Dichlorobenzidine, 3,3'- | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34639 | Bromophenyl-4 phenyl ether | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34644 | Chlorophenyl-4 phenyl ether | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34649 | p-Nitrophenol | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34660 | Dinitro-o-cresol | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 34695 | Phenol | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 39102 | bis(2-ethylhexyl) phthalate (DEHP) | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 39112 | Dibutyl phthalate | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 39311 | DDD ***retired*** (use DDD, | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | p,p') | | | | | | | | | |
| 39343 | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 73133 | Cresol, m- | ug/kg | Total | Actual | | | | | 8270 MOD | 3550-B |
| 73252 | Benzidine | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 73312 | Pyridine | ug/kg | Total | Actual | | | | | 8270 MOD | 3550-B |
| 73348 | Aldrin | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75039 | 1,2,4-Trichlorobenzene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75041 | BHC-alpha | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75042 | Hexachlorobenzene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75044 | Heptachlor | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75045 | Heptachlor epoxide | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75046 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75047 | Dieldrin | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 75048 | Endrin | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 78329 | Hexachlorocyclopentadiene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 78401 | Trichlorophenol, 2,4,5- | ug/kg | Total | Actual | | | | | 8270 MOD | 3550-B |
| 78800 | Butyl benzyl phthalate | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 78828 | Benzo[g,h,i]perylene | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 78872 | Cresol, o- | ug/kg | Total | Actual | | | | | 8270 MOD | 3550-B |
| 78873 | Pentachlorophenol (PCP) | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 79402 | 2,4-Dimethylphenol | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |
| 82633 | Endrin Aldehyde | ug/kg | | Actual | | | | | 8270 MOD | 3550-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------------|--|--------|--------|-----------|--------------|---------|
| SCIRECON | SCI RECON WQ SAMPLE | Sample | Water | | | | N |
| Description | | Water Quality results Field/Lab Watershed Monitoring NWD | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| SEA3 | Monitoring Project | Field Msr/Obs | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

Description Water quality parameters for field measurements, bacterial, and chemical analysis

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00001 | Depth | m | | Actual | | | | | | |
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00031 | Light attenuation at measurement depth | | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Estimated | | | | | | |
| 00035 | Wind velocity | mph | | Estimated | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Estimated | | | | | | |
| 00045 | Precipitation | in | | Actual | | | | | | |
| 00076 | Turbidity | NTU | | Actual | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00080 | Color, True | PCU | | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00095 | Specific conductance | umho/cm | | Calculated | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 4.00000 - 10.00000 mg/l | | | | | | | | |
| 00400 | pH | None | | Actual | | | | 25 Deg C | | |
| | Acceptable Range | 6.50000 - 8.50000 None | | | | | | | | |
| 00480 | Salinity | ppt | | Actual | | | | | | |
| 00530 | Solids, Total Suspended (TSS) | ppm | | Actual | | Dry | | | STANDMETH | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | | |
| 00625 | Nitrogen, Kjeldahl | mg/l | | Calculated | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| 00665 | Phosphorus as P | mg/l | | Actual | | | | | | |
| 31649 | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| 32210 | Chlorophyll a, uncorrected for pheophytin Width | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------|---|----------|--------|-----------|--------------|---------|
| SEDSOLID | Percent Solids | Sample | Sediment | | | | N |
| Citations | | American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 81373 | Solids, Total Suspended (TSS) | % | Total | Actual | | | | | 2540G SM | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| WATSON | Watson Bayou Project Parameter | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00076 | Turbidity | NTU | | Actual | | | | | | |
| 00078 | Depth, Secchi Disk Depth | ft | | Actual | | | | | | |
| 00080 | Color, True | PCU | | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 00301 | Dissolved oxygen saturation | % | | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 5210-B | |
| 00400 | pH | None | | Actual | | | | | | |
| 00403 | pH | None | | Actual | | | | 25 Deg C | | |
| 00480 | Salinity | ppt | | Actual | | | | | | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | STANDMETH | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.1 | |
| 00625 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| 00665 | Phosphorus as P | mg/l | | Actual | | | | | | |
| 32210 | Chlorophyll a, corrected for pheophytin | ug/l | Filterable | Actual | | | | | STANDMETH | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | Filterable | Actual | | | | | STANDMETH | |
| 85327 | Depth, bottom | ft | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-01 | Lake Monitoring Field | Field Msr/Obs | Water | | | | N |

Citations Polk County, 1984, YSI, Polk County, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | Wet | | | DEP SOP FT 1400 | |
| 121 | Turbidity | NTU | | Actual | | Wet | | | FT 1600 | |
| 3 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | DEP SOP FT 1500 | |
| 4 | pH | None | Total | Actual | | | | | DEP SOP FT 1100 | |
| 5 | Specific conductance | umho/cm | | Actual | | Wet | | | DEP SOP FT 1200 | |
| 6 | Depth, Secchi Disk Depth | m | | Actual | | Wet | | | DEP SOP FT 1720 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-02 | Lake Monitoring Lab | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 13 | Color, True | PCU | | Actual | | Wet | | | 2120-B | 200.2 |
| 19 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | 200.2 |
| 24 | Turbidity | NTU | | Actual | | Wet | | | 2130 | 200.2 |
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500 - NH3 H | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | LSP-01 |
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |

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Polk County Water Resources (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | 351.2-4500 NO3F | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | LSP-01 |
| 35 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200 H | 200.2 |
| 36 | Chlorophyll/Pheophytin ratio | ug/l | Total | Actual | | | | | 10200 H | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|-------------|----------------|--------|--------|-----------|--------------|---------|
| CG-03 | Banana Alum | Sample | Water | | | | N |
| Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | Wet | | | DEP SOP FT 1400 | |
| 13 | Color, True | PCU | | Actual | | Wet | | | 2120-B | 200.2 |
| 19 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | 200.2 |
| 24 | Turbidity | NTU | | Actual | | Wet | | | 2130 | 200.2 |
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(G) | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | LSP-01 |
| 3 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | DEP SOP FT 1500 | |
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 31 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | 351.2-4500 NO3F | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | LSP-01 |
| 35 | Chlorophyll a, uncorrected for | ug/l | Total | Actual | | | | | 10200 H | 200.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4 | pH | None | Total | Actual | | | | | DEP SOP FT 1100 | |
| 5 | Specific conductance | umho/cm | | Actual | | Wet | | | DEP SOP FT 1200 | |
| 6 | Depth, Secchi Disk Depth | m | | Actual | | Wet | | | DEP SOP FT 1720 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|----------------|----------------|--------|--------|-----------|--------------|---------|
| CG-04 | Cannon Project | Sample | Water | | | | N |
| Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | Wet | | | DEP SOP FT 1400 | |
| 113 | Alkalinity, Bicarbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | 200.2 |
| 13 | Color, True | PCU | | Actual | | Wet | | | 2120-B | |
| 19 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | 200.2 |
| 24 | Turbidity | NTU | | Actual | | Wet | | | 2130 | 200.2 |
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(G) | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | LSP-01 |
| 3 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DEP SOP FT 1500 | |
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 31 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | 351.2-4500 | LSP-01 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | | | | | | | | | NO3F | |
| 33 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | LSP-01 |
| 35 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200 H | 200.2 |
| 36 | Chlorophyll/Pheophytin ratio | mg/m3 | Total | Actual | | | | | 10200 H | 200.2 |
| 38 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | 9230-C-2 |
| 39 | Coliform/Strep Ratio, Fecal | None | Total | Actual | | | | | 9222-B | 9230-C-2 |
| 4 | pH | None | Total | Actual | | | | | DEP SOP FT 1100 | |
| 43 | Aluminum | ug/l | Total | Actual | | | | | 3500-AL(D) | 3030-B |
| 5 | Specific conductance | umho/cm | | Actual | | Wet | | | DEP SOP FT 1200 | |
| 6 | Depth, Secchi Disk Depth | m | | Actual | | Wet | | | DEP SOP FT 1720 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CG-05 | LRLMD Lakes New | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | Wet | | | DEP SOP FT 1400 | |
| 13 | Color, True | PCU | | Actual | | Wet | | | 2120-B | |
| 21 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | 200.2 |
| 24 | Turbidity | NTU | | Actual | | Wet | | | 2130 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(G) | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | LSP-01 |
| 29 | Nitrogen ion (N) | mg/l | | Actual | | | | | 351.2-4500 NO3F | |
| 3 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | DEP SOP FT 1500 | |
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | LSP-01 |
| 35 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200 H | 200.2 |
| 36 | Chlorophyll/Pheophytin ratio | mg/m3 | Total | Actual | | | | | 10200 H | 200.2 |
| 4 | pH | None | Total | Actual | | | | | DEP SOP FT 1100 | |
| 5 | Specific conductance | umho/cm | | Actual | | Wet | | | DEP SOP FT 1200 | |
| 6 | Depth, Secchi Disk Depth | m | | Actual | | Wet | | | DEP SOP FT 1720 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| CG-06 | LRLMD Old | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 13 | Color, True | PCU | | Actual | | Wet | | | | |
| 21 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | 200.2-M |
| 24 | Turbidity | NTU | | Actual | | Wet | | | | 200.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | LSP-01 |
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | LSP-01 |
| 31 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | | LSP-01 |
| 35 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | 200.2 |
| 36 | Chlorophyll/Pheophytin ratio | mg/m3 | Total | Actual | | | | | 10200 H | 200.2 |
| 6 | Depth, Secchi Disk Depth | m | | Actual | | Wet | | | DEP SOP FT 1720 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------|---|--------|--------|-----------|--------------|---------|
| CG-07 | Streams & Rivers | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | Wet | | | DEP SOP FT 1400 | |
| 13 | Color, True | PCU | | Actual | | Wet | | | 2120-B | 200.2 |
| 19 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | 200.2 |
| 24 | Turbidity | NTU | | Actual | | Wet | | | 2130 | 200.2 |
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(G) | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | LSP-01 |
| 3 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | DEP SOP FT 1500 | |

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21FLPOLK

Polk County Water Resources (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 31 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | 351.2-4500 NO3F | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | LSP-01 |
| 35 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200 H | 200.2 |
| 36 | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | 9230-C | |
| 38 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | 9230-C-2 |
| 4 | pH | None | Total | Actual | | | | | DEP SOP FT 1100 | |
| 5 | Specific conductance | umho/cm | | Actual | | Wet | | | DEP SOP FT 1200 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|--|--------|--------|-----------|--------------|---------|
| CG-08 | Lab | Sample | Water | | | | N |
| | Citations | Polk County, 1984, YSI, Polk County, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Color, Apparent | PCU | | Actual | | | | | | |
| 10 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 8000 | |
| 11 | Chloride | mg/l | Total | Actual | | | | | 4500-CL-(E) | 200.2 |
| 117 | Lead | ug/l | Total | Actual | | | | | 3111-B | 3030-B |
| 12 | Chlorine | mg/l | Total | Actual | | | | | 4500-CL(G) | 200.2 |
| 120 | pH | None | | Actual | | | | | 4500 H+ B | |
| 122 | Nitrogen, Ammonia + Organic | mg/l | Dissolved | Actual | | | | | | LSP-01 |
| 13 | Color, True | PCU | | Actual | | | | | 2120-B | 9230-C-2 |

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21FLPOLK

Polk County Water Resources (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | Fluorides | mg/l | Total | Actual | | | | | 4500-F-C | 200.2-M |
| 16 | Specific conductance | umho/cm | | Actual | | Wet | | | 2510 B | 200.2 |
| 18 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | 200.2 |
| 19 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | 200.2 |
| 20 | Solids, Total Suspended (TSS) | mg/l | Dissolved | Actual | | | | | 2540-C | |
| 21 | Solids, Total | mg/l | Total | Actual | | | | | 2540-D | 200.2 |
| 24 | Turbidity | NTU | | Actual | | | | | 2130 B | 200.2 |
| 25 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500 - NH3 H | LSP-01 |
| 26 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | LSP-01 |
| 27 | Ammonia, unionized | mg/l | Total | Calculated | | | | | DEP SOP 2/12/01 | LSP-01 |
| 28 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 29 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 30 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | LSP-01 |
| 31 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | 351.2-4500 NO3F | LSP-01 |
| 32 | Phosphorus as PO4 | mg/l | Dissolved | Actual | | | | | 4500 TP DISS | LSP-01 |
| 33 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | 4500-P-F | LSP-01 |
| 34 | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-F | LSP-01 |
| 35 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200 H | LSP-01 |
| 36 | Chlorophyll/Pheophytin ratio | ug/l | Total | Actual | | | | | 10200 H | 200.2 |
| 38 | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | 9230-C-2 |
| 39 | Total Coliform | cfu/100ml | | Actual | | | | | 9222-B | 9230-C-2 |
| 40 | Fecal Streptococcus Group Bacteria | cfu/100ml | Total | Actual | | | | | 9230 C | 9230-C-2 |

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Polk County Water Resources (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 43 | Aluminum | ug/l | Total | Actual | | | | | PCNRD HACH8326 | 3030-B |
| 45 | Arsenic | ug/l | Total | Actual | | | | | 3113-B | 3030-B |
| 46 | Barium | ug/l | Total | Actual | | | | | 3111-D | 3030-B |
| 47 | Cadmium | ug/l | Total | Actual | | | | | 3113-B | 3030-B |
| 48 | Calcium | mg/l | Total | Actual | | | | | 3111-B | 3030-B |
| 49 | Chromium | ug/l | Total | Actual | | | | | 3113-B | 3030-B |
| 50 | Copper | ug/l | Total | Actual | | | | | 3111-B | 3030-B |
| 51 | Iron | ug/l | Total | Actual | | | | | 3111-B | 3030-B |
| 53 | Magnesium | mg/l | Total | Actual | | | | | 3111-B | 3030-B |
| 55 | Nickel | ug/l | Total | Actual | | | | | 3111-B | 3030-B |
| 56 | Potassium | mg/l | Total | Actual | | | | | 3111-B | 3030-B |
| 58 | Silver | ug/l | Total | Actual | | | | | 3111-B | 3030-B |
| 59 | Sodium | mg/l | Total | Actual | | | | | 3111-B | 3030-B |
| 60 | Zinc | ug/l | Total | Actual | | | | | 3111-B | 3030-B |
| 7 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 B | |
| 8 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | 200.2 |
| | Nitrogen, Ammonia + Organic | | | | | | | | | |
| | Nitrogen, ammonia (NH3) + ammonium (NH4) | | | | | | | | | |
| | Carbon, organic plus inorganic (TC) **Retired | | | | | | | | | |
| | Phosphorus, organic as P | | | | | | | | | |
| | Alkalinity, Carbonate as CaCO3 | | | | | | | | | |
| | Calcium as CaCO3 | | | | | | | | | |
| | Nitrogen, organic | | | | | | | | | |

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21FLPOLK

Polk County Water Resources (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Phosphorus | | | | | | | | | |
| | Solids, Fixed | | | | | | | | | |
| | Nitrogen, inorganic | | | | | | | | | |
| | Phosphate | | | | | | | | | |
| | Carbon, Total Inorganic | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|--|--------|--------|-----------|--------------|---------|
| CG-09 | Lab Misc | Sample | Water | | | | N |
| | Citations | Polk County, 1984, YSI, Polk County, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 122 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | 351.2 TKN DISS | LSP-01 |
| 141 | Nitrogen, organic | mg/l | Total | Actual | | | | | | |
| 143 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 4500 TP DISS | LSP-01 |
| 27 | Ammonia, unionized | mg/l | Total | Calculated | | | | | DEP SOP 2/12/01 | LSP-01 |

Characteristic Group Details

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21FLSCCF

Sanibel Captiva Conservation Foundation (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SCCFLD | Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| BOTDEPTH | Depth, bottom | m | | Actual | | | | | | |
| CLOUD | Cloud cover (choice list) | | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| DOSAT | Dissolved oxygen (DO) | % | | Actual | | | | | | |
| PH | pH | None | Total | Actual | | | | | | |
| SAL | Salinity | ppt | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SPC | Specific conductance | mS/cm | Total | Actual | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| WINDD | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| WINDS | Wind velocity | mph | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SCCFL | Lab parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CHLA | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | CHLA | |
| COLOR | Color, True | PCU | | Actual | | | | | COLOR | |
| NOX | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | ug/l | | Actual | | | | | NOX | |
| NT | Nitrogen ion (N) | ug/l | Total | Actual | | | | | | |
| PHEO | Pheophytin-a | ug/l | | Actual | | | | | PHEO | |

Characteristic Group Details

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21FLSCCF

Sanibel Captiva Conservation Foundation (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PTOT | Phosphorus | ug/l | Total | Actual | | | | | PTOT | |
| TKN | Nitrogen, Kjeldahl | ug/l | Total | Actual | | | | | TKN | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | TSS | |

Characteristic Group Details

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21FLSFWM

South Florida Water Management District

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| B | Biological-All | Sample | Water | | | | N |

Citations SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
Description Select ALL test_numbers where test_group = Biological and Matrix = Water Samples (GW, PW, RA, SA, SW)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 112 | Chlorophyll a, corrected for pheophytin | mg/m3 | | Actual | | | | | CORRECTED | |
| 113 | Chlorophyll-c | mg/m3 | | Actual | | | | | WQ-1 | |
| 132 | Fecal Coliform | cfu/100ml | Total | Actual | | | | | WQ-1 | MFILT |
| 133 | Fecal Coliform | MPN/100ml | Total | Actual | | | | | WQ-1 | LP-1 |
| 134 | Fecal Coliform | cfu/100ml | | Actual | | | | | WQ-1 | MFILT |
| 135 | Fecal Coliform | MPN | | Actual | | | | | WQ-1 | LP-1 |
| 328 | Microcystin (toxin produced by blue green algae & bacteria) | ug/l | | Actual | | | | | WQ-1 | |
| 330 | Coliphage, unspecified mix (Somatic + Male Specific (F+)) | pfu/100ml | | Actual | | | | | | MALE |
| 331 | Coliphage, unspecified mix (Somatic + Male Specific (F+)) | pfu/100ml | | Actual | | | | | | SOMATIC |
| 332 | Cryptosporidium | #/l | | Actual | | | | | | |
| 334 | Giardia lamblia | #/100ml | | Actual | | | | | | |
| 335 | Escherichia coli | CFU | | Actual | | | | | | |
| 336 | Clostridium perfringens | CFU | | Actual | | | | | | |
| 339 | Anatoxin (toxin produced by blue green algae) | ug/l | | Actual | | | | | WQ-1 | |
| 59 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | WQ-1 | |
| 61 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | WQ-1 | |
| 62 | Chlorophyll-b | mg/m3 | | Actual | | | | | WQ-1 | |

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South Florida Water Management District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------|-----------------|------------|----------------------------|--------------|------------------|------------|---------------------|----------------------------|
| 64 | Pheophytin-a | mg/m3 | | Actual | | | | | | |
| 68 | Productivity, Primary | mg/m3/day | | Actual | | | | | WQ-1 | GROSS |
| 69 | Productivity, Primary | mg/m3/day | | Actual | | | | | WQ-1 | NET |
| 70 | Respiration, planktonic | m3 | | Actual | | | | | | |
| | | | | | Particle Size Basis | | Units = MGC/M3/D | | | |
| 74 | Productivity, Phytoplankton | MGC/M2/D | | Actual | | | | | WQ-1 | NET |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|------------|-----------|--------------|---------|
| CG-013 | Water Chemistry Tests | Sample | Water | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|--------------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | WQ-1 | |
| 00076 | Turbidity | NTU | Total | Actual | Standard Deviation | | | | WQ-1 | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | WQ-1 | |
| 00080 | Color, True | PCU | | Actual | | | | | WQ-1 | |
| 00090 | Oxidation reduction potential (ORP) | mV | Free Available | Actual | Standard Deviation | | | | WQ-1 | |
| 00094 | Specific conductance | uS/cm | | Actual | | | | | WQ-1 | |
| 00095 | Specific conductance | uS/cm | | Actual | | | | | WQ-1 | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | WQ-1 | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | WQ-1 | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | WQ-1 | |
| 00400 | pH | None | | Actual | | | | | WQ-1 | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|--------------------|--------------|----------------|------------|---------------------|----------------------------|
| 00480 | Salinity | ppt | Total | Calculated | | | | | WQ-1 | |
| 00500 | Solids, Fixed | mg/l | | Actual | | | | | WQ-1 | |
| 00535 | Solids, Fixed | mg/l | | Actual | | | | | WQ-1 | |
| 00600 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | WQ-1 | |
| 00608 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | WQ-1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | WQ-1 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Calculated | Standard Deviation | | | | WQ-1 | |
| 00623 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | WQ-1 | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | WQ-1 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | WQ-1 | LP-1 |
| 00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | WQ-1 | LP-1 |
| 00671 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | WQ-1 | |
| 00672 | Phosphorus, hydrolyzable as P | mg/l | | Actual | | | | | WQ-1 | LP-1 |
| 00680 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | WQ-1 | |
| 00681 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00685 | Carbon, Total Inorganic | mg/l | | Actual | | | | | WQ-1 | |
| 00690 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | WQ-1 | |
| 00691 | Carbon, Total Inorganic | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00745 | Sulfide | mg/l | | Actual | | | | | WQ-1 | |
| 00915 | Calcium | mg/l | | Actual | | | | | WQ-1 | |
| 00925 | Magnesium | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00930 | Sodium | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00935 | Potassium | mg/l | | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00941 | Chloride | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00946 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | WQ-1 | |
| 00950 | Fluorides | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | WQ-1 | |
| 00955 | Silica | mg/l | | Actual | | | | | WQ-1 | |
| 01000 | Arsenic | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | WQ-1 | |
| 01003 | Arsenic | mg/kg | Total | Actual | | | | | WQ-1 | LP-1 |
| 01005 | Barium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01007 | Barium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01010 | Beryllium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01012 | Beryllium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01025 | Cadmium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01030 | Chromium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01032 | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01035 | Cobalt | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | WQ-1 | |
| 01040 | Copper | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01042 | Copper | ug/l | Total | Actual | | | | | WQ-1 | |
| 01046 | Iron | ug/l | Dissolved | Actual | | | | | WQ-1 | LP-1 |
| 01049 | Lead | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01051 | Lead | ug/l | Total | Actual | | | | | WQ-1 | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | WQ-1 | |
| 01056 | Manganese | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01057 | Thallium | ug/l | Dissolved | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01059 | Thallium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | WQ-1 | |
| 01065 | Nickel | ug/l | Total | Actual | | | | | WQ-1 | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | WQ-1 | |
| 01075 | Silver | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01077 | Silver | ug/l | Total | Actual | | | | | WQ-1 | |
| 01080 | Strontium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01082 | Strontium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01090 | Zinc | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | WQ-1 | |
| 01095 | Antimony | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | WQ-1 | |
| 01100 | Tin | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01102 | Tin | ug/l | Total | Actual | | | | | WQ-1 | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | WQ-1 | |
| 01106 | Aluminum | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01130 | Lithium | ug/l | Total | Actual | | | | | WQ-1 | |
| 01145 | Selenium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | WQ-1 | |
| 04255 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| 04256 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| 31501 | Fecal Coliform | cfu/100ml | Filterable | Actual | | | | | WQ-1 | |
| 31505 | Fecal Coliform | #/100ml | Total | Actual | MPN | | | | WQ-1 | |
| 31615 | Fecal Coliform | #/100ml | Filterable | Actual | MPN | | | | WQ-1 | |
| 31616 | Fecal Coliform | cfu/100ml | Filterable | Actual | | | | | WQ-1 | |
| 31679 | Fecal Streptococcus Group Bacteria | cfu/100ml | Filterable | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31748 | Bacteria Mix, Unspecified | cfu/100ml | | Actual | | | | | WQ-1 | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | WQ-1 | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | WQ-1 | |
| 32212 | Chlorophyll-b | ug/l | | Actual | | | | | WQ-1 | |
| 32214 | Chlorophyll-c | ug/l | | Actual | | | | | WQ-1 | |
| 32218 | Pheophytin-a | ug/l | | Actual | | | | | WQ-1 | |
| 49548 | Alkaline phosphatase | mg/l | | Actual | | | | | WQ-1 | LP-1 |
| 50092 | Mercury | ng/l | Total | Actual | | | | | WQ-1 | LP-1 |
| 70300 | Solids, Fixed | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | WQ-1 | |
| 70971 | Light attenuation coefficient | 1/m | | Actual | | | | | WQ-1 | |
| 70991 | Productivity, Phytoplankton | mg/m2/day | | Actual | | | | | WQ-1 | |
| 70993 | Productivity, Phytoplankton | mg/m3/day | | Actual | | | | | WQ-1 | |
| 70994 | Respiration, planktonic | m3 | | Actual | | | 1 Day | | WQ-1 | |
| 70995 | Respiration, planktonic | m3 | | Calculated | | | 1 Day | | WQ-1 | LP-1 |
| 71870 | Bromide | mg/l | | Actual | | | | | WQ-1 | |
| 71890 | Mercury | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | WQ-1 | |
| 74010 | Iron | ug/l | Total | Actual | | | | | WQ-1 | |
| 80082 | BOD, carbonaceous | mg/l | | Actual | | | | | WQ-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| F | Field Parameters (F) | Field Msr/Obs | Water | | | | N |
| Citations | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 dm_data_type.test_group = 'F' (Field Parameter) | | | | | | |

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Description

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------------------|------------------------|----------------|------------|---------------------|----------------------------|
| 10 | pH | None | | Actual | | | | | | |
| 11 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 13 | Color, True | PCU | | Actual | | | | | WQ-1 | |
| 197 | Light Underwater Extinction Coefficient (K) | per m | | Actual | | | | | WQ-1 | |
| | | | | | Particle Size Basis | Unit in original = 1/m | | | | |
| 2 | Depth | m | | Actual | Particle Size Basis | Sample Depth | | | | |
| 5 | Turbidity | NTU | | Actual | | | | | | |
| 6 | Chloride | mg/l | Total | Actual | | | | | | |
| 65 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |
| 7 | Temperature, water | deg C | | Actual | | | | | | |
| 8 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 9 | Specific conductance | umho/cm | | Actual | | | | | | |
| 98 | Salinity | ppt | | Actual | | | | | | |
| 99 | Depth | m | | Actual | Particle Size Basis | Total Depth | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|------------|-----------|--------------|---------|
| FO-1 | Field Parameters | Field Msr/Obs | Water | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Light Underwater Reflected | | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| HER | Herbicides | Sample | Water | | | | N |

Citations SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
Description (New) Test Group = 'HER'

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 301 | Acifluorfen, sodium salt | ug/kg | | Actual | | | | | | |
| 401 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | WQ-1 | |
| 402 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | WQ-1 | |
| 403 | Silvex | ug/kg | | Actual | | | | | | |
| 404 | Silvex | ug/l | | Actual | | | | | | |
| 405 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | WQ-1 | |
| 406 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | WQ-1 | |
| 408 | Dichlorprop | ug/l | | Actual | | | | | | |
| 436 | Bromacil | ug/kg | | Actual | | | | | | |
| 437 | Bromacil | ug/l | | Actual | | | | | | |
| 438 | Butylate | ug/l | | Actual | | | | | | |
| 493 | Diquat dibromide (Reglone) | ug/l | Total | Actual | | | | | WQ-1 | |
| 496 | Diuron | ug/kg | | Actual | | | | | | |
| 497 | Diuron | ug/l | | Actual | | | | | | |
| 520 | Glyphosate (Roundup) | ug/l | | Actual | | | | | | |
| 528 | Linuron | ug/kg | | Actual | | | | | | |
| 529 | Linuron | ug/l | | Actual | | | | | | |
| 544 | Metolachlor | ug/kg | | Actual | | | | | | |
| 545 | Metolachlor | ug/l | | Actual | | | | | | |
| 546 | Metribuzin | ug/kg | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 547 | Metribuzin | ug/l | | Actual | | | | | | |
| 573 | Prometryn | ug/kg | | Actual | | | | | | |
| 574 | Prometryn | ug/l | | Actual | | | | | | |
| 576 | Propham | ug/l | | Actual | | | | | | |
| 580 | Simazine | ug/kg | | Actual | | | | | | |
| 581 | Simazine | ug/l | | Actual | | | | | | |
| 589 | Trifluralin | ug/kg | | Actual | | | | | | |
| 590 | Trifluralin | ug/l | | Actual | | | | | | |
| 591 | Trifluralin | ug/kg | | Actual | | | | | | TRIBEN |
| 592 | Trifluralin | ug/l | | Actual | | | | | | TRIBEN |
| 595 | Acifluorfen, sodium salt | ug/l | | Actual | | | | | | |
| 820 | Dichloropropionic acid, 2,2- ***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | WQ-1 | |
| 823 | Endothall | ug/l | | Actual | | | | | | |
| 840 | Picloram | ug/l | | Actual | | | | | | |
| 920 | Pronamide | ug/l | | Actual | | | | | | |
| 986 | DNBP, 4,6-Dinitro-2-sec- butylphenol **retired**(use Dinoseb) | ug/l | | Actual | | | | | WQ-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|---|--------|--------|-----------|--------------|---------|
| M | Metals | Sample | Water | | | | N |
| | Citations | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 | | | | | |
| | Description | dm_data_type.test_group = 'M' (Metals) | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 102 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Cadmium | ug/l | Total | Actual | | | | | WQ-1 | |
| 104 | Copper | ug/l | Total | Actual | | | | | WQ-1 | |
| 105 | Zinc | ug/l | Total | Actual | | | | | | |
| 106 | Arsenic | ug/l | Total | Actual | | | | | WQ-1 | |
| 107 | Lead | ug/l | Total | Actual | | | | | WQ-1 | |
| 108 | Barium | ug/l | Total | Actual | | | | | WQ-1 | |
| 109 | Cobalt | ug/l | Total | Actual | | | | | | |
| 110 | Manganese | ug/l | Total | Actual | | | | | WQ-1 | |
| 111 | Strontium | ug/l | Total | Actual | | | | | | |
| 116 | Nickel | ug/l | Total | Actual | | | | | WQ-1 | |
| 169 | Antimony | ug/l | Total | Actual | | | | | WQ-1 | |
| 170 | Beryllium | ug/l | Total | Actual | | | | | 210.2 | LP-1 |
| 171 | Thallium | ug/l | Total | Actual | | | | | 279.2 | |
| 173 | Antimony | ug/l | Dissolved | Actual | | | | | 204.2 | |
| 174 | Beryllium | ug/l | Dissolved | Actual | | | | | 210.2 | LP-1 |
| 189 | Magnesium | mg/kg | Total | Actual | | | | | WQ-1 | |
| 195 | Chromium, hexavalent | ug/l | Total | Actual | | | | | WQ-1 | |
| 196 | Chromium, trivalent | ug/l | Total | Calculated | | | | | WQ-1 | |
| 202 | Methylmercury (+1) ion | ng/l | Filterable | Actual | | | | | WQ-1 | |
| 203 | Methylmercury (+1) ion | ng/l | Non-filterable | Actual | | | | | WQ-1 | |
| 206 | Mercury | ng/l | Filterable | Actual | | | | | WQ-1 | |
| 207 | Mercury | ng/l | Non-filterable | Actual | | | | | WQ-1 | |
| 217 | Potassium | mg/kg | Total | Actual | | | | | | |
| 219 | Calcium | mg/kg | Total | Actual | | | | | | |
| 238 | Molybdenum | ug/l | Total | Actual | | | | | WQ-1 | |
| 36 | Iron | ug/l | Total | Actual | | | | | WQ-1 | |
| 37 | Iron | ug/l | Dissolved | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 38 | Iron, ferrous, Fe+2 | ug/l | Total | Actual | | | | | WQ-1 | LP-1 |
| 39 | Aluminum | ug/l | Dissolved | Actual | | | | | | |
| 40 | Arsenic | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 41 | Barium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 42 | Cadmium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 43 | Chromium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 44 | Cobalt | ug/l | Dissolved | Actual | | | | | | |
| 45 | Copper | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 46 | Lead | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 48 | Manganese | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 49 | Mercury | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 50 | Nickel | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 51 | Selenium | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 52 | Silver | ug/l | Dissolved | Actual | | | | | WQ-1 | |
| 53 | Strontium | ug/l | Dissolved | Actual | | | | | | |
| 54 | Zinc | ug/l | Dissolved | Actual | | | | | | |
| 66 | Aluminum | ug/l | Total | Actual | | | | | | |
| 72 | Chromium | ug/l | Total | Actual | | | | | WQ-1 | |
| 806 | Aluminum | mg/kg | | Actual | | | | | | |
| 807 | Antimony | mg/kg | Total | Actual | | | | | WQ-1 | |
| 809 | Beryllium | mg/kg | Total | Actual | | | | | WQ-1 | |
| 810 | Chromium | mg/kg | Total | Actual | | | | | WQ-1 | |
| 811 | Chromium, hexavalent | mg/l | Total | Actual | | | | | WQ-1 | |
| 812 | Iron | mg/kg | Total | Actual | | | | | WQ-1 | |
| 814 | Nickel | mg/kg | Total | Actual | | | | | WQ-1 | |
| 815 | Selenium | mg/kg | Total | Actual | | | | | WQ-1 | |
| 816 | Silver | mg/kg | Total | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 817 | Thallium | mg/kg | Total | Actual | | | | | WQ-1 | |
| 818 | Vanadium | ug/l | | Actual | | | | | | |
| 84 | Selenium | ug/l | Total | Actual | | | | | WQ-1 | |
| 96 | Silver | ug/l | Total | Actual | | | | | WQ-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| MI | Major Ions | Sample | Water | | | | N |
| Citations | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 | | | | | | |
| Description | dm_data_type.test_group = 'MI' (Major Ions) | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 199 | Bromide | mg/l | | Actual | | | | | | |
| 28 | Sodium | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 29 | Potassium | mg/l | Dissolved | Actual | | | | | | |
| 30 | Calcium | mg/l | Dissolved | Actual | | | | | | |
| 31 | Magnesium | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 32 | Chloride | mg/l | Dissolved | Actual | | | | | | |
| 33 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | | |
| 35 | Hardness, carbonate | mg/l | | Actual | | | | | | |
| 55 | Fluorides | mg/l | Total | Actual | | | | | WQ-1 | |
| 56 | Sulfide | mg/l | Total | Actual | | | | | | |
| 67 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | FIELD ALKALINIT | TITRATION |
| 79 | Calcium | mg/l | Total | Actual | | | | | | |
| 842 | Calcium as CaCO3 | mg/kg | | Actual | | | | | CACO3 | |
| 97 | Solids, Dissolved | mg/l | Total | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------------|-----------------------|---|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| MIS | Miscellaneous | Sample | Water | | | | | | | N |
| Citations | | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 | | | | | | | | |
| Description | | dm_data_type.test_group = 'Misc' (Miscellanea) | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 27 | Silica | mg/l | Dissolved | Actual | | | | | | |
| 409 | Hydroxycarbofuran, 3- | mg/l | | Actual | | | | | | |
| 415 | Aldicarb sulfone | ug/l | Total | Actual | | | | | WQ-1 | |
| 416 | Aldicarb sulfoxide | ug/l | Total | Actual | | | | | WQ-1 | |
| 446 | Trithion | ug/kg | | Actual | | | | | | |
| 447 | Trithion | ug/l | | Actual | | | | | | |
| 452 | Chloropicrin | ug/l | | Actual | | | | | | |
| 453 | Daconil | ug/kg | | Actual | | | | | | |
| 454 | Daconil | ug/l | | Actual | | | | | | |
| 456 | Chloropyrifos | ug/l | | Actual | | | | | | LP-1 |
| 457 | Chloropyrifos | ug/kg | | Actual | | | | | | ETHYL |
| 459 | Chlorpyrifos-methyl | ug/kg | | Actual | | | | | | |
| 460 | Chlorpyrifos-methyl | ug/l | | Actual | | | | | | |
| 486 | Dicofol | ug/l | | Actual | | | | | | |
| 494 | Disulfoton | ug/kg | | Actual | | | | | | |
| 495 | Disulfoton | ug/l | | Actual | | | | | | |
| 514 | Ethylenethiourea | ug/l | | Actual | | | | | | |
| 518 | Fonofos | ug/kg | | Actual | | | | | | |
| 519 | Fonofos | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 537 | Methomyl | ug/l | | Actual | | | | | | |
| 543 | Methyl trithion | ug/l | | Actual | | | | | | |
| 57 | Carbon, organic plus inorganic (TC) **Retired | mg/l | | Actual | | | | | | |
| 58 | Carbon, Total Inorganic | mg/l | | Actual | | | | | WQ-1 | |
| 60 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | WQ-1 | |
| 603 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | WQ-1 | |
| 626 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | WQ-1 | |
| 630 | Acrylonitrile | ug/l | | Actual | | | | | | |
| 652 | cis-1,3-Dichloropropene | ug/l | | Actual | | | | | | |
| 654 | Dichloroethene (all isomers) | ug/l | Total | Actual | | | | | WQ-1 | |
| 662 | Chlorotoluene, 2- | ug/l | | Actual | | | | | | |
| 681 | Methyl ethyl ketone | ug/l | | Actual | | | | | | |
| 682 | Hexanone, 2- | ug/l | | Actual | | | | | | |
| 683 | Methyl isobutyl ketone | ug/l | | Actual | | | | | WQ-1 | |
| 685 | Carbon disulfide | ug/l | | Actual | | | | | | |
| 709 | Dinitro-o-cresol | ug/l | | Actual | | | | | | |
| 721 | p-Nitrophenol | ug/l | | Actual | | | | | | |
| 725 | Acenaphthylene | ug/l | Total | Actual | | | | | WQ-1 | |
| 73 | Carbon, Total Inorganic | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 753 | Dibutyl phthalate | ug/l | Total | Actual | | | | | WQ-1 | |
| 755 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | WQ-1 | |
| 757 | Dibenzo[a,h]anthracene | ug/l | | Actual | | | | | | |
| 761 | Dimethyl phthalate | ug/l | Total | Actual | | | | | WQ-1 | |
| 773 | Hexachloroethane | ug/l | | Actual | | | | | | |
| 775 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | WQ-1 | |
| 779 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 781 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | WQ-1 | |
| 783 | n-Nitrosodiphenylamine | ug/l | | Actual | | | | | | |
| 785 | n-Nitrosodiphenylamine | ug/l | | Actual | | | | | | NITRODIPHE |
| 854 | Trichloronaphthalene | ug/l | | Actual | | | | | | HAL1000 |
| 856 | Trichloronaphthalene | ug/l | | Actual | | | | | | HAL1099 |
| 87 | Iodide ion | mg/l | | Actual | | | | | | ORGCOMP |
| 88 | Odor, Threshold Number | ton | | Actual | | | | | | T60D |
| 908 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | WQ-1 | |
| 91 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Dissolved | Actual | | | | | | 200.2 |
| 911 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | WQ-1 | |
| 92 | Alkalinity, Carbonate as CaCO3 | mg/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| N | Nutrients | Sample | Water | | | | N |
| Citations | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 | | | | | | |
| Description | dm_data_type.test_group = 'N' (Nutrient) | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 18 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| 19 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | | |
| 20 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Dissolved | Actual | | | | | | |
| 21 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 22 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | | |
| 23 | Phosphorus, orthophosphate as | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | P | | | | | | | | | |
| 25 | Phosphorus | mg/l | Total | Actual | | | | | | |
| 26 | Phosphorus | mg/l | Dissolved | Actual | | | | | | |
| 34 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| 78 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| 80 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| O | Organic | Sample | Water | | | | N |
| Citations | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 | | | | | | |
| Description | dm_data_type.test_group = 'O' (Organic) | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 100 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | WQ-1 | |
| 168 | Alkaline phosphatase | nM/minmL | | Actual | | | | | | |
| 221 | MBAS (detergents, surfactants) | mg/l | | Actual | | | | | | |
| 224 | Oil and Grease | mg/l | | Actual | | | | | FREON-EXT | |
| 601 | Prometone | ug/l | | Actual | | | | | | |
| 77 | Solids, Total Suspended (TSS) | mg/l | Volatile | Actual | | | | | WQ-1 | |
| 838 | Dicamba | ug/l | | Actual | | | | | | |
| 839 | Propachlor | ug/l | Dissolved | Actual | | | | | | |
| 844 | Carbon, Total Organic (Toc) | g/kg | Total | Actual | | | | | WQ-1 | |
| 851 | Cyanide | mg/l | | Actual | | | | | WQ-1 | |
| 89 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | WQ-1 | |

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| | | | | | | | |
|---|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| P | Physical | Sample | Water | | | | N |
| Description dm_data_type.test_group = 'P' (Physical) | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | WQ-1 | |
| 17 | Solids, Fixed | mg/l | Suspended | Actual | | | | | WQ-1 | |
| 341 | Merphos | ug/l | | Actual | | | | | | |
| 342 | Thiobencarb | ug/l | | Actual | | | | | | |
| 344 | Butachlor | ug/l | | Actual | | | | | | |
| 345 | Carboxin | ug/l | | Actual | | | | | | |
| 346 | Cycloate | ug/l | | Actual | | | | | | |
| 347 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | | Actual | | | | | WQ-1 | |
| 349 | Disulfotone sulfone | ug/l | Total | Actual | | | | | WQ-1 | |
| 350 | Diphenamid | ug/l | | Actual | | | | | | |
| 351 | Simetryn | ug/l | Total | Actual | | | | | WQ-1 | |
| 352 | Propazine | ug/l | | Actual | | | | | | |
| 353 | Pebulate | ug/l | | Actual | | | | | | |
| 354 | Napropamide | ug/l | | Actual | | | | | | |
| 355 | Molinate | ug/l | | Actual | | | | | | |
| 357 | Fluridone | ug/l | | Actual | | | | | | |
| 358 | Fenarimol | ug/l | | Actual | | | | | | |
| 359 | Terbacil | ug/l | | Actual | | | | | | |
| 360 | Tebuthiuron | ug/l | | Actual | | | | | | |
| 361 | Stirofos ***retired*** To ISN 11769 | ug/l | | Actual | | | | | | |
| 362 | Atraton | ug/l | | Actual | | | | | | |
| 363 | Chlorpropham | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 912 | Xylene, o- | ug/l | Total | Actual | | | | | WQ-1 | |
| 913 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | WQ-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| PES | Pesticides | Sample | Water | | | | N |

Citations SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1
Description (New) test group = 'PES'

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 410 | Orthene | ug/l | | Actual | | | | | | |
| 411 | Alachlor | ug/kg | | Actual | | | | | | |
| 412 | Alachlor | ug/l | | Actual | | | | | | |
| 414 | Aldicarb | ug/l | | Actual | | | | | | |
| 417 | Aldrin | ug/kg | | Actual | | | | | | |
| 418 | Aldrin | ug/l | | Actual | | | | | | |
| 423 | Azinphos-methyl | ug/kg | | Actual | | | | | | |
| 424 | Azinphos-methyl | ug/l | | Actual | | | | | | |
| 426 | Benomyl | ug/l | | Actual | | | | | | |
| 427 | BHC, beta-BHC & gamma-BHC Mix, unspecified | ug/l | Total | Actual | | | | | WQ-1 | UNSPECIFIED |
| 428 | BHC-alpha | ug/kg | Total | Actual | | | | | WQ-1 | |
| 429 | BHC-alpha | ug/l | Total | Actual | | | | | WQ-1 | |
| 430 | BHC-beta | ug/kg | Total | Actual | | | | | | |
| 431 | BHC-beta | ug/l | Total | Actual | | | | | | |
| 432 | BHC-delta | ug/kg | | Actual | | | | | | |
| 433 | BHC-delta | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 434 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | WQ-1 | |
| 435 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | WQ-1 | |
| 443 | Sevin | ug/l | | Actual | | | | | | |
| 445 | Carbofuran | ug/l | | Actual | | | | | | |
| 448 | Chlordane | ug/kg | Total | Actual | | | | | WQ-1 | |
| 449 | Chlordane | ug/l | Total | Actual | | | | | WQ-1 | |
| 475 | DDT ***retired*** (use DDT, p,p'-) | ug/l | | Actual | | | | | | |
| 477 | DDT,o,p'- | ug/l | Total | Actual | | | | | WQ-1 | |
| 478 | DDT, p,p'- | ug/kg | Total | Actual | | | | | WQ-1 | |
| 479 | DDT, p,p'- | ug/l | Total | Actual | | | | | WQ-1 | |
| 480 | Demeton | ug/kg | | Actual | | | | | | |
| 481 | Demeton | ug/l | | Actual | | | | | | |
| 482 | Diazinon | ug/kg | | Actual | | | | | | |
| 483 | Diazinon | ug/l | | Actual | | | | | | |
| 487 | Dieldrin | ug/kg | | Actual | | | | | | |
| 488 | Dieldrin | ug/l | | Actual | | | | | | |
| 491 | Dimethoate | ug/l | | Actual | | | | | | |
| 499 | Endosulfan | ug/l | | Actual | | | | | | |
| 500 | Endosulfan, alpha- | ug/kg | | Actual | | | | | | |
| 501 | Endosulfan, alpha- | ug/l | | Actual | | | | | | |
| 502 | Endosulfan, beta- | ug/kg | | Actual | | | | | | |
| 503 | Endosulfan, beta- | ug/l | | Actual | | | | | | |
| 504 | Endosulfan Sulfate | ug/kg | | Actual | | | | | | |
| 505 | Endosulfan Sulfate | ug/l | | Actual | | | | | | |
| 506 | Endrin | ug/kg | | Actual | | | | | | |
| 507 | Endrin | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 508 | Endrin Aldehyde | ug/kg | | Actual | | | | | | |
| 509 | Endrin Aldehyde | ug/l | | Actual | | | | | | |
| 512 | Ethoprop | ug/kg | | Actual | | | | | | |
| 513 | Ethoprop | ug/l | | Actual | | | | | | |
| 515 | Fenamiphos | ug/kg | | Actual | | | | | | |
| 516 | Fenamiphos | ug/l | | Actual | | | | | | |
| 521 | Heptachlor | ug/kg | | Actual | | | | | | |
| 522 | Heptachlor | ug/l | | Actual | | | | | | |
| 523 | Heptachlor epoxide | ug/kg | | Actual | | | | | | |
| 524 | Heptachlor epoxide | ug/l | | Actual | | | | | | |
| 530 | Malathion | ug/kg | | Actual | | | | | | |
| 531 | Malathion | ug/l | | Actual | | | | | | |
| 532 | Metalaxyl | ug/l | | Actual | | | | | | |
| 533 | Methamidophos | ug/kg | | Actual | | | | | | |
| 534 | Methamidophos | ug/l | | Actual | | | | | | |
| 535 | Mercaptodimethur | ug/l | | Actual | | | | | | |
| 538 | Methoxychlor | ug/kg | | Actual | | | | | | |
| 539 | Methoxychlor | ug/l | | Actual | | | | | | |
| 541 | Methyl bromide | ug/l | | Actual | | | | | | |
| 548 | Phosdrin | ug/kg | | Actual | | | | | | |
| 549 | Phosdrin | ug/l | | Actual | | | | | | |
| 550 | Mirex | ug/kg | | Actual | | | | | | |
| 551 | Mirex | ug/l | | Actual | | | | | | |
| 552 | Azodrin | ug/kg | | Actual | | | | | | |
| 553 | Azodrin | ug/l | | Actual | | | | | | |
| 554 | Naled | ug/kg | | Actual | | | | | | |
| 555 | Naled | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 559 | Oxamyl | ug/l | | Actual | | | | | | |
| 561 | Paraquat | ug/l | | Actual | | | | | | |
| 563 | Parathion | ug/l | | Actual | | | | | | |
| 568 | Permethrin | ug/l | | Actual | | | | | | |
| 570 | Perthane | ug/l | | Actual | | | | | | |
| 571 | Phorate | ug/kg | | Actual | | | | | | |
| 572 | Phorate | ug/l | | Actual | | | | | | |
| 577 | Propoxur | ug/l | | Actual | | | | | | |
| 584 | Tedion | ug/l | | Actual | | | | | | |
| 585 | Toxaphene | ug/kg | | Actual | | | | | | |
| 586 | Toxaphene | ug/l | | Actual | | | | | | |
| 593 | Zinc phosphide | mg/l | | Actual | | | | | | |
| 594 | Zinc phosphide | ug/l | | Actual | | | | | | |
| 670 | trans-1,3-Dichloropropene | ug/l | | Actual | | | | | | |
| 787 | Naphthalene | ug/l | Total | Actual | | | | | WQ-1 | |
| 789 | nitro-Benzene | ug/l | Total | Actual | | | | | WQ-1 | |
| 928 | Demeton, o- | ug/l | Total | Actual | | | | | WQ-1 | |
| 931 | Dichlorovos (DDVP) | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| RAD | Radiological | Sample | Water | | | | N |

Citations SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 304 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | | GROSS |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 305 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | | GROSS |
| 306 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | | Actual | | | | | | GEC |
| 307 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | | GROSS |
| 309 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | | Actual | | | | | | GEC |
| 310 | Uranium | ug/l | Total | Actual | | | | | | |
| 311 | Radium-228 | pCi/L | Non-filterable | Actual | | | | | | GAMMA |
| 312 | Radium-228 | pCi/L | Filterable | Actual | | | | | | GAMMA |
| 314 | Radium-226 | pCi/L | Non-filterable | Actual | | | | | | GAMMA |
| 315 | Radium-226 | pCi/L | Filterable | Actual | | | | | | GAMMA |
| 317 | Radon-222 | pCi/L | Total | Actual | | | | | | |
| 319 | Oxygen 18 | | Total | Actual | | | | | WQ-1 | |
| 320 | Tritium | pCi/L | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| SVO | SVOC- Semi-Volatile Org Comp | Sample | Water | | | | N |

Citations SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 419 | Ametryne | ug/kg | | Actual | | | | | | |
| 420 | Ametryne | ug/l | | Actual | | | | | | |
| 421 | Atrazine | ug/kg | | Actual | | | | | | |
| 422 | Atrazine | ug/l | | Actual | | | | | | |
| 510 | Ethion | ug/kg | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 511 | Ethion | ug/l | | Actual | | | | | | |
| 525 | Hexazinone | ug/kg | | Actual | | | | | | |
| 526 | Hexazinone | ug/l | | Actual | | | | | | |
| 599 | Desethyl atrazine | ug/l | Total | Actual | | | | | WQ-1 | |
| 693 | 2,4,6-Trichlorophenol (TCPPh) | ug/l | Total | Actual | | | | | WQ-1 | |
| 695 | 2,4-Dichlorophenol | ug/l | | Actual | | | | | | |
| 697 | 2,4-Dimethylphenol | ug/l | | Actual | | | | | | |
| 699 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | WQ-1 | |
| 701 | 2,4-Dinitrotoluene | ug/l | | Actual | | | | | | |
| 703 | 2,6-Dinitrotoluene | ug/l | | Actual | | | | | | |
| 705 | Chloronaphthalene-2 | ug/l | | Actual | | | | | | |
| 707 | Chlorophenol-2 | ug/l | | Actual | | | | | | |
| 711 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | WQ-1 | |
| 713 | Dichlorobenzidine, 3,3'- | ug/l | | Actual | | | | | | |
| 715 | Bromophenyl-4 phenyl ether | ug/l | | Actual | | | | | | |
| 717 | 4-Chloro-3-methylphenol | ug/l | | Actual | | | | | | |
| 719 | Chlorophenyl-4 phenyl ether | ug/l | | Actual | | | | | | |
| 723 | Acenaphthene | ug/l | | Actual | | | | | | |
| 727 | Anthracene | ug/l | Total | Actual | | | | | WQ-1 | |
| 733 | Benzo[a]anthracene | ug/l | | Actual | | | | | | |
| 735 | Benzo[a]pyrene | ug/l | | Actual | | | | | | |
| 737 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | WQ-1 | |
| 739 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | WQ-1 | |
| 741 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | WQ-1 | |
| 743 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | WQ-1 | |
| 747 | Dichlorodiisopropyl ether, 2,2'- | ug/l | | Actual | | | | | | |
| 749 | bis(2-ethylhexyl) phthalate | ug/l | Total | Actual | | | | | WQ-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (DEHP) | | | | | | | | | |
| 763 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | WQ-1 | |
| 765 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | WQ-1 | |
| 767 | Hexachlorobenzene | ug/l | | Actual | | | | | | |
| 769 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | WQ-1 | |
| 771 | Hexachlorocyclopentadiene | ug/l | | Actual | | | | | | |
| 795 | Phenol | ug/l | Total | Actual | | | | | WQ-1 | |
| 797 | Pyrene | ug/l | Total | Actual | | | | | WQ-1 | |
| 862 | Pcb-aroclor (mixture unspecified) | ug/l | Total | Actual | | | | | WQ-1 | |
| 863 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 864 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | WQ-1 | |
| 865 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 866 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | WQ-1 | |
| 867 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 868 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | WQ-1 | |
| 869 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 870 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | WQ-1 | |
| 871 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 872 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | WQ-1 | |
| 873 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 874 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | WQ-1 | |
| 875 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | WQ-1 | |
| 876 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | WQ-1 | |
| 878 | Pcb-aroclor 1262 | ug/l | Total | Actual | | | | | WQ-1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| TOX | Toxic | Sample | Water | | | | N |
| Citations | SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1 | | | | | | |
| Description | (new) test group = 'TOX' | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 456 | Chloropyrifos | ug/l | | Actual | | | | | | |
| 463 | DDD ***retired*** (use DDD, p,p') | ug/l | | Actual | | | | | | |
| 465 | DDD, o,p'- | ug/l | | Actual | | | | | | |
| 466 | DDD, p,p'- | ug/kg | Total | Actual | | | | | WQ-1 | |
| 467 | DDD, p,p'- | ug/l | Total | Actual | | | | | WQ-1 | |
| 469 | DDE ***retired*** (use DDE, p,p'-) | ug/l | | Actual | | | | | | |
| 471 | DDE, o,p'- | ug/l | | Actual | | | | | | |
| 472 | DDE, p,p'- | ug/kg | Total | Actual | | | | | WQ-1 | |
| 473 | DDE, p,p'- | ug/l | Total | Actual | | | | | WQ-1 | |
| 485 | Dicofol | ug/kg | | Actual | | | | | | |
| 628 | Acrolein | ug/l | | Actual | | | | | | |
| 638 | Methyl bromide | ug/l | | Actual | | | | | | |
| 684 | Acetone | ug/l | | Actual | | | | | | |
| 691 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | ug/l | Total | Actual | | | | | WQ-1 | |
| 731 | Benzidine | ug/l | | Actual | | | | | | |
| 745 | bis(2-chloroethyl) ether | ug/l | | Actual | | | | | | |
| 751 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | WQ-1 | |
| 759 | Diethyl phthalate | ug/l | Total | Actual | | | | | WQ-1 | |
| 777 | Isophorone | ug/l | | Actual | | | | | | |
| 793 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | WQ-1 | |
| 82 | Fluorides | mg/l | Dissolved | Actual | | | | | WQ-1 | |

Characteristic Group Details

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21FLSFWM

South Florida Water Management District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 852 | Cyanide | mg/l | Dissolved | Actual | | | | | WQ-1 | |
| 858 | Polychlorinated naphthalenes (PCNs) | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| VOC | VOC- Volatile Organic Compound | Sample | Water | | | | N |

Citations SFWMD, 2004, SFWMD SOP's For Water Quality Monitoring, South Florida Water Management District, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 337 | Dichlorodifluoromethane | ug/l | | Actual | | | | | | |
| 338 | Freon 113 | ug/l | | Actual | | | | | | |
| 600 | Styrene | ug/l | | Actual | | | | | | |
| 606 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | WQ-1 | |
| 608 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | WQ-1 | |
| 610 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | WQ-1 | |
| 612 | Dichloroethane, 1,1- | ug/l | | Actual | | | | | | |
| 614 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | WQ-1 | |
| 616 | 1,2-Dichlorobenzene | ug/l | | Actual | | | | | | VOC-SF |
| 618 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | WQ-1 | |
| 620 | Dichloropropane, 1,2- | ug/l | | Actual | | | | | | |
| 622 | 1,3-Dichlorobenzene | ug/l | | Actual | | | | | | VOC-SF |
| 624 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | WQ-1 | VOC-SF |
| 632 | Benzene | ug/l | | Actual | | | | | | |
| 634 | Dichlorobromomethane | ug/l | | Actual | | | | | | |
| 636 | Bromoform | ug/l | | Actual | | | | | | |
| 640 | Carbon tetrachloride | ug/l | Total | Actual | | | | | WQ-1 | |

Characteristic Group Details

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South Florida Water Management District

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 642 | Chlorobenzene | ug/l | | Actual | | | | | | |
| 644 | Chloroethane | ug/l | | Actual | | | | | | |
| 646 | Chloroform | ug/l | | Actual | | | | | | |
| 648 | Methyl chloride | ug/l | | Actual | | | | | | |
| 650 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | | Actual | | | | | | |
| 656 | Chlorodibromomethane | ug/l | | Actual | | | | | | |
| 658 | Ethylbenzene | ug/l | | Actual | | | | | | |
| 660 | Dichloromethane | ug/l | Total | Actual | | | | | WQ-1 | |
| 664 | Tetrachloroethylene | ug/l | | Actual | | | | | | |
| 666 | Toluene | ug/l | | Actual | | | | | | |
| 668 | Dichloroethene, trans-1,2- | ug/l | | Actual | | | | | | |
| 672 | Trichloroethylene | ug/l | | Actual | | | | | | |
| 676 | Vinyl chloride | ug/l | | Actual | | | | | | |
| 678 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | WQ-1 | XIL1 |
| 680 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | WQ-1 | XYL2 |
| 687 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | WQ-1 | |
| 689 | Diphenylhydrazine, 1,2- | ug/l | | Actual | | | | | | |
| 729 | Diphenylhydrazine, 1,2- | ug/l | | Actual | | | | | | AZODIPH |
| 791 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | WQ-1 | |
| 798 | 1,2-Dichlorobenzene | ug/l | | Actual | | | | | | BNA-SF |
| 799 | 1,3-Dichlorobenzene | ug/l | | Actual | | | | | | BNA-SF |
| 800 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | WQ-1 | BNA-SF |
| 821 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | | Actual | | | | | WQ-1 | |
| 822 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | WQ-1 | |

Characteristic Group Details

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21FLSUW

Suwannee River Water Management District (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| GWQFIELD | Ground Water Field Measurement | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.1 | |
| PHF | pH | None | | Actual | | | | | 150.1 | |
| SP_COND | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| WLMSL | Elevation, water surface, MSL | ft | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| GWQLAB | Ground Water Lab Results | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKTOT | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 310.1 | |
| ASTOT | Arsenic | mg/l | Total | Actual | | | | | 6010B | |
| CATOT | Calcium | mg/l | Total | Actual | | | | | 6010A | |
| CDTOT | Cadmium | mg/l | Total | Actual | | | | | 6010B | |
| CLTOT | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| DOC | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 5310-B | |
| FETOT | Iron | mg/l | Total | Actual | | | | | 6010B | |
| FTOT | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| KTOT | Potassium | mg/l | Total | Actual | | | | | 6010A | |

Characteristic Group Details

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21FLSUW

Suwannee River Water Management District (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MGTOT | Magnesium | mg/l | Total | Actual | | | | | 6010A | |
| MNTOT | Manganese | mg/l | Total | Actual | | | | | 6010B | |
| NATOT | Sodium | mg/l | Total | Actual | | | | | 6010A | |
| NH3N | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | | Actual | | | | | 350.1 | |
| NO2N | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NO3N | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| PBTOT | Lead | mg/l | Total | Actual | | | | | 6010A | |
| PTOT | Phosphorus | mg/l | Total | Actual | | | | | 300(A) | |
| SILICATO | Silica | mg/l | Total | Actual | | | | | 200.7(W) | |
| SITOT | Silicon as Si | mg/l | Total | Actual | | | | | 6010B | |
| SO4TOT | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| SRTOT | Strontium | mg/l | Total | Actual | | | | | 6010B | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| VSS | Solids, Volatile | mg/l | Suspended | Actual | | | | | 160.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| SWQFIELD | Surface water- field measured | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CONDF | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| CONDTEMP | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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Suwannee River Water Management District (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.1 | |
| FLOWCFM | Flow | cfm | | Actual | | | | | NOT REPORTED | |
| FLOWCFS | Flow | cfs | | Actual | | | | | NOT REPORTED | |
| PHF | pH | None | | Actual | | | | | 150.1 | |
| SAL | Salinity | ppth | | Actual | | | | | 120.1 | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHI1 | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| STAGEMSL | Elevation, water surface, MSL | ft | | Actual | | | | | NOT REPORTED | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| TOTDEPM | Depth, bottom | m | | Actual | | | | | | |
| TURB | Turbidity | NTU | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| SWQLAB | Surface Water Stations -Lab | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKTOT | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 310.1 | |
| ASTOT | Arsenic | mg/l | Total | Actual | | | | | 6010B | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | NOT REPORTED | |
| CATOT | Calcium | mg/l | Total | Actual | | | | | 6010A | |
| CDTOT | Cadmium | mg/l | Total | Actual | | | | | 6010B | |

Characteristic Group Details

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Suwannee River Water Management District (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CHLACORR | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CHLARATI | Chlorophyll/Pheophytin ratio | ug/l | Total | Actual | | | | | 10200 SM | |
| CHLB | Chlorophyll-b | ug/l | Total | Actual | | | | | 10200-H | |
| CHLC | Chlorophyll-c | ug/l | Total | Actual | | | | | 10200-H | |
| CLTOT | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| COLIFEC | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| COLITOT | Total Coliform | #/100ml | | Actual | | | | | 9222-B | |
| COLORAP | Color, Apparent | PCU | | Actual | | | | | 110.2 | |
| CONDL | Specific conductance | uS/cm | Total | Actual | | | | | 120.1 | |
| DOC | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 5310-B | |
| FETOT | Iron | mg/l | Total | Actual | | | | | 6010B | |
| FNO3N | Nitrogen, Nitrate (NO3) as NO3 | tons/day | | Calculated | | | | | NOT REPORTED | |
| FTOT | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| KTOT | Potassium | mg/l | Total | Actual | | | | | 6010A | |
| MGTOT | Magnesium | mg/l | Total | Actual | | | | | 6010A | |
| MNTOT | Manganese | mg/l | Total | Actual | | | | | 6010B | |
| NATOT | Sodium | mg/l | Total | Actual | | | | | 6010A | |
| NH3NTOT | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | | Actual | | | | | 350.1 | |
| NO2N | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NO3N | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NOXNTOT | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| OILGREAS | Oil and Grease | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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21FLSUW

Suwannee River Water Management District (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| OPO4D | Phosphorus, orthophosphate as PO4 | mg/l | Dissolved | Actual | | | | | 300(A) | |
| OPO4DISS | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PBTOT | Lead | mg/l | Total | Actual | | | | | 6010A | |
| PHAEPHYT | Pheophytin-a | ug/l | Total | Actual | | | | | 10200-H | |
| PHL | pH | None | Total | Actual | | | | | 150.1 | |
| PTOT | Phosphorus | mg/l | Total | Actual | | | | | 300(A) | |
| RESDISS | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | |
| RESFIXNF | Solids, Fixed | mg/l | | Actual | | | | | NOT REPORTED | |
| RESNFLT | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| RESTOT | Solids, Total | mg/l | | Actual | | | | | NOT REPORTED | |
| RESVOL | Solids, Volatile | mg/l | | Actual | | | | | 160.4 | |
| RESVOLDS | Solids, Volatile | mg/l | Dissolved | Actual | | | | | 160.4 | |
| RESVOLNF | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | 160.4 | |
| SILICATO | Silica | mg/l | Total | Actual | | | | | 200.7(W) | |
| SITOT | Silicon as Si | mg/l | Total | Actual | | | | | 6010B | |
| SO4TOT | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| SRTOT | Strontium | mg/l | Total | Actual | | | | | 6010B | |
| STREPFEC | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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21FLVEMD

Volusa County Environmental Health Lab (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------------------|--|--------|--------|-----------|--------------|---------|
| CG-001 | General Weather Observations | Field Msr/Obs | Air | | | | N |
| Citations | | Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 45.00000 deg C | | | | | | | | |
| 2 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 360.00000 Deg | | | | | | | | |
| 3 | Wind velocity | mph | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 35.00000 mph | | | | | | | | |
| 4 | Cloud cover | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------------|--|--------|--------|-----------|--------------|---------|
| CG-002 | Total Depth and Secchi Depth | Field Msr/Obs | Water | | | | N |
| Description | | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth, bottom | m | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 m | | | | | | | | |
| 2 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 m | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|---|--------|--------|-----------|--------------|---------|
| CG-003 | Hydrolab Measurements | Field Msr/Obs | Water | | | | N |
| Citations | | Hydrolab Corporation, 1998, DataSonde 4 and MiniSonde User's Manual, Hydrolab Corporation, Chapter 3, page 21 | | | | | |

Characteristic Group Details

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21FLVEMD

Volusa County Environmental Health Lab (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water Acceptable Range | deg C 5.00000 - 35.00000 deg C | | Actual | | | | | | |
| 2 | pH Acceptable Range | None 4.00000 - 10.00000 None | | Actual | | | | | | |
| 3 | Specific conductance Acceptable Range | umho/cm 0.00000 - 75,000.00000 umho/cm | | Actual | | | | | | |
| 4 | Salinity Acceptable Range | ppt 0.00000 - 45.00000 ppt | | Actual | | | | | | |
| 5 | Dissolved oxygen (DO) Acceptable Range | mg/l 0.00000 - 15.00000 mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------|--|--------|--------|-----------|--------------|---------|
| CG-004 | HL Sample, Mid-depth | Sample | Water | | | | N |
| Citations | | Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Color, True Acceptable Range | PCU 0.00000 - 1,000.00000 PCU | | Actual | | | | | | |
| 2 | Phosphorus Acceptable Range | mg/l 0.00000 - 1.00000 mg/l | Dissolved | Actual | | | | | | |
| 3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N Acceptable Range | mg/l 0.00000 - 5.00000 mg/l | Dissolved | Actual | | | | | | |
| 4 | Turbidity Acceptable Range | NTU 0.00000 - 90.00000 NTU | | Actual | | | | | | |
| 5 | Solids, Fixed Acceptable Range | mg/l 0.00000 - 90.00000 mg/l | Non-filterable | Actual | | | | | | |
| 6 | Phosphorus | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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21FLVEMD

Volusa County Environmental Health Lab (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 4.00000 mg/l | | | | | | | | |
| 7 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------|--|--------|--------|-----------|--------------|---------|
| CG-005 | ML Sample, Mid-depth | Sample | Water | | | | N |
| Citations | | Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Color, True | PCU | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 999.00000 PCU | | | | | | | | |
| 2 | Turbidity | NTU | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |
| 3 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 200.00000 mg/l | | | | | | | | |
| 4 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 2.00000 mg/l | | | | | | | | |
| 5 | Phosphorus | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| 6 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 7 | Phosphorus | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9.00000 mg/l | | | | | | | | |
| 8 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |

Characteristic Group Details

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21FLVEMD

Volusa County Environmental Health Lab (Florida)

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-006 | SJR-Sample, Mid-depth | Sample | Water | | | | N |

Citations Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Turbidity | NTU | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |
| 2 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 150.00000 mg/l | | | | | | | | |
| 3 | Phosphorus | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| 4 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 5 | Phosphorus | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9.00000 mg/l | | | | | | | | |
| 6 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-007 | Chlorophyll | Sample | Water | | | | N |

Citations Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1

Description The chlorophyll sample is collected at mid-secchi.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | VCEHLP-004 | |
| | Acceptable Range | 0.00000 - 98.00000 ug/l | | | | | | | | |
| 2 | Pheophytin-a | ug/l | Total | Actual | | | | | | |

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Volusa County Environmental Health Lab (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 150.00000 ug/l | | | | | | | | |
| 3 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | VCEHLP-004 | |
| | Acceptable Range | 0.00000 - 150.00000 ug/l | | | | | | | | |
| 4 | Chlorophyll-b | ug/l | Total | Actual | | | | | VCEHLP-004 | |
| | Acceptable Range | 0.00000 - 50.00000 ug/l | | | | | | | | |
| 5 | Chlorophyll-c | ug/l | Total | Actual | | | | | VCEHLP-004 | |
| | Acceptable Range | 0.00000 - 50.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| CG-008 | Bacteriological | Sample | Water | | | | N |
| | Citations | Compiled by Melissa Bouchelle, 1993, Indian River Lagoon Water Quality Monitoring Network QA / QC Manual, SJRWMD Indian River Lagoon National Estuary Program, Section 7.0, Page 1 | | | | | |
| | Description | Bacteriological sampling tongs are used to fill a Whirlpak bag with sample at a depth of 0.3 meters. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Total Coliform | #/100ml | Total | Actual | | | | | EPA TOTAL COL | |
| | Acceptable Range | 0.00000 - 1,000.00000 #/100ml | | | | | | | | |
| 2 | Fecal Coliform | #/100ml | Total | Actual | | | 24 Hours | | EPA FECAL COL | |
| | Acceptable Range | 0.00000 - 800.00000 #/100ml | | | | | | | | |
| 3 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| CG-AIR | Air Samples | Sample | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00020 | Temperature, air | deg C | | Actual | | | | | 170.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-FLD | Field Observations | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 1.00000 - 40.00000 | deg C | | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 40.00000 | deg C | | | | | | | |
| 00076 | Turbidity | NTU | Total | Actual | | | | | 2130B | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 | m | | | | | | | |
| 00090 | Oxidation reduction potential (ORP) | mV | Total | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | Total | Actual | | | | | 2510B | |
| | Acceptable Range | 0.00000 - 70,000.00000 | umho/cm | | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500 | |
| | Acceptable Range | 0.00000 - 20.00000 | mg/l | | | | | | | |
| 00400 | pH | None | Total | Actual | | | | | 150.1 | |
| | Acceptable Range | 2.00000 - 13.00000 | None | | | | | | | |
| 00480 | Salinity | ppt | Total | Actual | | | | | 2520B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| CG-LAB | Lab parameters | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | Total | Actual | | | | | 2130B | |
| 00080 | Color, True | PCU | Total | Actual | | | | | 2120B | |
| | Acceptable Range | 0.00000 - 2,000.00000 PCU | | | | | | | | |
| 00307 | BOD, nitrogenous | mg/l | Total | Calculated | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | | 5210B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 5220B | |
| 00403 | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 2.00000 - 13.00000 None | | | | | | | | |
| 00410 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320B | |
| 00500 | Solids, Total | mg/l | Total | Actual | | | | | 2540B | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 2540D | |
| 00600 | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Calculated | | | | | 351.2 | DEPSED SOP-019 |
| 00605 | Nitrogen, organic | mg/l | Total | Calculated | | | | | | DEPSED SOP-019 |
| 00608 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Dissolved | Actual | | | | | | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | DEP-SED-SOP-003 | DEPSED SOP-003 |
| 00612 | Ammonia, unionized | mg/l | Total | Calculated | | | | | | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| 00623 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | | DEPSED SOP-019 |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | DEP-SED-SOP-019 | 351.2 MAR 83 |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | DEP-SED-SOP-012 | DEPSED SOP-012 |
| 00631 | | mg/l | Dissolved | Actual | | | | | | DEPSED SOP-012 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | | | | | | | | | |
| 00640 | Nitrogen, inorganic | mg/l | Total | Calculated | | | | | | DEPSED SOP-019 |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | DEP-SED-SOP-021 | DEPSED SOP-021 |
| 00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | DEP-SED-SOP-021 | DEPSED SOP-021 |
| 00670 | Phosphorus, organic as P | mg/l | Total | Actual | | | | | | DEPSED SOP-021 |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | DEP-SED-SOP-015 | DEPSED SOP-015 |
| 00720 | Cyanide | ug/l | Total | Actual | | | | | 335.3 | |
| 00900 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 2340C | |
| 00916 | Calcium | | Total | Actual | | | | | | |
| 00927 | Magnesium | | Total | Actual | | | | | | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | DEP-SED-SOP-007 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| 00950 | Fluorides | mg/l | Dissolved | Actual | | | | | 4500F | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 4500F | |
| 00955 | Silica | ug/l | Dissolved | Actual | | | | | 4500SI | |
| 00956 | Silicate | mg/l | Dissolved | Actual | | | | | | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | SM3500-AS.C | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01012 | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 3500-CR-C | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01042 | Copper | ug/l | Total | Actual | | | | | SM3500-CU.C | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01051 | Lead | ug/l | Total | Actual | | | | | SM3500-PB.C | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | SM3500-MN.C | |
| 01059 | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | SM3500-NI.C | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01093 | Zinc | mg/kg | Total | Actual | | | | | 6010B | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01108 | Aluminum | mg/kg | Total | Actual | | | | | 6010B | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01170 | Iron | mg/kg | Total | Actual | | | | | 6010B | |
| 31501 | Total Coliform | #/100ml | Total | Actual | | | | | 9222B | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222D | |
| 31673 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230C | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200H(2)(C) | DEPSED SOP-008 |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200H(2)(B) | DEPSED SOP-008 |
| 32212 | Chlorophyll-b | ug/l | Total | Actual | | | | | 10200H(2)(C) | DEPSED SOP-008 |
| 32214 | Chlorophyll-c | ug/l | Total | Actual | | | | | 10200H(2)(C) | DEPSED SOP-008 |
| 32218 | Pheophytin-a | ug/l | Total | Actual | | | | | 10200H(2)(B) | DEPSED SOP-008 |
| 34203 | Acenaphthylene | ug/kg | Total | Actual | | | | | 8270B(S) | |
| 34208 | Acenaphthene | ug/kg | Total | Actual | | | | | 8270B(S) | |
| 34223 | Anthracene | ug/kg | Total | Actual | | | | | 8270B(S) | |
| 34245 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | 8270B(S) | |
| 34250 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | 8270B(S) | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-------|-----------------|------------|----------------|----------------------------|----------------|------------|---------------------|----------------------------|
| 46003 | Phosphate | mg/l | Dissolved | Actual | | | | | | |
| 70300 | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | 2540C | |
| 71870 | Bromide | mg/l | Total | Actual | | | | | | |
| 71921 | Mercury | ug/kg | Total | Actual | | | | | 7471A | |
| 71930 | Mercury | mg/kg | Total | Actual | | | | | 245.6 | |
| 80082 | BOD, carbonaceous | mg/l | Total | Actual | | | | | | |
| 80096 | Particle distribution | mg/kg | | Calculated | | Dry Particle Size Basis | Total | | 2540E | 3550B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|----------|--------|-----------|--------------|---------|
| CG-SED | Sediment Samples | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00627 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | 351.2 | |
| 00668 | Phosphorus as P | mg/kg | Total | Actual | | | | | | |
| 00721 | Cyanide | mg/kg | Total | Actual | | | | | 335.3 | |
| 01003 | Arsenic | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01028 | Cadmium | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01029 | Chromium | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01043 | Copper | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01052 | Lead | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01053 | Manganese | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01068 | Nickel | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01078 | Silver | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01093 | Zinc | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 01108 | Aluminum | mg/kg | Total | Actual | | | | | 6010B | 3050 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01170 | Iron | mg/kg | Total | Actual | | | | | 6010B | 3050 |
| 31641 | Fecal Coliform | MPN | Total | Actual | | | | | 9222D | |
| 34203 | Acenaphthylene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34208 | Acenaphthene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34223 | Anthracene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34233 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34245 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34250 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34257 | BHC-beta | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 34262 | BHC-delta | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 34323 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34354 | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 34359 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 34364 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 34379 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34384 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34406 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34445 | Naphthalene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34464 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34472 | Pyrene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34529 | Benzo[a]anthracene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 34559 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 38743 | Chlorpyrifos-methyl | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 38858 | Naled | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 38923 | Metolachlor | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39046 | Simazine | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39076 | BHC-alpha | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39311 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39321 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39333 | Aldrin | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39343 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39351 | Chlordane | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39383 | Dieldrin | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39393 | Endrin | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39399 | Ethion | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39403 | Toxaphene | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39423 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39481 | Methoxychlor | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39491 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39495 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39499 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39503 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39507 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39511 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39514 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 39531 | Malathion | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39541 | Parathion | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39571 | Diazinon | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39581 | Azinphos-methyl | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39601 | Methyl parathion | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 39631 | Atrazine | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|---------|-----------------|------------|----------------------------|--------------|----------------|------------|---------------------|----------------------------|
| 49195 | Bromacil | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 70318 | Solids, Fixed | % by wt | Non-volatile | Actual | | | | | 2540B1 | |
| 70322 | Solids, Volatile | % by wt | Volatile | Actual | | | | | 2540E | |
| 71921 | Mercury | mg/kg | Total | Actual | | | | | 7471_M | SOP-HG-020 |
| 75044 | Heptachlor | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 78505 | Ametryne | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 78688 | Prometryn | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 78828 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | 8270C(S) | 3550B |
| 79792 | Chloropyrifos | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 80096 | Particle distribution | mg/kg | | Calculated | | | | | 2540E | 3550B |
| | | | | | Particle Size Basis | | Total | | | |
| 81407 | Alachlor | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 81409 | Metribuzin | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 81412 | Phorate | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 81889 | Azodrin | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 82288 | Ethoprop | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 82408 | Fonofos | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| 82633 | Endrin Aldehyde | ug/kg | Total | Actual | | | | | 8081/8082_M | 3550B |
| 82643 | Phosdrin | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| PSL01 | Fenamiphos | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| PSL02 | Hexazinone | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| PSL03 | Methamidophos | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |
| PSL04 | Norflurazon | ug/kg | Total | Actual | | | | | 8141A(S)_M | 3550B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-TLH | Tallahassee Central Lab Import | Sample | Water | | | | N |

Citations American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health

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Description Association, 20th Edition
standard methods 1998

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210B | |
| 00608 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | DEP-SED-SOP-003 | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | DEP-SED-SOP-003 | |
| 00623 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | 351.2 | 351.2 MAR 83 |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | 351.2 MAR 83 |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | 365.4 (SED) |
| 00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.4 | 365.4 (SED) |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300.0 | |
| 00955 | Silica | ug/l | Dissolved | Actual | | | | | 4500SI | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | 6010B | 3050 |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01012 | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01042 | Copper | ug/l | Total | Actual | | | | | SM3500-CU.C | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | 200.2 |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01059 | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.10_M | 200.2 |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | 200.2 |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | 200.2 |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2 |
| 04254 | Metalaxyl | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 34259 | BHC-delta | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 34351 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 34356 | Endosulfan, beta- | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 34361 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 34366 | Endrin Aldehyde | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 34671 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 38740 | Chlorpyrifos-methyl | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 38815 | Hexazinone | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 38855 | Naled | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 38929 | Fenamiphos | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 38932 | Chloropyrifos | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39033 | Atrazine | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39055 | Simazine | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39057 | Prometryn | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39300 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39310 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39320 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39330 | Aldrin | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39337 | BHC-alpha | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39338 | BHC-beta | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39340 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39350 | Chlordane | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39356 | Metolachlor | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39380 | Dieldrin | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39390 | Endrin | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39398 | Ethion | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39400 | Toxaphene | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39410 | Heptachlor | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39420 | Heptachlor epoxide | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39480 | Methoxychlor | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39488 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39492 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39496 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39500 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39504 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39508 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | DEPSOP-GC-011-5 | SOP-GC-002 |
| 39530 | Malathion | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39570 | Diazinon | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39580 | Azinphos-methyl | ug/l | Total | Actual | | | | | 8141A(S)_M | SOP-GC-002 |
| 39600 | Methyl parathion | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 39610 | Phosdrin | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | 200.2 |
| 46313 | Phorate | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 46315 | Parathion | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | 200.2 |
| 77825 | Alachlor | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 78064 | Norflurazon | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 81294 | Fonofos | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 81408 | Metribuzin | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 81410 | Butylate | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 81758 | Ethoprop | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 82184 | Ametryne | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |
| 82198 | Bromacil | ug/l | Total | Actual | | | | | DEPSOP-GC-012-3 | SOP-GC-002 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| SHRTFLD | short field group | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | None | Total | Actual | | | | | 150.1 | |
| | Acceptable Range | 2.00000 - 13.00000 | None | | | | | | | |
| | Specific conductance | umho/cm | Total | Actual | | | | | 2510B | |
| | Acceptable Range | 0.00000 - 70,000.00000 | umho/cm | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500 | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 1.00000 - 40.00000 deg C | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHEM-SED | General Chemistry, Sediment | Sample | Sediment | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 46247 | Carbon, organic plus inorganic (TC) **Retired | % | Total | Actual | | | | | DEP-SOP-NU-076 | |
| 46248 | Phosphorus as P | mg/kg | Total | Actual | | | | | 365.4 | |
| 49579 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | 351.2 | |
| 70316 | Weight | g/ml | | Actual | | Dry | | | DEP-SOP-BB14 | |
| 80149 | Carbon, Total Inorganic | % | Total | Actual | | | | | DEP-SOP-NU-076 | |
| 80153 | Carbon, Total Organic (Toc) | % | Total | Actual | | | | | DEP-SOP-NU-076 | |
| 80256 | Particle size, Sieve No. 10, 9 mesh, (2.00mm) | % by wt | Total | Actual | | Dry | | | DEP-SOP-BB15_5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELDA | Field Measurements - Air | Field Msr/Obs | Air | | | | N |

Description Field Measurements about the air - the ambient weather.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00032 | Cloud cover | % | | Actual | | | | | | |
| 00035 | Wind velocity | mph | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00045 | Precipitation | in | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | | Result Group | Habitat |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FIELDW | Field Obs. and Measurements | Field Msr/Obs | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00004 | Stream width measure | ft | | Actual | | | | | DEP-SOP-FT-1800 | |
| 00010 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| 00055 | Velocity - stream | ft/sec | | Actual | | | | | DEP-SOP-FT-1800 | |
| 00061 | Flow | cfs | | Calculated | | | | | DEP-SOP-FT-1800 | |
| 00064 | Depth | ft | | Calculated | Mean | | | | DEP-SOP-FT-1800 | |
| 00065 | Gage height | ft | | Actual | | | | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00078 | Depth, Secchi Disk Depth | ft | | Actual | | | | | DEP-SOP-FT-1700 | |
| 00090 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | 2580 | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| 00198 | Light attenuation, depth at 10% | ft | | Actual | | | | | DEP-SOP-FT-1700 | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.1 | |
| 00301 | Dissolved oxygen saturation | % | | Actual | | | | | 360.1 | |
| 00400 | pH | None | | Actual | | | | | 150.1 | |
| 00480 | Salinity | ppth | | Actual | | | | | 2520-B | |
| 81903 | Depth, bottom | ft | | Actual | | | | | | |
| 82078 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| SDCL | Depth, Secchi Disk Depth (Choice List) | | | | | | | | DEP-SOP-FT-1700 | |
| WLRP | Water level reference point | ft | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | elevation | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|-------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| GENCHEM | General Chemistry | Sample | Water | | | | N | | | |
| Description | | Laboratory Analyses of water where the lab code describes one or two parameters. | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 00081 | Color, Apparent | PCU | | Actual | | | | | 110.2 | |
| 00095 | Specific conductance | mho/cm | | Actual | | | | | 120.1 | |
| 00192 | BOD, ultimate carbonaceous | ug/l | | Actual | | | | | 5210-B | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| 00403 | pH | None | | Actual | | | | | 150.1 | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 310.1 | |
| 00480 | Salinity | ppt | | Actual | | | | | 2520-B | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| 00556 | Oil and Grease | mg/l | | Actual | | | | | 1652 | |
| 00610 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | 351.2 |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | 365.4 |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 00745 | Sulfide | mg/l | | Actual | | | | | 376.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00900 | Hardness, Ca + Mg | mg/l | | Actual | | | | | 2340 | |
| 00940 | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 00951 | Fluorides | mg/l | Dissolved | Actual | | | | | 340.2 | |
| 00956 | Silica | mg/l | Total | Actual | | | | | 370.1 | |
| 31501 | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| 31648 | Escherichia coli | #/100ml | Total | Actual | | | | | 9230-C | |
| 31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| 31673 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-G | DEP-SOP-BB02 |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-G | DEP-SOP-BB02 |
| 32218 | Pheophytin-a | ug/l | | Actual | | | | | 10200-G | DEP-SOP-BB02 |
| 70300 | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1 | |
| 80082 | BOD, carbonaceous | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| 82030 | BOD, nitrogenous | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| 85209 | Algal growth potential | mg/l | Dissolved | Actual | | | | | 10200-G | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| METALS-O | Metals - other | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METALS-S | Metals in Sediment | Sample | Sediment | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 50119 | Aluminum | mg/kg | Total | Actual | | | | | 6010B | |
| 50120 | Arsenic | mg/kg | Total Recovrble | Actual | | | | | 6010B | |
| 50125 | Cadmium | mg/kg | Total | Actual | | | | | 6010B | |
| 50127 | Chromium | mg/kg | Total | Actual | | | | | 6010B | |
| 50128 | Copper | mg/kg | Total | Actual | | | | | 6010B | |
| 50129 | Iron | mg/kg | Total | Actual | | | | | 6010B | |
| 50135 | Nickel | mg/kg | Total | Actual | | | | | 6010B | |
| 50136 | Lead | mg/kg | Total | Actual | | | | | 6010B | |
| 50143 | Zinc | mg/kg | Total | Actual | | | | | 6010B | |
| 78419 | Silver | mg/kg | Total | Actual | | | | | 6010B | |
| 80330 | Mercury | mg/kg | Total | Actual | | | | | 245.5 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METALS1 | Metals - EPA 200.8 Mod. | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1002 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1012 | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1027 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1034 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1037 | Cobalt | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1042 | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1051 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1055 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1059 | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1067 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1077 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1092 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1105 | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1147 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| METALS2 | Metals - EPA 200.7 Mod. | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00916 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00929 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00937 | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| NON-VOL | Non-Volatile Compounds | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 81436 | Caffeine | ug/l | Total | Actual | | | | | 8321 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|----------|--------|-----------|--------------|---------|
| ORG-SED | Organic Compounds in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34203 | Acenaphthylene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34208 | Acenaphthene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34223 | Anthracene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34323 | Chrysene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34379 | Fluoranthene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34384 | Fluorene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34445 | Naphthalene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34464 | Phenanthrene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 34472 | Pyrene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 50909 | Benzo[a]anthracene | ug/kg | Total | Actual | | | | | 8270C(S) | |
| 73161 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | 8270C(S) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 73164 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | | | | 8270C(S) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| ORGANICS | Organic Compounds (BNA) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 04259 | Azobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34200 | Acenaphthylene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34205 | Acenaphthene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34220 | Anthracene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34230 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34242 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34247 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34259 | BHC-delta | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34273 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34278 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34283 | Dichlorodiisopropyl ether, 2,2'- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34292 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34320 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34336 | Diethyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34341 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34356 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34361 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34366 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34376 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34381 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | 8270C(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34386 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34391 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34396 | Hexachloroethane | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34403 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34408 | Isophorone | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34428 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34433 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34438 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34447 | nitro-Benzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34452 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34461 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34469 | Pyrene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34521 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34526 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34536 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34556 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34581 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34586 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34591 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34596 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34601 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34606 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34611 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34616 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 8270C(W) | |

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|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34621 | 2,4,6-Trichlorophenol (TCPPh) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34626 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34631 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34636 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34641 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34646 | p-Nitrophenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34651 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34657 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34694 | Phenol | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34696 | Naphthalene | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39032 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39110 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39120 | Benzidine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39300 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39310 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39320 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39330 | Aldrin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39337 | BHC-alpha | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39338 | BHC-beta | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39340 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39380 | Dieldrin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39390 | Endrin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39410 | Heptachlor | ug/l | Total | Actual | | | | | 8270C(W) | |

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|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39420 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39700 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 8270C(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|----------|--------|-----------|--------------|---------|
| PEST-SED | Pesticides & PCB's in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39491 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 39495 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 39499 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 39503 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 39507 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 39511 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 39514 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 49326 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 49328 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 49330 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 73173 | Chlordane | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 73175 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 75045 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 75047 | Dieldrin | ug/kg | Total | Actual | | | | | 8081A(SNB) | |
| 75048 | Endrin | ug/kg | Total | Actual | | | | | 8081A(SNB) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| PEST1 | Pesticides (PEST-NP), EPA 614 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 38740 | Chlorpyrifos-methyl | ug/l | Total | Actual | | | | | 614 | |
| 38855 | Naled | ug/l | Total | Actual | | | | | 614 | |
| 38929 | Fenamiphos | ug/l | Total | Actual | | | | | 614 | |
| 38932 | Chloropyrifos | ug/l | Total | Actual | | | | | 614 | |
| 39033 | Atrazine | ug/l | Total | Actual | | | | | 614 | |
| 39055 | Simazine | ug/l | Total | Actual | | | | | 614 | |
| 39057 | Prometryn | ug/l | Total | Actual | | | | | 614 | |
| 39356 | Metolachlor | ug/l | Total | Actual | | | | | 614 | |
| 39398 | Ethion | ug/l | Total | Actual | | | | | 614 | |
| 39530 | Malathion | ug/l | Total | Actual | | | | | 614 | |
| 39570 | Diazinon | ug/l | Total | Actual | | | | | 614 | |
| 39580 | Azinphos-methyl | ug/l | Total | Actual | | | | | 614 | |
| 39600 | Methyl parathion | ug/l | Total | Actual | | | | | 614 | |
| 39610 | Phosdrin | ug/l | Total | Actual | | | | | 614 | |
| 4254 | Metalaxyl | ug/l | Total | Actual | | | | | 614 | |
| 46313 | Phorate | ug/l | Total | Actual | | | | | 614 | |
| 46315 | Parathion | ug/l | Total | Actual | | | | | 614 | |
| 77825 | Alachlor | ug/l | Total | Actual | | | | | 614 | |
| 81294 | Fonofos | ug/l | Total | Actual | | | | | 614 | |
| 81408 | Metribuzin | ug/l | Total | Actual | | | | | 614 | |
| 81410 | Butylate | ug/l | Total | Actual | | | | | 614 | |
| 81758 | Ethoprop | ug/l | Total | Actual | | | | | 614 | |
| 82184 | Ametryne | ug/l | Total | Actual | | | | | 614 | |
| 82198 | Bromacil | ug/l | Total | Actual | | | | | 614 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PEST2 | Pesticides (PEST-CL), EPA 608 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 34259 | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| 34351 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| 34356 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| 34361 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| 34366 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 608 | |
| 39300 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| 39310 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 608 | |
| 39320 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| 39330 | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| 39337 | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| 39338 | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| 39340 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| 39350 | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| 39380 | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| 39390 | Endrin | ug/l | Total | Actual | | | | | 608 | |
| 39400 | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| 39410 | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| 39420 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| 39480 | Methoxychlor | ug/l | Total | Actual | | | | | 608 | |

Characteristic Group Details

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21GACRD

Georgia Coastal Resources Division

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| TESTID | test | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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21GAEPD

Georgia Environmental Protection Division

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| GA001 | Std Trend Monitoring Nutrients | Sample | Water | | | | N |

Description Standard group of Nutrient analysis run on most every Trend Monitoring Sample

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| GA003 | Phosphorus as P | mg/l | Total | Actual | | | | | | | |
| | Acceptable Range | 0.02000 - 25.00000 mg/l | | | | | | | | | |
| | Nitrogen, ammonia (NH3) as NH3 | | | | | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | | | | | | | | | | |

Characteristic Group Details

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21GUAM

Guam Environmental Protection Agency

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| GUAM-001 | Guam EPA Legacy STORET | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 10 | Temperature, water | deg C | | Actual | | | | | | |
| 11 | Temperature, water | deg F | | Actual | | | | | GUAM01 | |
| 14 | Temperature, wet bulb | deg C | | Actual | | | | | GUAM01 | |
| 20 | Temperature, air | deg C | | Actual | | | | | GUAM01 | |
| 300 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | GUAM01 | |
| 301 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | GUAM01 | |
| 31613 | Fecal Coliform | MPN | Total | Actual | | | 24 Hours | 45 Deg C | GUAM01 | |
| 31616 | Fecal Coliform | CFU | Total | Actual | | | | | GUAM01 | |
| 32 | Cloud cover | % | | Actual | | | | | GUAM01 | |
| 340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | GUAM01 | |
| 36 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | GUAM01 | |
| 37 | Wind force, Beaufort scale | None | | Actual | | | | | GUAM01 | |
| 400 | pH | None | Total | Actual | | | | | GUAM01 | |
| 403 | pH | None | Total | Actual | | | | | GUAM01 | |
| 43 | Cloud type (choice list) | | | | | | | | GUAM01 | |
| 480 | Salinity | ppt | Total | Actual | | | | | GUAM01 | |
| 530 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | GUAM01 | |
| 615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | GUAM01 | |
| 630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | GUAM01 | |
| 655 | Phosphorus, polyphosphate as PO4 | mg/l | Total | Actual | | | | | GUAM01 | |
| 665 | Phosphorus as P | mg/l | Total | Actual | | | | | GUAM01 | |
| 70 | Turbidity | JTU | Total | Actual | | | | | GUAM01 | |

Characteristic Group Details

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21GUAM

Guam Environmental Protection Agency

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 70225 | Current speed | m/sec | | Actual | | | | | GUAM01 | |
| 70226 | Current direction | Deg | | Actual | | | | | GUAM01 | |
| 70299 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | GUAM01 | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | GUAM01 | |
| 71850 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | GUAM01 | |
| 76 | Turbidity | FTU | | Actual | | | | | GUAM01 | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | GUAM01 | |
| 82245 | Depth, Secchi Disk Depth | m | | Estimated | | | | | GUAM01 | |
| 83502 | Distance from/to | yd | | Actual | | | | | GUAM01 | |
| 83503 | Distance from/to | m | | Actual | | | | | GUAM01 | |

Characteristic Group Details

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21HI

Hawaii Dept. of Health

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACTI01 | Enterococcus | Sample | Water | | | | N |

Citations EPA, 1997, Membrane filter test method for Enterococci in water, EPA, Standalone document

| | | | | | | | | | | |
|---------------|-----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ENTERO1 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | BACTI SAMP 01 | |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACTI02 | Clostridium perfringens | Sample | Water | | | | N |

Citations J.W. Bisson and V.J. Cabelli, 1979, Membrane filter enumeration method for Clostridium perfringens, Applied Environmental Microbiology, 37 no.1 p55-66

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CLOSTR | Clostridium perfringens | #/100ml | Total | Actual | | | | | BACTI SAMP 02 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACTI03 | Fecal Coliform | Sample | Water | | | | N |

Citations Standard Methods, 1998, Fecal Coliform membrane filter procedure, The American Public Health Association and The American Water Works Association and The Water Environment Association, 20th Ed. p9-63

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FECAL1 | Fecal Coliform | #/100ml | Total | Actual | | | | | BACTI SAMP 03 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CHEMICAL | Chemistry Data | Sample | Water | | | | N |

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Hawaii Dept. of Health

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | CHEM SAMP 04 | |
| CHLOROPH | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | CHEM SAMP 04 | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | CHEM SAMP 01 | |
| NO3NO2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | CHEM SAMP 04 | |
| PHOS | Phosphorus | mg/l | Total | Actual | | | | | CHEM SAMP 04 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | CHEM SAMP 01 | |
| TEMP | Temperature, water | deg C | | Actual | | | | | CHEM SAMP 01 | |
| TOTAL N | Nitrogen, organic | mg/l | Total | Actual | | | | | CHEM SAMP 04 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | CHEM SAMP 04 | |
| TURBIDIT | Turbidity | NTU | | Actual | | | | | CHEM SAMP 02 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| HISTORIC | Historic Hawaii DOH Data | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Clostridium perfringens | cfu/100ml | Total | Actual | | | | | BACTI SAMP 02 | |
| 2 | Temperature, water | deg C | | Actual | | | | | CHEM SAMP 01 | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 3 | Salinity | mg/l | Total | Actual | | | | | CHEM SAMP 01 | |
| 4 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | CHEM SAMP 01 | |
| 5 | Turbidity | mg/l | | Actual | | | | | CHEM SAMP 02 | |

Characteristic Group Details

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Iowa Dept. of Natural Resources

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD1 | Ambient Field Parameters | Field Msr/Obs | Water | | | | N |

Description These are the standard field parameters collected by the University Hygienic Laboratory as part of the ambient monitoring program.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 014 | Chlorine | mg/l | Total | Actual | | | | | 4500-CL(G) | |
| 015 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 016 | pH | None | | Actual | | | | | 4500-H | |
| 017 | Temperature, water | deg C | | Actual | | | | | | |
| 018 | Flow | cfs | | Actual | | | | | USGS CA8 | |
| 281 | Flow, severity (choice list) | | | | | | | | | |
| 282 | Ice cover, floating or solid - severity (choice list) | | | | | | | | | |
| 286 | Stream condition (text) | | | | | | | | | |
| 288 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 294 | Water level in well, measured from MSL | ft | | Calculated | | | | | | |
| 299 | Depth, bottom | m | | Actual | | | | | | |
| 300 | Specific conductance | uS/cm | | Actual | | | | | | |
| 301 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 302 | Water level in well, depth from a reference point | ft | | Actual | | | | | | |
| 447 | Solids, Dissolved | mg/l | Total | Calculated | | | | | HYDROLAB | |
| 480 | Transparency, tube with disk | mm | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD2 | Amb. Field Measurements (air) | Field Msr/Obs | Air | | | | N |

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Iowa Dept. of Natural Resources

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 280 | Cloud cover (choice list) | | | | | | | | | |
| 283 | Temperature, air | deg F | | Estimated | | | | | | |
| 284 | Wind velocity | mph | | Estimated | | | | | | |
| 285 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| UHL10 | Radionuclides | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 394 | Radium-226/228 | pCi/L | Total | Calculated | | | | | 903 | |
| 395 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| 396 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| 397 | Radium-226 | pCi/L | Total | Actual | | | | | 903 | |
| 398 | Radium-228 | pCi/L | Total | Actual | | | | | | |
| 460 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 00-02 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| UHL11 | Pharmaceuticals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 438 | Lincomycin | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 439 | Sulfathiazole | ug/l | Total | Actual | | | | | PHARMA LC-1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 440 | Trimethoprim | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 441 | Tylosin | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 442 | Sulfamethoxazole | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 445 | Acetaminophen | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 475 | Carbamazepine | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 476 | Ibuprofen | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 477 | Sulfadimethoxine | ug/l | Total | Actual | | | | | PHARMA LC-1 | |
| 478 | Sulfamethazine | ug/l | Total | Actual | | | | | PHARMA LC-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|----------|--------|-----------|--------------|---------|
| UHL12 | Pesticides in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| S001 | Aldrin | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S002 | Pcb-aroclor 1016 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S003 | Pcb-aroclor 1221 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S004 | Pcb-aroclor 1232 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S005 | Pcb-aroclor 1242 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S006 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S007 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S008 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | 8082(S) | 3550-B |
| S009 | Chlordane | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S010 | DDD, p,p'- | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S011 | DDE, p,p'- | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S012 | DDT, p,p'- | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S013 | Dieldrin | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| S014 | Endosulfan, alpha- | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S015 | Endosulfan, beta- | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S016 | Endosulfan Sulfate | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S017 | Endrin | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S018 | Endrin Aldehyde | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S019 | Endrin ketone | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S020 | Heptachlor | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S021 | Heptachlor epoxide | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S022 | BHC-gamma (Lindane) | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S023 | Methoxychlor | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S024 | Toxaphene | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S025 | BHC-alpha | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S026 | BHC-beta | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |
| S027 | BHC-delta | mg/kg | Total | Actual | | | | | EPA 8081A | 3550-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| UHL13 | Metals in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| S028 | Antimony | mg/kg | Total | Actual | | | | | 6020 | |
| S029 | Arsenic | mg/kg | Total | Actual | | | | | 6020 | |
| S030 | Beryllium | mg/kg | Total | Actual | | | | | 6020 | |
| S031 | Cadmium | mg/kg | Total | Actual | | | | | 6020 | |
| S032 | Chromium | mg/kg | Total | Actual | | | | | 6020 | |
| S033 | Copper | mg/kg | Total | Actual | | | | | 6020 | |
| S034 | Lead | mg/kg | Total | Actual | | | | | 6020 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| S035 | Mercury | mg/kg | Total | Actual | | | | | 7471A | |
| S036 | Mercury | mg/kg | Total | Actual | | | | | EPA 7471A-UHL | |
| S037 | Nickel | mg/kg | Total | Actual | | | | | 6020 | |
| S038 | Selenium | mg/kg | Total | Actual | | | | | 6020 | |
| S039 | Silver | mg/kg | Total | Actual | | | | | 6020 | |
| S040 | Thallium | mg/kg | Total | Actual | | | | | 6020 | |
| S041 | Zinc | mg/kg | Total | Actual | | | | | 6020 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|----------|--------|-----------|--------------|---------|
| UHL14 | Nutrients in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| S042 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | 351.2 | |
| S043 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | Total | Actual | | | | | 353.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| UHL2 | Pesticides | Sample | Water | | | | N |

Description These are the common pesticides analyzed by the University Hygienic Laboratory.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Atrazine | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 002 | Cyanazine | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 003 | Metolachlor | ug/l | Total | Actual | | | | | 507 | 3510-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 004 | Alachlor | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 005 | Metribuzin | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 006 | Butylate | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 007 | Trifluralin | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 008 | Acetochlor | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 009 | Desethyl atrazine | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 010 | Desisopropyl atrazine | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 011 | Simazine | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 055 | Ametryne | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 056 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 057 | Prometone | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 058 | Propachlor | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 059 | Propazine | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 060 | Dimethenamid | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 061 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 062 | Aldrin | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 063 | BHC-alpha | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 064 | BHC-beta | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 065 | BHC-delta | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 066 | Carbofuran | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 067 | Chlordane | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 068 | Chlorpyrifos-methyl | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 069 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 070 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 508 | 3510-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 071 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 072 | Diazinon | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 073 | Dicamba | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 074 | Dieldrin | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 075 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 076 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 077 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 078 | Endrin | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 079 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 080 | Endrin ketone | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 081 | Ethoprop | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 082 | Fonofos | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 083 | Heptachlor | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 084 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 085 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 086 | Malathion | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 087 | Methoxychlor | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 088 | Phorate | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 089 | Picloram | ug/l | Total | Actual | | | | | 515.1 | 3510-B |
| 090 | Silvex | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 091 | Terbufos | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 092 | Toxaphene | ug/l | Total | Actual | | | | | 508 | 3510-B |
| 093 | Bentazone | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 094 | Bromacil | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 095 | Butachlor | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 096 | Sevin | ug/l | Total | Actual | | | | | 507 | 3510-B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 097 | Dimethazone | ug/l | Total | Actual | | | | | 507 | |
| 098 | Pendimethalin | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 099 | Triallate | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 250 | Chloramben | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 251 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 252 | 2,4-DB, Dichlorophenoxybutyric acid | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 253 | Acifluorfen | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 254 | Bromoxynil | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 255 | Dacthal | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 256 | Dichloropropionic acid, 2,2- ***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 257 | Dichlorprop | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 258 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 259 | MCPPP, Mecoprop | ug/l | Total | Actual | | | | | 515.1 | |
| 260 | MCPA, Methyl chlorophenoxy acetic acid | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 261 | Triclopyr | ug/l | Total | Actual | | | | | 515.1 | 8150-P |
| 262 | Glyphosate (Roundup) | ug/l | Total | Actual | | | | | 547 | |
| 263 | AMPA | ug/l | Total | Actual | | | | | 547 | |
| 264 | Dichlorovos (DDVP) | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 265 | Disulfoton | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 266 | Isofenphos | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 267 | Methyl parathion | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 268 | Parathion | ug/l | Total | Actual | | | | | 507 | 3510-B |
| 269 | Dimethoate | ug/l | Total | Actual | | | | | 507 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 270 | Atrazine | ug/l | Total | Actual | | | | | UHLIMA | |
| 413 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 414 | Dicamba | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 415 | Picloram | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 416 | Silvex | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 417 | Bentazone | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 419 | Triclopyr | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 420 | Chloramben | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 421 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 422 | 2,4-DB, Dichlorophenoxybutyric acid | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 423 | Acifluorfen | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 424 | Bromoxynil | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 425 | Dacthal | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 426 | Dichlorprop | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 427 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 436 | Thifensulfuron methyl | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 437 | Nicosulfuron | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 443 | Chlorosulfuron | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 444 | Chlorimuron-ethyl | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 462 | Flumetsulam | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 463 | Halosulfuron-methyl | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 464 | Imazapic | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 465 | Imazamox | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 466 | Imazapyr acid | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 467 | Imazaquin acid | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 468 | Imazethapyr | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 469 | Metsulfuron Me | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 470 | Primisulfuron-methyl | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 471 | Prosulfuron | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 472 | Rimsulfuron | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 473 | Sulfometuron-Methyl | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |
| 474 | Triasulfuron | ug/l | Total | Actual | | | | | SU-IMI/LCMS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|---|--------|--------|-----------|--------------|---------|
| UHL3 | Nutrients | Sample | Water | | | | N |
| Description | | Parameters analyzed as part of the University Hygienic Laboratory standard nutrient scan. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 019 | BOD, carbonaceous | mg/l | Total | Actual | | | 5 Day | | 5210-B | |
| 020 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 021 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 022 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 023 | Phosphorus, orthophosphate as P | mg/l | Filterable | Actual | | | | | 365.1 | |
| 024 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| 273 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| 274 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 300(A) | |
| 275 | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |
| 276 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 277 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 287 | BOD, carbonaceous | mg/l | Total | Actual | | | 20 Day | | 5210-B | |
| 290 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 291 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.2 | |
| 292 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Calculated | | | | | 353.2 | |
| 392 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 4500-P-E | |
| 393 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 429 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.2 | |
| 479 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 405.1 | |
| 481 | Carbon, inorganic | mg/l | Dissolved | Actual | | | | | 415.1 | |
| 482 | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.1 | |
| 484 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| 485 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | APHA 8010F | |
| 486 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| UHL4 | Inorganic Chemistry | Sample | Water | | | | N |

Description The standard inorganic chemistry parameters analyzed by University Hygienic Laboratory as part of the ambient monitoring program

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 012 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 013 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 025 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| 026 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 027 | Silica | mg/l | Total | Actual | | | | | 370.1 | |
| 028 | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | |
| 029 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 13765 | |
| 030 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| 271 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 272 | Bromide | mg/l | Total | Actual | | | | | 300(A) | |
| 278 | Solids, Total Suspended (TSS) | mg/l | Volatile | Actual | | | | | 160.1 | |
| 279 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| 304 | Solids, Fixed Suspended | mg/l | Total | Calculated | | | | | 160.4 | |
| 368 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 379 | Silica | mg/l | Total | Actual | | | | | 4500-SI(D) | |
| 428 | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.2 | |
| 430 | pH | None | Total | Actual | | | | | 4500-H | |
| 431 | Perchlorate | ug/l | Total | Actual | | | | | 314 | |
| 459 | pH | None | Total | Actual | | | | | 150.1 | |
| 487 | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| UHL5 | Bacteria | Sample | Water | | | | N |

Description The standard bacteria analyses performed by University Hygienic Laboratory.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 031 | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 032 | Escherichia coli | #/100ml | | Actual | | | | | APHA 9222 G | |
| 033 | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| 293 | Total Coliform | MPN | Total | Estimated | | | | | 9221-B | |
| 295 | Fecal Coliform | MPN | Total | Estimated | | | | | 9221-E | |
| 391 | Escherichia coli | cfu/100ml | Total | Actual | | | | | 1603 | |
| 433 | Escherichia coli | cfu/100ml | Total | Actual | | | | | 9213-D | |
| 483 | Escherichia coli | MPN/100ml | Total | Actual | | | | | 9221-F | |
| P031 | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| P032 | Escherichia coli | #/100ml | | Actual | | | | | | |
| P033 | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| UHL6 | Chlorophyll | Sample | Water | | | | N |

Description The standard chlorophyll analyses performed by University Hygienic Laboratory

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 034 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| 035 | Chlorophyll-b | ug/l | Total | Actual | | | | | 10200-H | |
| 036 | Chlorophyll-c | ug/l | Total | Actual | | | | | 10200-H | |
| 037 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| 038 | Pheophytin-a | ug/l | Total | Actual | | | | | 10200-H | |
| 303 | Chlorophyll a, free of pheophytin | ug/l | Total | Actual | | | | | 445 | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| UHL7 | Metals | Sample | Water | | | | N |

Description This is the standard metal analyses performed by University Hygienic Laboratory.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 040 | Cyanide | mg/l | Total | Actual | | | | | 335.2 | |
| 041 | Cadmium | mg/l | Total | Actual | | | | | 3113-B | |
| 042 | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 043 | Copper | mg/l | Total | Actual | | | | | 200.7(W) | |
| 044 | Lead | mg/l | Total | Actual | | | | | 3113-B | |
| 045 | Mercury | mg/l | Total | Actual | | | | | 245.1 | |
| 046 | Antimony | mg/l | Total | Actual | | | | | 3113-B | |
| 047 | Arsenic | mg/l | Total | Actual | | | | | 3113-B | |
| 048 | Beryllium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 049 | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| 050 | Selenium | mg/l | Total | Actual | | | | | 3113-B | |
| 051 | Silver | mg/l | Total | Actual | | | | | 3113-B | |
| 052 | Thallium | mg/l | Total | Actual | | | | | 279.2 | |
| 053 | Zinc | mg/l | Total | Actual | | | | | 200.7(W) | |
| 344 | Aluminum | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 345 | Antimony | mg/l | Total | Actual | | | | | 200.8(W) | |
| 346 | Arsenic | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 347 | Barium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 348 | Beryllium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 349 | Boron | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 350 | Cadmium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 351 | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 352 | Chromium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 353 | Copper | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 354 | Iron | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 355 | Lead | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 356 | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 357 | Manganese | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 358 | Mercury | mg/l | Dissolved | Actual | | | | | 245.2 | |
| 359 | Nickel | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 360 | Potassium | mg/l | Dissolved | Actual | | | | | | |
| 361 | Selenium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 362 | Silver | mg/l | Dissolved | Actual | | | | | 200.9 | |
| 363 | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 364 | Strontium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 365 | Thallium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 366 | Zinc | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 399 | Cyanide | mg/l | Total | Actual | | | | | 4500-CN(E) | |
| 400 | Cadmium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 401 | Chromium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 402 | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| 403 | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| 404 | Mercury | mg/l | Total | Actual | | | | | 245.2 | |
| 405 | Antimony | mg/l | Total | Actual | | | | | 200.8(W) | |
| 406 | Arsenic | mg/l | Total | Actual | | | | | 200.8(W) | |
| 407 | Beryllium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 408 | Nickel | mg/l | Total | Actual | | | | | 200.8(W) | |
| 409 | Selenium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 410 | Silver | mg/l | Total | Actual | | | | | 200.8(W) | |
| 411 | Thallium | mg/l | Total | Actual | | | | | 200.8(W) | |
| 412 | Zinc | mg/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 448 | Aluminum | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 449 | Barium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 450 | Chromium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 451 | Copper | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 452 | Manganese | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 453 | Mercury | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 454 | Mercury | mg/l | Dissolved | Actual | | | | | 245.1 | |
| 455 | Nickel | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| 456 | Silver | mg/l | Dissolved | Actual | | | | | 3113-B | |
| 457 | Strontium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 458 | Zinc | mg/l | Dissolved | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| UHL8 | SemiVolatiles | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 100 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | UHL8270 | |
| 101 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | UHL8270 | |
| 102 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | UHL8270 | |
| 103 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | UHL8270 | |
| 104 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | UHL8270 | |
| 105 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | UHL8270 | |
| 106 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | UHL8270 | |
| 107 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | UHL8270 | |
| 108 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | UHL8270 | |
| 109 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | UHL8270 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 110 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | UHL8270 | |
| 111 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | UHL8270 | |
| 112 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | UHL8270 | |
| 113 | Chlorophenol-2 | ug/l | Total | Actual | | | | | UHL8270 | |
| 114 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | UHL8270 | |
| 115 | Cresol, o- | ug/l | Total | Actual | | | | | UHL8270 | |
| 116 | Nitroaniline, 2- | ug/l | Total | Actual | | | | | UHL8270 | |
| 117 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | UHL8270 | |
| 118 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | UHL8270 | |
| 119 | m-Nitroaniline | ug/l | Total | Actual | | | | | UHL8270 | |
| 120 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | UHL8270 | |
| 121 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | UHL8270 | |
| 122 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | UHL8270 | |
| 123 | Chloroaniline, 4- | ug/l | Total | Actual | | | | | UHL8270 | |
| 124 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | UHL8270 | |
| 125 | Cresol, p- | ug/l | Total | Actual | | | | | UHL8270 | |
| 126 | p-Nitroaniline | ug/l | Total | Actual | | | | | UHL8270 | |
| 127 | p-Nitrophenol | ug/l | Total | Actual | | | | | UHL8270 | |
| 128 | Acenaphthene | ug/l | Total | Actual | | | | | UHL8270 | |
| 129 | Acenaphthylene | ug/l | Total | Actual | | | | | UHL8270 | |
| 130 | Anthracene | ug/l | Total | Actual | | | | | UHL8270 | |
| 131 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | UHL8270 | |
| 132 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | UHL8270 | |
| 133 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | UHL8270 | |
| 134 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | UHL8270 | |
| 135 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | UHL8270 | |
| 136 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | UHL8270 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 137 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | UHL8270 | |
| 138 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | UHL8270 | |
| 139 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | UHL8270 | |
| 140 | Carbazole | ug/l | Total | Actual | | | | | UHL8270 | |
| 141 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | UHL8270 | |
| 142 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | UHL8270 | |
| 143 | Dibenzofuran | ug/l | Total | Actual | | | | | UHL8270 | |
| 144 | Diethyl phthalate | ug/l | Total | Actual | | | | | UHL8270 | |
| 145 | Dibutyl phthalate | ug/l | Total | Actual | | | | | UHL8270 | |
| 146 | Dimethyl phthalate | ug/l | Total | Actual | | | | | UHL8270 | |
| 147 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | UHL8270 | |
| 149 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | UHL8270 | |
| 150 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | UHL8270 | |
| 151 | Hexachlorobenzene | ug/l | Total | Actual | | | | | UHL8270 | |
| 152 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | UHL8270 | |
| 153 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | UHL8270 | |
| 154 | Hexachloroethane | ug/l | Total | Actual | | | | | UHL8270 | |
| 155 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | UHL8270 | |
| 156 | Isophorone | ug/l | Total | Actual | | | | | UHL8270 | |
| 157 | Naphthalene | ug/l | Total | Actual | | | | | UHL8270 | |
| 158 | nitro-Benzene | ug/l | Total | Actual | | | | | UHL8270 | |
| 159 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | UHL8270 | |
| 160 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | UHL8270 | |
| 161 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | UHL8270 | |
| 162 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | UHL8270 | |
| 163 | Phenol | ug/l | Total | Actual | | | | | UHL8270 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 164 | Pyrene | ug/l | Total | Actual | | | | | UHL8270 | |
| 289 | Toluene | ug/l | Total | Actual | | | | | 524.2 | |
| 296 | Hydrocarbons, Petroleum (Unspecified Mix) | ug/l | Total Recovrble | Actual | | | | | UHL OA-2 | |
| 297 | Benzidine | ug/l | Total | Actual | | | | | 625 | |
| 298 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 524.2 | |
| 305 | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 306 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| 307 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 308 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 309 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| 310 | Dichloropropene, 1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| 311 | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | 524.2 | |
| 312 | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | 524.2 | |
| 313 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 314 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | 524.2 | |
| 315 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 524.2 | |
| 316 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 524.2 | |
| 317 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 318 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 319 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 320 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | 524.2 | |
| 321 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 322 | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | 524.2 | |
| 323 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 324 | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 325 | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 326 | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | 524.2 | |
| 327 | Benzene | ug/l | Total | Actual | | | | | 524.2 | |
| 328 | Monobromobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 329 | Chlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| 330 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| 331 | Bromoform | ug/l | Total | Actual | | | | | 524.2 | |
| 332 | Methyl bromide | ug/l | Total | Actual | | | | | 524.2 | |
| 333 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 524.2 | |
| 334 | Chlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 335 | Chloroethane | ug/l | Total | Actual | | | | | 524.2 | |
| 336 | Chloroform | ug/l | Total | Actual | | | | | 524.2 | |
| 337 | Methyl chloride | ug/l | Total | Actual | | | | | 524.2 | |
| 338 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | 524.2 | |
| 339 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | 524.2 | |
| 340 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 524.2 | |
| 341 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| 342 | Dibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| 343 | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | 524.2 | |
| 367 | Ethylbenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 369 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 524.2 | |
| 370 | Cumene | ug/l | Total | Actual | | | | | 524.2 | |
| 371 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 372 | Dichloromethane | ug/l | Total | Actual | | | | | 524.2 | |
| 373 | Butyl benzene | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 374 | Propylbenzene, n- | ug/l | Total | Actual | | | | | 524.2 | |
| 375 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 376 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| 377 | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | 524.2 | |
| 378 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | 524.2 | |
| 380 | Styrene | ug/l | Total | Actual | | | | | 524.2 | |
| 381 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | 524.2 | |
| 382 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| 383 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| 384 | Dichloropropene, 1,3- | ug/l | Total | Actual | | | | | 524.2 | |
| 385 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 386 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| 387 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 524.2 | |
| 388 | Trichloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| 389 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 524.2 | |
| 390 | Vinyl chloride | ug/l | Total | Actual | | | | | 524.2 | |
| 418 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | EPA 515.3 | |
| 432 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | 524.2 | |
| 434 | Ethylene glycol | mg/l | Total | Actual | | | | | GLYCOL LC/MS | |
| 435 | Propylene glycol | mg/l | Total | Actual | | | | | GLYCOL LC/MS | |
| 446 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| 461 | Naphthalene | ug/l | Total | Actual | | | | | 524.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| UHL9 | PCBs | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 200 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |
| 201 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |
| 202 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |
| 203 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |
| 204 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |
| 205 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |
| 206 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 8082(W) | 3510-B |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INORG | all chemistry | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ACETOCHLR | Acetochlor | ug/l | Total | Actual | | | | | 608 | |
| ALACHLOR | Alachlor | ug/l | Total | Actual | | | | | 608 | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| ALKALINT | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| ALKALINTY | Acid Neutralizing Capacity (ANC) | mg/l CaCO3 | Dissolved | Actual | | | | | 310.1 | |
| ALUMINUM | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| ANTIMONY | Antimony | mg/l | Total | Actual | | | | | 200.7(W) | |
| ARSENIC | Arsenic | mg/l | Total | Actual | | | | | 200.8(W) | |
| ATRAZIN | Atrazine | ug/l | Total | Actual | | | | | 608 | |
| A_BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| BARIUM | Barium | mg/l | Total | Actual | | | | | 200.8(W) | |
| BERYLLIUM | Beryllium | mg/l | Total | Actual | | | | | 200.7(W) | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| BORON | Boron | mg/l | Total | Actual | | | | | 200.7(W) | |
| BROMACIL | Bromacil | ug/l | Total | Actual | | | | | 608 | |
| BROMIDE | Bromide | mg/l | Total | Actual | | | | | 300(A) | |
| BUTACHLOR | Butachlor | ug/l | Total | Actual | | | | | 608 | |
| B_BHC | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| CADMIUM | Cadmium | mg/l | Total | Actual | | | | | 200.8(W) | |
| CALCIUM | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| CARBOFURN | Carbofuran | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORDANE | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| CHLOROPH | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| CHROMIUM | Chromium | mg/l | Total | Actual | | | | | 200.8(W) | |
| COBALT | Cobalt | mg/l | Total | Actual | | | | | 200.7(W) | |
| COPPER | Copper | mg/l | Total | Actual | | | | | 200.8(W) | |
| CYANAZINE | Cyanazine | ug/l | Total | Actual | | | | | 608 | |
| DACTHAL | Dacthal | ug/l | Total | Actual | | | | | 608 | |
| DEEATRAZN | Desethyl atrazine | ug/l | Total | Actual | | | | | 608 | |
| DIAZINON | Diazinon | ug/l | Total | Actual | | | | | 608 | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| DISATRAZN | Desisopropyl atrazine | ug/l | Total | Actual | | | | | 608 | |
| DISOXY | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 360.1 | |
| DURSBAN | Chlorpyrifos-methyl | ug/l | Total | Actual | | | | | 608 | |
| D_BHC | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| ECOLI | Escherichia coli | #/100ml | | Actual | | | | | 1104 | |
| ENDOSULF1 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| ENDOSULF2 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| ENDOSULFS | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | 608 | |
| FECCOLI | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| FECSTRP | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | 9230-C | |
| FLUORIDE | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| HCCP | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 608 | |
| HEPTCHLR | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| HEPTCHLRB | Hexachlorobenzene | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HEPTCHLRE | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| IRON | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| KJELDAHL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| LEAD | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| LINDANE | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| MAGNESIUM | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| MANGANESE | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| MERCURY | Mercury | mg/l | Total | Actual | | | | | 245.1 | |
| METOCLR | Metolachlor | ug/l | Total | Actual | | | | | 608 | |
| MOLYBDENM | Molybdenum | mg/l | Total | Actual | | | | | 200.7(W) | |
| MTHOXYCHL | Methoxychlor | ug/l | Total | Actual | | | | | 608 | |
| MTRBUZI | Metribuzin | ug/l | Total | Actual | | | | | 608 | |
| NICKEL | Nickel | mg/l | Total | Actual | | | | | 200.8(W) | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 300(A) | |
| NO2_NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| ORTH_PHOS | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 300(A) | |
| PCB_1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| PCB_1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| PCB_1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| PCB_1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| PCB_1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| PCB_1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| PCB_1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| PCP | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 608 | |
| PHFIELD | pH | None | Total | Actual | | | | | 150.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-------------------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| PHLAB | pH | None | Total | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| PHOSPHU | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| PICLORAM | Picloram | ug/l | Total | Actual | | | | | 615 | |
| POTTASIU | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| PP_DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 608 | |
| PP_DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| PP_DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| PROMETON | Prometone | ug/l | Total | Actual | | | | | 608 | |
| PROPACHLR | Propachlor | ug/l | Total | Actual | | | | | 608 | |
| PROPAZINE | Propazine | ug/l | Total | Actual | | | | | 608 | |
| SELENIUM | Selenium | mg/l | Total | Actual | | | | | 200.8(W) | |
| SILICA | Silica | mg/l | Total | Actual | | | | | 200.7(W) | |
| SILVER | Silver | mg/l | Total | Actual | | | | | 200.8(W) | |
| SIMAZINE | Simazine | ug/l | Total | Actual | | | | | 608 | |
| SODIUM | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| SPEC_COND | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |
| STRONTIUM | Strontium | mg/l | Total | Actual | | | | | 200.7(W) | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | 1751-8 | |
| TEMP_CENT | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| THALLIUM | Thallium | mg/l | Total | Actual | | | | | 200.7(W) | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TOTHARD | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 2340 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TOXAPHENE | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| VANADIUM | Vanadium | mg/l | Total | Actual | | | | | 200.7(W) | |
| X245T | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 615 | |
| X245TP | 2,4,5-T, Trichlorophenoxypropionic acid | ug/l | Total | Actual | | | | | 615 | |
| X24D | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 615 | |
| ZINC | Zinc | mg/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| ORG HX | CHLORINATED ACID PESTICIDES | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------|--------------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2,4,5-T | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 615 | |
| | Acceptable Range | 0.40000 - 2,000.00000 ug/l | | | | | | | | |
| 2,4-D AS ACID | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 615 | |
| | Acceptable Range | 0.80000 - 2,000.00000 ug/l | | | | | | | | |
| PICLORAM (TORDON) | Picloram | ug/l | Total | Actual | | | | | 615 | |
| | Acceptable Range | 0.80000 - 2,000.00000 ug/l | | | | | | | | |
| SILVEX AS ACID | Silvex | ug/l | Total | Actual | | | | | 615 | |
| | Acceptable Range | 0.40000 - 2,000.00000 ug/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------------------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ORG PX | PESTICIDES AND PCB'S | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ACETOCHLOR | Acetochlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 1,000.00000 ug/l | | | | | | | | |
| ALACHLOR | Alachlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 1,000.00000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02500 - 2,000.00000 ug/l | | | | | | | | |
| ATRAZINE | Atrazine | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.30000 - 2,000.00000 ug/l | | | | | | | | |
| BHC-ALPHA | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02500 - 2,000.00000 ug/l | | | | | | | | |
| BHC-BETA | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.05000 - 2,000.00000 ug/l | | | | | | | | |
| BHC-DELTA | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.05000 - 2,000.00000 ug/l | | | | | | | | |
| BHC-GAMMA (LINDANE) | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02500 - 2,000.00000 ug/l | | | | | | | | |
| BUTACHLOR | Butachlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| CARBOFURAN (FURADAN) | Carbofuran | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| CHLORDANE | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.20000 - 2,000.00000 ug/l | | | | | | | | |
| CYANAZINE (BLADDEX) | Cyanazine | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| DCPA (DACTHAL) | Dacthal | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.05000 - 2,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DESETHYL ATRAZINE | Desethyl atrazine | ug/l | Total | Actual | | | | | 608 | |
| DESIOPROPYL ATRAZIN | Desisopropyl atrazine | ug/l | Total | Actual | | | | | 608 | |
| DIAZINON | Diazinon | ug/l | Total | Actual | | | | | 608 | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.05000 - 2,000.00000 ug/l | | | | | | | | |
| DURSBAN CHLOROPYRIFO | Chloropyrifos | ug/l | Total | Actual | | | | | 608 | |
| ENDOSULFAN I | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02000 - 2,000.00000 ug/l | | | | | | | | |
| ENDOSULFAN II | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02000 - 2,000.00000 ug/l | | | | | | | | |
| ENDOSULFAN SULFATE | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 2,000.00000 ug/l | | | | | | | | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 2,000.00000 ug/l | | | | | | | | |
| HEPTACHLOR | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02000 - 2,000.00000 ug/l | | | | | | | | |
| HEPTACHLOR EPOXIDE | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02000 - 2,000.00000 ug/l | | | | | | | | |
| HEXACHLOROBE NZENE | Hexachlorobenzene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 2,000.00000 ug/l | | | | | | | | |
| HEXACHLOROXY CLOPENT | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 2,000.00000 ug/l | | | | | | | | |
| METHOXYCHLOR | Methoxychlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.20000 - 2,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------------|-------------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METOLACHLOR (DUAL) | Metolachlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.25000 - 2,000.00000 ug/l | | | | | | | | |
| METRIBUZIN (SENCOR) | Metribuzin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 2,000.00000 ug/l | | | | | | | | |
| P,P'-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.04000 - 2,000.00000 ug/l | | | | | | | | |
| P,P'-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.02000 - 2,000.00000 ug/l | | | | | | | | |
| P,P'-DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.10000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 1.00000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 123 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| PCB- 1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.50000 - 2,000.00000 ug/l | | | | | | | | |
| PROMETONE | Prometone | ug/l | Total | Actual | | | | | 608 | |
| PROPACHLOR (RAMROD) | Propachlor | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.25000 - 2,000.00000 ug/l | | | | | | | | |
| PROPAZINE (MILOGARD) | Propazine | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.30000 - 2,000.00000 ug/l | | | | | | | | |
| SIMAZINE | Simazine | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.30000 - 2,000.00000 ug/l | | | | | | | | |
| TOXAPHENE | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 2.00000 - 2,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| RAD | RADIOCHEMISTRY | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| GROSS ALPHA | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| GROSS BETA | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | 900 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|----------------------------|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AWMV | AWM VARIABLES | Sample | Water | | | | N | | | |
| Citations | | KENTUCKY DIVISION OF WATER, WATER QUALITY BRANCH, 2002, KENTUCKY AMBIENT/WATERSHED WATER QUALITY MONITORING STANDARD OPERATING PRODEDURE MANUAL, KENTUCKY DIVISION OF WATER, 1 | | | | | | | | |
| Description | | Values less than the reporting limit are assigned a value half the reporting limit (following Ward and Sanders, Water Quality Design class, CSU, 1990) | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 10 | Temperature, water | deg C | | Actual | | | | | SM2550 B | |
| 100-01-6 | p-Nitroaniline | ug/l | Total | Actual | | | | | 8270C(S) | |
| 100-02-7 | p-Nitrophenol | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 100-51-6 | Benzyl alcohol | ug/l | Total | Actual | | | | | 8270C(S) | |
| 100-75-4 | Nitrosopiperidine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1002 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| | | | Recovrble | | | | | | | |
| | Acceptable Range | 0.50000 - 1,000.00000 ug/l | | | | | | | | |
| 1007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | | | Recovrble | | | | | | | |
| | Acceptable Range | 0.20000 - 1,000.00000 ug/l | | | | | | | | |
| 101-21-3 | Chlorpropham | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 101-55-3 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1014-70-6 | Simetryn | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1024-57-3 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 1027 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | | | Recovrble | | | | | | | |
| | Acceptable Range | 0.40000 - 1,000.00000 ug/l | | | | | | | | |
| 103-23-1 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1031-07-8 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 8081A(SWB) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|------------------------------|-----------------------------|----------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 1034 | Chromium | ug/l | Total Recoverable | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.20000 - 1,000.00000 ug/l | | | | | | | | |
| 104098-48-8 | Imazapic | ug/l | Total | Actual | | | | | 555 | |
| 1042 | Copper | ug/l | Total Recoverable | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.50000 - 1,000.00000 ug/l | | | | | | | | |
| 1045 | Iron | ug/l | Total Recoverable | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.50000 - 10,000.00000 ug/l | | | | | | | | |
| 105-67-9 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1051 | Lead | ug/l | Total Recoverable | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 1.00000 - 1,000.00000 ug/l | | | | | | | | |
| 1055 | Manganese | ug/l | Total Recoverable | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.50000 - 1,000.00000 ug/l | | | | | | | | |
| 10595-95-6 | Nitrosomethylethylamine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 106-46-7 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 106-47-8 | Chloroaniline, 4- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1067 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 1077 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 108-60-1 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | 8270C(S) | |
| 108-95-2 | Phenol | ug/l | Total | Actual | | | | | 8270C(S) | |
| 109-06-8 | Picoline, 2- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1092 | Zinc | ug/l | Total Recoverable | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 2.00000 - 1,000.00000 ug/l | | | | | | | | |
| 110-86-1 | Pyridine | ug/l | Total | Actual | | | | | 8270C(S) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1105 | Aluminum | ug/l | Total Recovrble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 3.00000 - 10,000.00000 ug/l | | | | | | | | |
| 11096-82-5 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 11097-69-1 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 111-44-4 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 8270C(S) | |
| 111-91-1 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 8270C(S) | |
| 11100-14-4 | Pcb-aroclor 1268 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 11104-28-2 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 1114-71-2 | Pebulate | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 11141-16-5 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 113-48-4 | MGK-264, Octyl bicycloheptene dicarboximide | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1134-23-2 | Cycloate | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 114-26-1 | Propoxur | ug/l | Total | Actual | | | | | 531.1 | |
| 1147 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 116-06-3 | Aldicarb | ug/l | Total | Actual | | | | | 531.1 | |
| 117-81-7 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 117-84-0 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 118-74-1 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 119-93-7 | Tolidine, o- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 120-12-7 | Anthracene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 120-36-5 | Dichlorprop | ug/l | Total | Actual | | | | | 555 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 120-58-1 | Isosafrole | ug/l | Total | Actual | | | | | 8270C(S) | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 120-83-2 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 8270C(S) | |
| 121-14-2 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.10100 - 9,999.00000 ug/l | | | | | | | | |
| 121-75-5 | Malathion | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 122-34-9 | Simazine | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 12672-29-6 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 12674-11-2 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 12789-03-6 | Chlordane (technical) | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 129-00-0 | Pyrene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 130-15-4 | Naphthalenedione, 1,4- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 13071-79-9 | Terbufos | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 131-11-3 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 13194-48-4 | Ethoprop | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 132-64-9 | Dibenzofuran | ug/l | Total | Actual | | | | | 8270C(S) | |
| 133-90-4 | Chloramben | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 1336-36-3 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 134-32-7 | Naphthylamine, alpha- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 139-40-2 | Propazine | ug/l | Total | Actual | | | | | 8270C(S) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 143-50-0 | Kepone | ug/l | Total | Actual | | | | | 8270C(S) | |
| 150-50-5 | Merphos | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.40400 - 9,999.00000 ug/l | | | | | | | | |
| 15299-99-7 | Napropamide | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1563-66-2 | Carbofuran | ug/l | Total | Actual | | | | | 531.1 | |
| 1582-09-8 | Trifluralin | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 15862-07-4 | PCB-029 | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 15972-60-8 | Alachlor | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 160.3 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| 1610-17-9 | Atraton | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1610-18-0 | Prometone | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1646-87-3 | Aldicarb sulfoxide | ug/l | Total | Actual | | | | | 531.1 | |
| 1646-88-4 | Aldicarb sulfone | ug/l | Total | Actual | | | | | 531.1 | |
| 16605-91-7 | PCB-005 | ug/l | Total | Actual | | | | | 8270C(S) | |
| 16655-82-6 | Hydroxycarbofuran, 3- | ug/l | Total | Actual | | | | | 531.1 | |
| 16752-77-5 | Methomyl | ug/l | Total | Actual | | | | | 531.1 | |
| 1861-32-1 | Dacthal | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1861-40-1 | Benefin | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 1888-71-7 | Hexachloropropylene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1897-45-6 | Dacthal | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 191-24-2 | Benzo[g,h,i]perylene Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1912-24-9 | Atrazine Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 1918-00-9 | Dicamba Acceptable Range | ug/l | Total | Actual | | | | | 555 | |
| 1918-16-7 | Propachlor Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 1929-77-7 | Vernolate Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 19666-30-9 | Oxadiazon | ug/l | Total | Actual | | | | | 8270C(S) | |
| 2008-41-5 | Butylate Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 2032-65-7 | Mercaptodimethur | ug/l | Total | Actual | | | | | 531.1 | |
| 204 | Light attenuation, depth at 99% | m | | Actual | | | | | EUPHOTIC ZONE | |
| 205 | Depth, bottom | m | | Actual | | | | | MAXIMUM DEPTH | |
| 205-99-2 | Benzo[b]fluoranthene Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 2051-60-7 | PCB-001 Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 206-44-0 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | 8270C(S) | |
| 207-08-9 | Benzo[k]fluoranthene Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 208-96-8 | Acenaphthylene Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 21087-64-9 | Metribuzin | ug/l | Total | Actual | | | | | 8270C(S) | |

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|------------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 21725-46-2 | Cyanazine | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 218-01-9 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 2212-67-1 | Molinate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 22224-92-6 | Fenamiphos | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 22248-79-9 | Tetrachlorvinphos | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 2303-16-4 | Diallate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 23135-22-0 | Oxamyl | ug/l | Total | Actual | | | | | 531.1 | |
| 23184-66-9 | Butachlor | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 2385-85-5 | Mirex | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 23950-58-5 | Pronamide | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 2437-79-8 | PCB-047 | ug/l | Total | Actual | | | | | 8270C(S) | |
| 25057-89-0 | Bentazone | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 25321-14-6 | Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 2593-15-9 | Etridiazole | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 26399-36-0 | Profluralin | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 2675-77-6 | Chloroneb | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 27304-13-8 | Oxychlorane | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |

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|------------|--|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 27314-13-2 | Norflurazon Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 2921-88-2 | Chloropyrifos Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 298-00-0 | Methyl parathion Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| | | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 298-02-2 | Phorate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 298-04-4 | Disulfoton | ug/l | Total | Actual | | | | | 8270C(S) | |
| 300 | Dissolved oxygen (DO) Acceptable Range | mg/l | | Actual | | | | | SM4500-O G | |
| | | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 30560-19-1 | Orthene Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| | | 0.20200 - 9,999.00000 ug/l | | | | | | | | |
| 309-00-2 | Aldrin Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 314-40-9 | Bromacil Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| | | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 31616 | Fecal Coliform Acceptable Range | cfu/100ml | | Actual | | | | | SM9222 D | |
| | | 1.00000 - 64,000.00000 cfu/100ml | | | | | | | | |
| 319-84-6 | BHC-alpha Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 319-85-7 | BHC-beta Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 319-86-8 | BHC-delta Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 32209 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | SM 1002 G.2 | |
| 32357-46-3 | 2,4-DB 2-butoxyethyl ester | ug/l | Total | Actual | | | | | 555 | |
| 33213-65-9 | Endosulfan, beta- Acceptable Range | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 333-41-5 | Diazinon | ug/l | Total | Actual | | | | | 8270C(S) | |

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|------------|---|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 33820-53-0 | Isopropalin | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 34014-18-1 | Tebuthiuron | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.10100 - 9,999.00000 ug/l | | | | | | | | |
| 3424-82-6 | DDE, o,p'- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 34256-82-1 | Acetochlor | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 3689-24-5 | Tetraethyl dithiopyrophosphate (TEDP) | ug/l | Total | Actual | | | | | 8270C(S) | |
| 37324-23-5 | Pcb-aroclor 1262 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 3734-48-3 | Chlordene | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 39765-80-5 | Nonachlor, trans- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 400 | pH | None | | Actual | | | | | SM4500-H+ B | |
| | Acceptable Range | 1.00000 - 10.00000 None | | | | | | | | |
| 40186-71-8 | Pcb-201 | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 40487-42-1 | Pendimethalin | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 1.00000 - 1,000.00000 mg/l | | | | | | | | |
| 41814-78-2 | Tricyclazole | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.10100 - 9,999.00000 ug/l | | | | | | | | |
| 42874-03-3 | Oxyfluorofen | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 43121-43-3 | Triadimefon (Green Light Fung-Away fungicide) | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |

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|------------|------------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 435 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| 465-73-6 | Isodrin | ug/l | Total | Actual | | | | | 8270C(S) | |
| 50-29-3 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 50-32-8 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 50594-66-6 | Acifluorfen | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 51-28-5 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 51-36-5 | Dichlorobenzoic acid, 3,5- | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 510-15-6 | Chlorobenzilate | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 5103-71-9 | Chlordane, cis | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 5103-73-1 | Nonachlor, cis- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 5103-74-2 | Chlordane, trans | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 51218-45-2 | Metolachlor | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 51235-04-2 | Hexazinone | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 51877-74-8 | Permethrin, (-)-trans- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 52-85-7 | Famphur | ug/l | Total | Actual | | | | | 8270C(S) | |
| 5234-68-4 | Carboxin | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 52645-53-1 | Permethrin | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 52663-71-5 | Pcb-171 | ug/l | Total | Actual | | | | | 8270C(S) | |

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|------------|----------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 53-19-0 | DDD, o,p'- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 53-70-3 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 53-96-3 | 2-Acetylaminofluorene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 530 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | 160.2_M | |
| | Acceptable Range | 1.00000 - 1,000.00000 mg/l | | | | | | | | |
| 534-52-1 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 8270C(S) | |
| 53469-21-9 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 53494-70-5 | Endrin ketone | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 541-73-1 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 54774-45-7 | Permethrin, (-)-cis- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 55-18-5 | Nitrosodiethylamine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 56-38-2 | Parathion | ug/l | Total | Actual | | | | | 8270C(S) | |
| 56-49-5 | Methylcholanthrene, 3- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 56-55-3 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 57-97-6 | Dimethylbenz(a)anthracene, 7,12- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 58-08-2 | Caffeine | ug/l | Total | Actual | | | | | | |
| 58-89-9 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 58-90-2 | Tetrachlorophenol, 2,3,4,6- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 59-50-7 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 8270C(S) | |
| 59-89-2 | Nitrosomorpholine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 5902-51-2 | Terbacil | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|--------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 59756-60-4 | Fluridone | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.20200 - 9,999.00000 ug/l | | | | | | | | |
| 60-11-7 | Dimethylaminoazobenzene, 4- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 60-51-5 | Dimethoate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 60-57-1 | Dieldrin | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 60145-22-4 | Pcb-154 | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 60168-88-9 | Fenarimol | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 60233-25-2 | PCB-098 | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 606-20-2 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.10100 - 9,999.00000 ug/l | | | | | | | | |
| 608-93-5 | Pentachlorobenzene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.05000 - 100.00000 mg/l | | | | | | | | |
| 6190-65-4 | Desethyl atrazine | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 62-44-2 | Phenacetin | ug/l | Total | Actual | | | | | 8270C(S) | |
| 62-50-0 | Ethyl methanesulfonate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 62-53-3 | Aniline | ug/l | Total | Actual | | | | | 8270C(S) | |
| 62-73-7 | Dichlorovos (DDVP) | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 62-75-9 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 621-64-7 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 8270C(S) | |
| 625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.05000 - 100.00000 mg/l | | | | | | | | |
| 63-25-2 | Sevin | ug/l | Total | Actual | | | | | 531.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2_M | |
| | Acceptable Range | 0.00500 - 100.00000 mg/l | | | | | | | | |
| 65-85-0 | Benzoic acid | ug/l | Total | Actual | | | | | 8270C(S) | |
| 66-27-3 | Methyl methanesulfonate | ug/l | Total | Actual | | | | | 8270C(S) | |
| 665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00500 - 100.00000 mg/l | | | | | | | | |
| 666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 67-72-1 | Hexachloroethane | ug/l | Total | Actual | | | | | 8270C(S) | |
| 671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | SM5310C | |
| | Acceptable Range | 0.25000 - 1,000.00000 mg/l | | | | | | | | |
| 7005-72-3 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270C(S) | |
| 71900 | Mercury | ng/l | Total | Actual | | | | | 1631 | |
| | Acceptable Range | 0.20000 - 5,000,000.00000 ng/l | | | | | | | | |
| 72-20-8 | Endrin | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 72-43-5 | Methoxychlor | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 72-54-8 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 72-55-9 | DDE ***retired*** (use DDE, p,p') | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 7287-19-6 | Prometryn | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 74-54-8 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 7421-93-4 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 7439-98-7 | Molybdenum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 75-99-0 | Dichloropropionic acid, 2,2- ***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | 555 | |
| 759-94-4 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 76-01-7 | Pentachloroethane | ug/l | Total | Actual | | | | | 8270C(S) | |
| 76-44-8 | Heptachlor | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 7600-50-2 | 2,5-Dichloro-3-hydroxy-6- methoxybenzoic acid | ug/l | Total | Actual | | | | | 515.2 | |
| 77-47-4 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 7786-34-7 | Phosdrin | ug/l | Total | Actual | | | | | 8270C(S) | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI DISK | |
| 78-59-1 | Isophorone | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 789-02-6 | DDT,o,p'- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 8001-35-2 | Toxaphene | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 8017-34-3 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| 82-68-8 | Pentachloronitrobenzene (PCNB) | ug/l | Total | Actual | | | | | 8270C(S) | |
| 82078 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| | Acceptable Range | 1.00000 - 10,000.00000 NTU | | | | | | | | |
| 8260 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 8260B | |
| 83-32-9 | Acenaphthene | ug/l | Total | Actual | | | | | 8270C(S) | |

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|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 834-12-8 | Ametryne Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 84-66-2 | Diethyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 84-74-2 | Dibutyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 85-01-8 | Phenanthrenes, C1-C4 Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 85-68-7 | Butyl benzyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 86-30-6 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 8270C(S) | |
| 86-73-7 | Fluorenes, C1-C3 Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 87-65-0 | Dichlorophenol, 2,6- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 87-68-3 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 87-86-5 | Pentachlorophenol (PCP) Acceptable Range | ug/l | Total | Actual | | | | | 555 | |
| 88-06-2 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 8270C(S) | |
| 88-74-4 | Nitroaniline, 2- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 88-75-5 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 88-85-7 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) Acceptable Range | ug/l | Total | Actual | | | | | 555 | |
| 886-50-0 | Terbutryn Acceptable Range | ug/l | Total | Actual | | | | | 8270C(S) | |
| 900 | Hardness, Ca + Mg Acceptable Range | mg/l | Total | Actual | | | | | SM2340 B | |
| 91-20-3 | Naphthalene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 91-57-6 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | 8270C(S) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 91-58-7 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 8270C(S) | |
| 91-59-8 | Naphthylamine, beta- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 91-80-5 | Methapyrilene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 91-94-1 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 916 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.15000 - 1,000.00000 mg/l | | | | | | | | |
| 92-67-1 | Aminodiphenyl, 4- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 92-87-5 | Benzidine | ug/l | Total | Actual | | | | | 8270C(S) | |
| 924-16-3 | Nitrosodibutylamine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 927 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.50000 - 1,000.00000 mg/l | | | | | | | | |
| 929 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.10000 - 1,000.00000 mg/l | | | | | | | | |
| 93-65-2 | MCPP, Mecoprop | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 93-72-1 | Silvex | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 93-76-5 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 930-55-2 | Nitrosopyrrolidine, n- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 937 | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.15000 - 1,000.00000 mg/l | | | | | | | | |
| 94 | Specific conductance | uS/cm | | Actual | | | | | SM2510 B | |
| | Acceptable Range | 1.00000 - 10,000.00000 uS/cm | | | | | | | | |
| 94-59-7 | Safrole | ug/l | Total | Actual | | | | | 8270C(S) | |

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|----------|---|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 94-74-6 | MCPA, Methyl chlorophenoxy acetic acid | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 94-75-7 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 94-82-6 | 2,4-DB, Dichlorophenoxybutyric acid | ug/l | Total | Actual | | | | | 555 | |
| | Acceptable Range | 0.08000 - 9,999.00000 ug/l | | | | | | | | |
| 940 | Chloride | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 1,000.00000 mg/l | | | | | | | | |
| 944-22-9 | Fonofos | ug/l | Total | Actual | | | | | 8270C(S) | |
| 946 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.1 | |
| | Acceptable Range | 5.00000 - 1,000.00000 mg/l | | | | | | | | |
| 95-48-7 | Cresol, o- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 95-50-1 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 95-53-4 | Methylbenzenamine, 2- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 95-57-8 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 8270C(S) | |
| 95-95-4 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | 8270C(S) | |
| 950-35-6 | Phosphoric acid dimethyl 4-nitrophenyl ester | ug/l | Total | Actual | | | | | 8270C(S) | |
| 957-51-7 | Diphenamid | ug/l | Total | Actual | | | | | 8270C(S) | |
| | Acceptable Range | 0.04040 - 9,999.00000 ug/l | | | | | | | | |
| 959-98-8 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 8081A(SWB) | |
| | Acceptable Range | 0.01010 - 9,999.00000 ug/l | | | | | | | | |
| 98-86-2 | Acetophenone | ug/l | Total | Actual | | | | | 8270C(S) | |
| 98-95-3 | nitro-Benzene | ug/l | Total | Actual | | | | | 8270C(S) | |
| 99-09-2 | m-Nitroaniline | ug/l | Total | Actual | | | | | 8270C(S) | |
| 99-35-4 | Trinitrobenzol ***retired***(use 1,3,5-Trinitrobenzene) | ug/l | Total | Actual | | | | | 8270C(S) | |

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|-------------|-------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 99-55-8 | 5-Nitro-ortho-toluidine | ug/l | Total | Actual | | | | | 8270C(S) | |
| 99-65-0 | Dinitrobenzene, m- | ug/l | Total | Actual | | | | | 8270C(S) | |
| ANTIMONY | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| COBALT | Cobalt | ug/l | Total | Actual | | | | | 200.7(W) | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.1 | |
| ESCHERICHIA | Escherichia | #/100ml | | Actual | | | | | | |
| PICLORAM | Picloram | ug/l | Total | Actual | | | | | 555 | |
| STRONYIUM | Strontium | ug/l | Total | Actual | | | | | 200.7(W) | |

Characteristic Group Details

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21LABCH

Louisiana Department of Health and Hospitals

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| BEACH_WQ | Beach Water Quality Group | Field Msr/Obs | Water | | | | N |
| Citations | LA QAPP - Robert Wagner, PhD, 2003, Louisiana's Beach Program Quality Assurance Project Plan, Louisiana Department of Health and Hospitals, Office of Public Health, 1-35 | | | | | | |

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21MEBCH

State Planning Office (EPA Region 1)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|---|--------|--------|-----------|--------------|---------|
| WQF-001 | Water Borne Pathogens | Sample | Water | | | | N |
| WQF-002 | Salinity measurement | Field Msr/Obs | Water | | | | N |
| | Citations | USEPA, 1993, Volunteer Estuary Monitoring: A Methods Manual., USEPA, EPA 842/B-93-004 | | | | | |
| | Description | Measurement in field using temperature compensated refractometer | | | | | |
| WQF-003 | Water Temperature | Field Msr/Obs | Water | | | | N |
| | Citations | USEPA, 1993, Volunteer Estuary Monitoring: A Methods Manual., USEPA, EPA 842/B-93-004 | | | | | |
| | Description | Measurement of air and water temperature using La Motte armoured thermometer | | | | | |

Characteristic Group Details

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21MICH

Michigan Department of Environmental Quality

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| TEST | TEST | Sample | Water | | | | N |

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21MSWQ

MS. Dept. of Environmental Quality

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR_FLD | Fld Msr/Obs - AIR | Field Msr/Obs | Air | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00020 | Temperature, air | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | -40.00000 - 500.00000 deg C | | | | | | | | |
| 00040 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|------------|--------|-----------|--------------|---------|
| FSH_SMPL | Fish Tissue Samples | Sample | Biological | Tissue | | | N |

Description Include Shellfish here if we ever record it?

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01004 | Arsenic | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.18000 - 9,999.00000 ug/g | | | | | | | | |
| 01149 | Selenium | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.52000 - 9,999.00000 ug/g | | | | | | | | |
| 03875 | Chromium | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.05000 - 9,999.00000 ug/g | | | | | | | | |
| 03879 | Cadmium | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.05000 - 9,999.00000 ug/g | | | | | | | | |
| 03883 | Lead | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.22000 - 9,999.00000 ug/g | | | | | | | | |
| 03886 | Mercury | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.05000 - 9,999.00000 ug/g | | | | | | | | |
| 03891 | Zinc | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.87000 - 9,999.00000 ug/g | | | | | | | | |
| 03896 | Nickel | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.11000 - 9,999.00000 ug/g | | | | | | | | |

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21MSWQ

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 03900 | Copper | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.42000 - 9,999.00000 ug/g | | | | | | | | |
| 81658 | Barium | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.14000 - 99,999,999.00000 ug/g | | | | | | | | |
| 81660 | Iron | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.20000 - 9,999.00000 ug/g | | | | | | | | |
| 81663 | Tin | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.18000 - 9,999.00000 ug/g | | | | | | | | |
| 81666 | Aluminum | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 10.20000 - 9,999.00000 ug/g | | | | | | | | |
| 81742 | Silver | ug/g | Total | Actual | | Wet | | | MS200.7F | |
| | Acceptable Range | 0.10000 - 9,999.00000 ug/g | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| HAB_FLD | Fld Msr/Obs - HAB | Field Msr/Obs | | | | | Y |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|----------|--------|-----------|--------------|---------|
| SDM_SMPL | Sample - SDM | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01003 | Arsenic | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |
| 01008 | Barium | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |
| 01028 | Cadmium | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |
| 01029 | Chromium | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|----------------------------------|----------------------------|
| 01043 | Copper Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01052 | Lead Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01053 | Manganese Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01068 | Nickel Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01078 | Silver Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01093 | Zinc Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01098 | Antimony Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01103 | Tin Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01108 | Aluminum Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01148 | Selenium Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 01170 | Iron Acceptable Range | mg/kg | Total | Actual | | Dry | | | 200.7(S) | |
| 31662 | Phosphate Acceptable Range | mg/kg | Total | Actual | | Dry | | | | |
| | | | | | | | | | 0.10000 - 99,999,999.00000 mg/kg | |
| 34203 | Acenaphthylene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34208 | Acenaphthene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34233 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34245 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34323 | Chrysenes C1-C4 | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34354 | Endosulfan Sulfate | ug/kg | Total | Actual | | Dry | | | UNKNWN | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34379 | Fluoranthenes, C1-C4 Acceptable Range | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| | | 0.00000 - 9,999,999.00000 ug/kg | | | | | | | | |
| 34384 | Fluorenes, C1-C3 Acceptable Range | ug/kg | Total | Actual | | Dry | | | | |
| | | 0.00000 - 9,999,999.00000 ug/kg | | | | | | | | |
| 34406 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34445 | Naphthalene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34464 | Phenanthrenes, C1-C4 Acceptable Range | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| | | 0.00000 - 9,999.00000 ug/kg | | | | | | | | |
| 34472 | Pyrene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 34807 | Barium Acceptable Range | ug/g | Total | Actual | | Dry | | | 200.7(S) | |
| | | 0.00000 - 9,999,999.00000 ug/g | | | | | | | | |
| 34957 | Silver Acceptable Range | ug/g | Total | Actual | | Dry | | | 200.7(S) | |
| | | 0.00000 - 9,999,999.00000 ug/g | | | | | | | | |
| 39333 | Aldrin | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 39383 | Dieldrin | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 39393 | Endrin | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 39403 | Toxaphene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 39413 | Heptachlor | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 39423 | Heptachlor epoxide | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 39631 | Atrazine Acceptable Range | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| | | 0.00000 - 9,999.00000 ug/kg | | | | | | | | |
| 39701 | Hexachlorobenzene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 50945 | PCB-008 Acceptable Range | mg/kg | Total | Actual | | Dry | | | UNKNWN | |
| | | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |
| 50946 | PCB-018 Acceptable Range | mg/kg | Total | Actual | | Dry | | | UNKNWN | |
| | | 0.00000 - 9,999,999.00000 mg/kg | | | | | | | | |
| 50947 | PCB-028 Acceptable Range | mg/kg | Total | Actual | | Dry | | | UNKNWN | |
| | | 0.00000 - 9,999,999.00000 mg/kg | | | | | | | | |
| 50948 | PCB-052 | mg/kg | Total | Actual | | Dry | | | UNKNWN | |

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|--------|-----------------------------|---------------------------------|-----------------|------------|----------------|-----------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/kg | | | | | | | | |
| 50962 | Pcb-195 | mg/kg | Total | Actual | | Dry | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |
| 70310 | pH | None | Total | Actual | | Wet | | | UNKNWN | |
| | Acceptable Range | 0.10000 - 14.00000 None | | | | | | | | |
| 71921 | Mercury | mg/kg | Total | Actual | | Ash-Free Dry | | | 200.7(S) | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/kg | | | | | | | | |
| 75558 | Biphenyl | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 78828 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 78868 | Methylnaphthalene, 2- | ug/kg | Total | Actual | | Dry | | | UNKNWN | |
| 80153 | Carbon, Total Organic (Toc) | % | Total | Actual | | Dry | | | 9060 | |
| | Acceptable Range | 0.00000 - 9,999.00000 % | | | | | | | | |
| 81951 | Carbon, Total Organic (Toc) | mg/kg | Total | Actual | | Dry | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/kg | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| WTR_FLD | Fld Msr/Obs - WTR | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |
| 00059 | Flow | gal/min | | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 gal/min | | | | | | | | |
| 00060 | Flow | cfs | | Actual | Mean | | 1 Day | | UNKNWN | |
| | Acceptable Range | 0.00000 - 1,500,000.00000 cfs | | | | | | | | |
| 00061 | Flow | cfs | | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 500,000.00000 cfs | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00064 | Depth, bottom | ft | | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | MS1983 | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |
| 00080 | Color, True | PCU | | Actual | | | | | 2120-B | |
| | Acceptable Range | 0.00000 - 500.00000 PCU | | | | | | | | |
| 00081 | Color, True | PCU | | Actual | | | | | 2120-B | |
| | Acceptable Range | 0.00000 - 9,999.00000 PCU | | | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 120.1 | |
| | Acceptable Range | 1.00000 - 60,000.00000 umho/cm | | | | | | | | |
| 00183 | Chlorine | mg/l | Total Residual | Actual | | | | | 330.5 | |
| | Acceptable Range | 0.10000 - 99,999,999.00000 mg/l | | | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| 00300 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 45.00000 mg/l | | | | | | | | |
| 00301 | Dissolved oxygen saturation | % | | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 00400 | pH | None | | Actual | | | | | 9040A | |
| | Acceptable Range | 1.00000 - 14.00000 None | | | | | | | | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 99,999,999.00000 umho/cm | | | | | | | | |
| 00406 | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.10000 - 14.00000 None | | | | | | | | |
| 00480 | Salinity | ppt | | Actual | | | | | 2520-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppt | | | | | | | | |
| 49701 | Depth, Secchi Disk Depth | ft | | Actual | | | | | MS1983 | |
| | Acceptable Range | 0.00000 - 300.00000 ft | | | | | | | | |
| 50051 | Flow | mgd | | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mgd | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 70304 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | MS1030F-5 | |
| | Acceptable Range | 4.00000 - 9,999.00000 mg/l | | | | | | | | |
| 70940 | Macroinvertebrates | #/m2 | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 #/m2 | | | | | | | | |
| 70945 | Periphyton | count | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 count | | | | | | | | |
| 81903 | Depth, bottom | ft | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| 82078 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| WTR_SMPL | Sample - WTR | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | 405.1 | |
| | Acceptable Range | 2.00000 - 1,500.00000 mg/l | | | | | | | | |
| 00319 | BOD, ultimate | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 00320 | BOD, ultimate first stage | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 00321 | BOD, ultimate second stage | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,500.00000 mg/l | | | | | | | | |
| 00322 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 10 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 00323 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 15 Day | 20 Deg C | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 00324 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 20 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | 410.4 | |
| | Acceptable Range | 10.00000 - 1,000.00000 mg/l | | | | | | | | |
| 00345 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 25 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 00349 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 30 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 00403 | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.10000 - 14.00000 None | | | | | | | | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 00435 | Acidity as CaCO3 | mg/l | | Actual | | | | | 305.1 | |
| | Acceptable Range | 0.00000 - 9,999.00000 mg/l | | | | | | | | |
| 00500 | Solids, Fixed | mg/l | Total | Actual | | | | | 160.3 | |
| | Acceptable Range | 4.00000 - 600.00000 mg/l | | | | | | | | |
| 00505 | Solids, Fixed | mg/l | Volatile | Actual | | | | | 160.4 | |
| | Acceptable Range | 4.00000 - 99,999,999.00000 mg/l | | | | | | | | |
| 00530 | Solids, Fixed | mg/l | Total | Actual | | | | | 160.2 | |
| | Acceptable Range | 4.00000 - 500.00000 mg/l | | | | | | | | |
| 00530N | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| | Acceptable Range | 2.00000 - 10,000.00000 mg/l | | | | | | | | |
| 00535 | Solids, Fixed | mg/l | Total Residual | Actual | | | | | MS106.4 | |
| | Acceptable Range | 4.00000 - 99,999,999.00000 mg/l | | | | | | | | |
| 00556 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| | Acceptable Range | 5.00000 - 600.00000 mg/l | | | | | | | | |

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|--------|---|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00605 | Nitrogen, organic Acceptable Range | mg/l 0.00000 - 200.00000 mg/l | | Calculated | | | | | 351.2 | |
| 00608 | Nitrogen, ammonia (NH3) as NH3 Acceptable Range | mg/l 0.00500 - 20.00000 mg/l | Dissolved | Actual | | | | | 350.1 | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 Acceptable Range | mg/l 0.10000 - 20.00000 mg/l | Total | Actual | | | | | 350.1 | |
| 00613 | Nitrogen, Nitrite (NO2) as NO2 Acceptable Range | mg/l 0.00500 - 1.00000 mg/l | Dissolved | Actual | | | | | 300(A) | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 354.1 | |
| 00618 | Nitrogen, Nitrate (NO3) as NO3 Acceptable Range | mg/l 0.00000 - 25.00000 mg/l | Dissolved | Actual | | | | | MS353.2AW | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 Acceptable Range | mg/l 0.02000 - 9,999,999.00000 mg/l | Total | Actual | | | | | MS353.2A | |
| 00625 | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.00000 - 50.00000 mg/l | Total | Actual | | | | | 351.2 | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N Acceptable Range | mg/l 0.02000 - 55.00000 mg/l | Total | Actual | | | | | 353.2 | |
| 00665 | Phosphorus as P Acceptable Range | mg/l 0.01000 - 10.00000 mg/l | Total | Actual | | | | | 365.2 | |
| 00666 | Phosphorus as P Acceptable Range | mg/l 0.02000 - 100.00000 mg/l | Dissolved | Actual | | | | | 365.2 | |
| 00671 | Phosphorus, orthophosphate as P Acceptable Range | mg/l 0.00000 - 100.00000 mg/l | Dissolved | Actual | | | | | | |
| 00673 | Phosphorus, organic as P Acceptable Range | mg/l 0.00000 - 100.00000 mg/l | Dissolved | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) Acceptable Range | mg/l 0.00000 - 100.00000 mg/l | Total | Actual | | | | | 415.1 | |

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|--------|---|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00681 | Carbon, organic Acceptable Range | mg/l | Dissolved | Actual | | | | | | |
| | | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 00720 | Cyanide Acceptable Range | mg/l | Total | Actual | | | | | 335.2 | |
| | | 0.01000 - 9,999.00000 mg/l | | | | | | | | |
| 00722 | Cyanide Acceptable Range | mg/l | Free Available | Actual | | | | | 335.1 | |
| | | 0.01000 - 99,999,999.00000 mg/l | | | | | | | | |
| 00740 | Sulfite (SO3) as SO3 Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| | | 10.00000 - 99,999,999.00000 mg/l | | | | | | | | |
| 00745 | Sulfide Acceptable Range | mg/l | Total | Actual | | | | | 376.2 | |
| | | 0.00000 - 600.00000 mg/l | | | | | | | | |
| 00900 | Hardness, Ca + Mg Acceptable Range | mg/l | Total | Actual | | | | | 130.1 | |
| | | 3.00000 - 500.00000 mg/l | | | | | | | | |
| 00916 | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 215.2 | |
| | | 10.00000 - 5,000.00000 mg/l | | | | | | | | |
| 00940 | Chloride Acceptable Range | mg/l | Total | Actual | | | | | 325.1 | |
| | | 0.00000 - 22,000.00000 mg/l | | | | | | | | |
| 00945 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l | Total | Actual | | | | | 375.4 | |
| | | 10.00000 - 600.00000 mg/l | | | | | | | | |
| 00951 | Fluorides Acceptable Range | mg/l | Total | Actual | | | | | 340.2 | |
| | | 0.10000 - 9,999,999.00000 mg/l | | | | | | | | |
| 01002 | Arsenic Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 2.20000 - 500.00000 ug/l | | | | | | | | |
| 01007 | Barium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.22000 - 9,999,999.00000 ug/l | | | | | | | | |
| 01012 | Beryllium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 1.00000 - 600.00000 ug/l | | | | | | | | |
| 01022 | Boron Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 1.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 01025 | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | | 1.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |

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|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.27000 - 100.00000 ug/l | | | | | | | | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 1.00000 - 2,000.00000 ug/l | | | | | | | | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 600.00000 ug/l | | | | | | | | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.52000 - 150.00000 ug/l | | | | | | | | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 15,000.00000 ug/l | | | | | | | | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 5.00000 - 1,000.00000 ug/l | | | | | | | | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 5.00000 - 5,000.00000 ug/l | | | | | | | | |
| 01059 | Thallium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 5.80000 - 99,999,999.00000 ug/l | | | | | | | | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 1.60000 - 500.00000 ug/l | | | | | | | | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 1.00000 - 9,999.00000 ug/l | | | | | | | | |
| 01087 | Vanadium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.37000 - 99,999,999.00000 ug/l | | | | | | | | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.59000 - 1,000.00000 ug/l | | | | | | | | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 1.30000 - 9,999,999.00000 ug/l | | | | | | | | |
| 01102 | Tin | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 2.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01106 | Aluminum Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01142 | Silicon as Si Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01147 | Selenium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01152 | Titanium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01307 | Chromium, hexavalent Acceptable Range | mg/l | Total | Actual | | | | | | |
| 17501 | Lead-210 Acceptable Range | pCi/L | Total | Actual | | | | | | |
| 31501 | Fecal Coliform Acceptable Range | #/100ml | Total | Actual | | | | | | |
| 31507 | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| 31615 | Fecal Coliform Acceptable Range | #/100ml | | Actual | | | | | MS9221 | |
| 31616 | Fecal Coliform Acceptable Range | #/100ml | | Actual | | | | | 9222-D | |
| 31621 | Fecal Coliform Acceptable Range | #/100ml | | Actual | | | | | 9221-E | |
| 31648 | Escherichia coli Acceptable Range | #/100ml | Filterable | Actual | | | | | 9222-B | |
| 31649 | Enterococcus Group Bacteria Acceptable Range | cfu/100ml | Non-filterable | Actual | | | | | MS1600 | |
| 31675 | Fecal Streptococcus Group Bacteria Acceptable Range | #/100ml | Total | Actual | | | | | 9230-B | |
| 32209 | Chlorophyll a, uncorrected for pheophytin Acceptable Range | ug/l | | Actual | | | | | MS445N | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | MS446 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 32213 | Pheophytin-a | ug/l | Filterable | Actual | | | | | MS10200H | |
| | Acceptable Range | 0.00000 - 200.00000 ug/l | | | | | | | | |
| 32218 | Pheophytin-a | ug/l | | Actual | | | | | MS446 | |
| | Acceptable Range | 0.00000 - 600.00000 ug/l | | | | | | | | |
| 32228 | Chlorophyll a, uncorrected for pheophytin | mg/m2 | Filterable | Actual | | Dry | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 999,999.00000 mg/m2 | | | | | | | | |
| 32238 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 520.00000 mg/m3 | | | | | | | | |
| 32730 | Phenols (mixture) | ug/l | Total | Actual | | | | | | |
| 39488 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 39492 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 39496 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 39500 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 39504 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 39508 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| 39580 | Azinphos-methyl | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 46000 | Phenols (mixture) | mg/l | Total | Actual | | | | | 420.1 | |
| | Acceptable Range | 0.05000 - 200.00000 mg/l | | | | | | | | |
| 46003 | Phosphate | mg/l | Dissolved | Actual | | | | | 365.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00200 - 99,999,999.00000 mg/l | | | | | | | | |
| 49560 | Hydrocarbons, Petroleum (Unspecified Mix) | mg/l | Total | Actual | | | | | 1664 | |
| | Acceptable Range | 5.00000 - 99,999,999.00000 mg/l | | | | | | | | |
| 50787 | Phosphate | mg/l | Total | Actual | | | | | 365.2 | |
| | Acceptable Range | 0.01000 - 99,999,999.00000 mg/l | | | | | | | | |
| 70294 | Solids, Fixed | mg/l | Total Residual | Calculated | | | | | MS1030F-5 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 mg/l | | | | | | | | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| 70515 | Color, True | PCU | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 600.00000 PCU | | | | | | | | |
| 71890 | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.50000 - 99,999,999.00000 ug/l | | | | | | | | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.50000 - 10.00000 ug/l | | | | | | | | |
| 77222 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999.00000 ug/l | | | | | | | | |
| 77226 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999.00000 ug/l | | | | | | | | |
| 78131 | Toluene | ug/l | Total | Actual | | | | | UNKNWN | |
| | Acceptable Range | 0.00000 - 9,999.00000 ug/l | | | | | | | | |
| 80082 | BOD, carbonaceous | mg/l | | Actual | | | 5 Day | 20 Deg C | 405.1 | |
| | Acceptable Range | 2.00000 - 300.00000 mg/l | | | | | | | | |
| 80084 | BOD, carbonaceous | mg/l | | Actual | | | 10 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 80086 | BOD, carbonaceous | mg/l | | Actual | | | 15 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| 80087 | BOD, carbonaceous | mg/l | | Actual | | | 20 Day | 20 Deg C | | |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 80088 | BOD, carbonaceous Acceptable Range | mg/l 0.00000 - 300.00000 mg/l | | Actual | | | 30 Day | 20 Deg C | | |
| 80257 | BOD, carbonaceous Acceptable Range | mg/l 0.00000 - 300.00000 mg/l | | Actual | | | 2 Day | 20 Deg C | | |
| 80280 | BOD, Biochemical oxygen demand Acceptable Range | mg/l 0.00000 - 300.00000 mg/l | Filterable | Actual | | | 5 Day | 20 Deg C | | |
| 80353 | Xylene, o- Acceptable Range | ug/l 0.00000 - 9,999.00000 ug/l | Total | Actual | | | | | UNKNWN | |
| 81648 | Pcb-aroclor 1242/1260 Acceptable Range | ug/l 0.00000 - 9,999,999.00000 ug/l | Total | Actual | | | | | | |
| 82033 | Magnesium Acceptable Range | ug/l 0.00000 - 600.00000 ug/l | Total | Actual | | | | | 200.7(W) | |
| 82034 | Potassium Acceptable Range | ug/l 0.00000 - 600.00000 ug/l | Total | Actual | | | | | 200.7(W) | |
| 82035 | Sodium Acceptable Range | ug/l 0.00000 - 600.00000 ug/l | Total | Actual | | | | | 200.7(W) | |
| 82079 | Turbidity Acceptable Range | NTU 1.00000 - 6,000.00000 NTU | Total | Actual | | | | | 180.1 | |
| 85795 | Xylenes, m- & p- Mix Acceptable Range Flucythrinate (Cybolt) | ug/l 0.00000 - 9,999.00000 ug/l | Total | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 10 | WATER TEMP | Field Msr/Obs | Water | | | | N |

Citations NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Temperature, water | deg C | | Actual | | | | | WQS SOP | |
| 2001 | Temperature, water | deg C | | Actual | | | | | WQS SOP | |
| LEGACY | Temperature, water | deg C | | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1000 | ARSENIC DISSOLVED | Sample | Water | | | | N |

Description ARSENIC DISSOLVED UG/L AS AS

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Arsenic | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1002 | ARSENIC TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| 2001Q1 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| 2001Q2 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| 2001Q3 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| 2001Q4 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| LEGACY | Arsenic | ug/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1003 | ARSENIC TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

Description ARSENIC IN SEDIMENT MG/KG AS AS DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Arsenic | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 1005 | BARIUM DISSOLVED | Sample | Water | | | | N |

Description BARIUM DISSOLVED UG/L AS BA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Barium | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 1006 | BARIUM SUSPENDED | Sample | Water | | | | N |

Description BARIUM SUSPENDED UG/L AS BA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Barium | ug/l | Suspended | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 1007 | BARIUM TOTAL | Sample | Water | | | | N |

Description BARIUM TOTAL UG/L AS BA

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Barium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------------|--------------------------------|--------|--------|-----------|--------------|---------|
| 1010 | BERYLLIUM DISSOLVED | Sample | Water | | | | N |
| Description | | BERYLLIUM DISSOLVED UG/L AS BE | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Beryllium | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------|----------------------------|--------|--------|-----------|--------------|---------|
| 1012 | BERYLLIUM TOTAL | Sample | Water | | | | N |
| Description | | BERYLLIUM TOTAL UG/L AS BE | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Beryllium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------------|---|----------|--------|-----------|--------------|---------|
| 1024 | CHROMIUM TOTAL IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | CHROMIUM TOTAL IN SEDIMENT MG/KG WET WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chromium | mg/kg | Total | Actual | | | | | SED_WET | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 1025 | CADMIUM DISSOLVED | Sample | Water | | | | N |

Description CADMIUM DISSOLVED UG/L AS CD

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Cadmium | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 1027 | CADMIUM TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| 2001Q1 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| 2001Q2 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| 2001Q3 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| 2001Q4 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| LEGACY | Cadmium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1028 | CADMIUM TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

Description CADMIUM TOTAL IN SEDIMENT MG/KG DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Cadmium | mg/kg | Total | Actual | | | | | SED_DRY | |

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| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1029 | CHROMIUM TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

Description CHROMIUM TOTAL IN SEDIMENT MG/KG DRY WEIGHT

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Chromium | mg/kg | Total | Actual | | | | | SED_DRY | |

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1030 | CHROMIUM DISSOLVED | Sample | Water | | | | N |

Description CHROMIUM DISSOLVED UG/L AS CR

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Chromium | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1032 | CHROMIUM HEXAVALENT | Sample | Water | | | | N |

Description CHROMIUM HEXAVALENT UG/L AS CR

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Chromium, hexavalent | ug/l | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1034 | CHROMIUM TOTAL | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q1 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q2 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q3 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q4 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| LEGACY | Chromium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------|-----------------------------|--------|--------|-----------|--------------|---------|
| 1035 | COBALT DISSOLVED | Sample | Water | | | | N |
| Description | | COBALT DISSOLVED UG/L AS CO | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Cobalt | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------|-----------------------------|--------|--------|-----------|--------------|---------|
| 1036 | COBALT SUSPENDED | Sample | Water | | | | N |
| Description | | COBALT SUSPENDED UG/L AS CO | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Cobalt | ug/l | Suspended | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------|-------------------------|--------|--------|-----------|--------------|---------|
| 1037 | COBALT TOTAL | Sample | Water | | | | N |
| Description | | COBALT TOTAL UG/L AS CO | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Cobalt | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------|---|----------|--------|-----------|--------------|---------|
| 1038 | COBALT TOTAL IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | COBALT TOTAL IN SEDIMENT MG/KG AS CO DRY WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Cobalt | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------------------|---|----------|--------|-----------|--------------|---------|
| 1039 | COPPER IN SEDIMENT WET WT | Sample | Sediment | | | | N |
| Description | | COPPER TOTAL IN SEDIMENT MG/KG WET WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Copper | mg/kg | Total | Actual | | | | | SED_WET | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------|-----------------------------|--------|--------|-----------|--------------|---------|
| 1040 | COPPER DISSOLVED | Sample | Water | | | | N |
| Description | | COPPER DISSOLVED UG/L AS CU | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Copper | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1042 | COPPER TOTAL | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2000 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| 2001Q1 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| 2001Q2 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| 2001Q3 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| 2001Q4 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| LEGACY | Copper | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
|--------------------|---------------------------|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 1043 | COPPER IN SEDIMENT DRY WT | Sample | Sediment | | | | N | | | | |
| Description | | COPPER TOTAL IN SEDIMENT DRY WEIGHT | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| LEGACY | Copper | mg/kg | Total | Actual | | | | | SED_DRY | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1045 | IRON TOTAL | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2000 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q1 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q2 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q3 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2001Q4 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| LEGACY | Iron | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 1049 | LEAD DISSOLVED | Sample | Water | | | | N |

Description LEAD DISSOLVED UG/L AS PB

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Lead | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 1051 | LEAD TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| 2001Q1 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| 2001Q2 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| 2001Q3 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| 2001Q4 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| LEGACY | Lead | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|----------|--------|-----------|--------------|---------|
| 1052 | LEAD IN SEDIMENT | Sample | Sediment | | | | N |

Description LEAD IN SEDIMENT MG/KG AS PB DRY WEIGHT

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Lead | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|-----------------------|----------------|----------|--------|-----------|--------------|---------|
| 1053 | MANGANESE IN SEDIMENT | Sample | Sediment | | | | N |
| Description MANGANESE IN SEDIMENT MG/KG MN DRY WEIGHT | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Manganese | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 1055 | MANGANESE TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q1 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q2 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q3 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q4 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| LEGACY | Manganese | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 1056 | MANGANESE DISSOLVED | Sample | Water | | | | N |
| Description MANGANESE DISSOLVED UG/L AS MN | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------------------------|---------------------------------|------------------------|---------------|------------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Manganese | ug/l | Dissolved | Actual | | | | | UNKNOWN | |
| Group ID 1062 | Group Name MOLYBDENUM TOTAL | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Molybdenum | ug/l | Total | Actual | | | | | UNKNOWN | |
| Group ID 1065 | Group Name NICKEL DISSOLVED | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |
| | Description | NICKEL DISSOLVED UG/L AS NI | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Nickel | ug/l | Dissolved | Actual | | | | | UNKNOWN | |
| Group ID 1067 | Group Name NICKEL TOTAL | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2000 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q1 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q2 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q3 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2001Q4 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| LEGACY | Nickel | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1068 | NICKEL TOTAL IN SEDIMENT | Sample | Sediment | | | | N |
| Description NICKEL TOTAL IN SEDIMENT MG/KG DRY WEIGHT | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nickel | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------|----------------|--------|--------|-----------|--------------|---------|
| 1075 | SILVER DISSOLVED | Sample | Water | | | | N |
| Description SILVER DISSOLVED UG/L AS AG | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Silver | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------|----------------|--------|--------|-----------|--------------|---------|
| 1077 | SILVER TOTAL | Sample | Water | | | | N |
| Description SILVER TOTAL UG/L AS AG | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Silver | ug/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1078 | SILVER TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

Description SILVER TOTAL IN SEDIMENT MG/KG AS AG DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Silver | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 1087 | VANADIUM TOTAL | Sample | Water | | | | N |

Description VANADIUM TOTAL UG/L AS V

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Vanadium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 1090 | ZINC DISSOLVED | Sample | Water | | | | N |

Description ZINC DISSOLVED UG/L AS ZN

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Zinc | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 1092 | ZINC TOTAL | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 2001Q1 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q2 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q3 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 2001Q4 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| LEGACY | Zinc | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|---|----------|--------|-----------|--------------|---------|
| 1093 | ZINC TOTAL IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | ZINC TOTAL IN SEDIMENT MG/KG AS ZN DRY WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Zinc | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------|---------------------------|--------|--------|-----------|--------------|---------|
| 1097 | ANTIMONY TOTAL | Sample | Water | | | | N |
| Description | | ANTIMONY TOTAL UG/L AS SB | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Antimony | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1098 | ANTIMONY TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

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Description ANTIMONY IN SEDIMENT MG/KG AS SB DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Antimony | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 11 | WATER TEMP DEG F | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Temperature, water | deg F | | Calculated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 1102 | TIN TOTAL | Sample | Water | | | | N |

Description TIN TOTAL UG/L AS SN

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Tin | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 1105 | ALUMINUM TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 20001Q1 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 20001Q2 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20001Q3 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 20001Q4 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| LEGACY | Aluminum | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------------|---|----------|--------|-----------|--------------|---------|
| 1108 | ALUMINUM TOTAL IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | ALUMINUM TOTAL IN SEDIMENT MG/KG AS AL DRY WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Aluminum | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------|--------------------------|--------|--------|-----------|--------------|---------|
| 1132 | LITHIUM TOTAL | Sample | Water | | | | N |
| Description | | LITHIUM TOTAL UG/L AS LI | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Lithium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------|---------------------------|--------|--------|-----------|--------------|---------|
| 1147 | SELENIUM TOTAL | Sample | Water | | | | N |
| Description | | SELENIUM TOTAL UG/L AS SE | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Selenium | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1148 | SELENIUM TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

Description SELENIUM TOTAL IN SEDIMENT MG/KG AS SE DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Selenium | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|----------|--------|-----------|--------------|---------|
| 1170 | IRON TOTAL IN SEDIMENT | Sample | Sediment | | | | N |

Description IRON TOTAL IN SEDIMENT MG/KG AS FE DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Iron | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 1300 | OIL-GREASE SEVERITY | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Oil and Grease | None | | Actual | | | | | GO_SEVERITY | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 1305 | DETERGENT SUDS SEVERITY | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Floating Detergent/Soap - Severity (Choice List) | | | | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 1315 | SLUDGE FLOATING SEVERITY | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Sludge, floating - severity (choice list) | | | | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 1325 | ALGAE FLOATING MATS SEVERITY | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Algae, floating mat - severity (choice list) | | | | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 1330 | ODOR ATMOSPHERIC SEVERITY | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---|--|------------------------|---------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Odor severity (choice list) | | | | | | | | UNKNOWN | |
| Group ID 1340 | Group Name DEAD FISH SEVERITY | Field Activity Field Msr/Obs | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Fish Kill, severity (choice list) | | | | | | | | UNKNOWN | |
| Group ID 1345 | Group Name DEBRIS FLOATING SEVERITY | Field Activity Field Msr/Obs | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Floating debris - severity (choice list) | | | | | | | | UNKNOWN | |
| Group ID 1350 | Group Name TURBIDITY SEVERITY | Field Activity Field Msr/Obs | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Turbidity severity (choice list) | | | | | | | | UNKNOWN | |
| Group ID 1351 | Group Name FLOW SEVERITY | Field Activity Field Msr/Obs | Medium Water | Intent | | Community | | | Result Group | Habitat N |

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Description RATED ON A SCALE OF 1 TO 4, 1=LEAST FLOW/DRY 4=HIGHEST FLOW/FLOOD

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Flow, severity (choice list) | | | | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 20 | AIR TEMPERATURE | Field Msr/Obs | Air | | | | N |

Citations NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Temperature, air | deg C | | Actual | | | | | WQS SOP | |
| 2001 | Temperature, air | deg C | | Actual | | | | | WQS SOP | |
| LEGACY | Temperature, air | deg C | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 204 | DEPTH AT WHICH 1% LIGHT REMAIN | Field Msr/Obs | Water | | | | N |

Description DEPTH IN METERS AT WHICH 1% SURFACE LIGHT REMAINS

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Light attenuation, depth at 99% | m | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| 295 | DISSOLVED OXYGEN ML/L | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 300 | DISSOLVED OXYGEN | Field Msr/Obs | Water | | | | N | | | |
| Citations | | NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | WQS SOP | |
| 2001 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | WQS SOP | |
| LEGACY | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 301 | DISSOLVED OXYGEN % SATURATION | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Dissolved oxygen saturation | % | Dissolved | Calculated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 308 | BOD 20 DAY, N-INHIB | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | BOD, carbonaceous | mg/l | Total | Actual | | | 20 Day | 20 Deg C | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 310 | BOD 5 DAY | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31501 | COLIFORM TOTAL MF M-ENDO | Sample | Water | | | | N |

Description COLIFORM TOTAL MEMBRANE FILTER M-ENDO MEDIUM 35 DEG C

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Total Coliform | #/100ml | Total | Actual | | | | | TOTAL_IMM | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31504 | TOTAL COLIFORM MF METHOD | Sample | Water | | | | N |

Description COLIFORM TOTAL MEMBRANE FILTRATION METHOD LES ENDO AGAR 35C

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Total Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q1 | Total Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q2 | Total Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q3 | Total Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q4 | Total Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| LEGACY | Total Coliform | #/100ml | Total | Actual | | | | | TOTAL_IMM_LES | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31505 | COLIFORM TOTAL MPN CONFIRMED | Sample | Water | | | | N |

Description COLIFORM TOTAL MPN CONFIRMED TEST 35C (TUBE 31506)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Total Coliform | #/100ml | Total | Actual | | | | | TOTAL_MPNC ONFRM | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31615 | COLIFORM FECAL MPN EC MED 44.5 | Sample | Water | | | | N |

Description COLIFORM FECAL MPN, EC MEDIUM, 44.5C, (TUBE CONFIGURATION METHOD CODE 31614)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Fecal Coliform | #/100ml | Total | Actual | | | | | FEC_MPNEC | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31616 | FECAL COLIFORM MF METHOD | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Fecal Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q1 | Fecal Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q2 | Fecal Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q3 | Fecal Coliform | #/100ml | Total | Actual | | | | | MICRO | |
| 2001Q4 | Fecal Coliform | #/100ml | Total | Actual | | | | | MICRO | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Fecal Coliform | #/100ml | Total | Actual | | | | | FEC_MF | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 31648 | E COLI MTEC-MF | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Escherichia coli | #/100ml | Total | Actual | | | | | ECOLI_MFMTEC | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 31649 | ENTEROCOCCI ME-MF | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | ENT_MFME | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31673 | FECAL STREP MF KF AGAR | Sample | Water | | | | N |

Description FECAL STREPTOCOCCI MEMBRANE FILTER METHOD KF AGAR 35C 48 HOUR

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | STRP_MFKF | |

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| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31679 | FECAL STREP MF M-ENTERO AGAR | Sample | Water | | | | N |

Description FECAL STREPTOCOCCI MEMBRANE FILTER METHOD M-ENTEROCOCCUS AGAR 53C 48HR

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | STRP_MFENT | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32 | CLOUD COVER | Field Msr/Obs | Air | | | | N |

Citations NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Cloud cover | % | | Actual | | | | | WQS SOP | |
| 2001 | Cloud cover | % | | Actual | | | | | WQS SOP | |
| LEGACY | Cloud cover | % | | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32209 | CHLOROPHYLL A CORRECTED | Sample | Water | | | | N |

Description CHLOROPHYLL A FLUOROMETRIC CORRECTED UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | CHLA_FLUOR | |

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| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32210 | CHLOROPHYLL A UNCORRECTED | Sample | Water | | | | N |

Description CHLOROPHYLL A TRICHROMATIC UNCORRECTED UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | CHLA_TRICH | |

| | | | | | | | |
|-----------------|-----------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32211 | CHLOROPHYLL A SPEC ACID METHOD | Sample | Water | | | | N |

Description CHLOROPHYLL A SPECTROPHOTOMETRIC ACID. METHOD UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | CHLA_SPEC | |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32213 | PHEOPHYTIN A FLUOR METHOD | Sample | Water | | | | N |

Description PHEOPHYTIN A FLUORIMETRIC METHOD UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Pheophytin-a | ug/l | Total | Actual | | | | | PHEO_FLUOR | |

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| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32217 | CHLOROPHYLL A UNCORRECTED | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| LEGACY | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | CHLA_FLUOR | |

| | | | | | | | |
|-----------------|----------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32218 | PHEOPHYTIN A SPEC ACID METHOD | Sample | Water | | | | N |

Description PHEOPHYTIN A SPECTROPHOTOMETRIC ACID. METHOD UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Pheophytin-a | ug/l | Total | Actual | | | | | PHEO_SPEC | |

| | | | | | | | |
|-----------------|---------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32223 | CHLOROPHYLL A CORRECTED SPEC | Sample | Water | | | | N |

Description CHLOROPHYLL A CORRECTED SPECTROPHOTOMETRIC MG/M2

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlorophyll a, corrected for pheophytin | mg/m2 | Total | Actual | | | | | CHLA_SPEC | |

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| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32224 | PHEOPHYTIN A SPEC ACID METHOD | Sample | Water | | | | N |

Description PHEOPHYTIN A SPECTROPHOTOMETRIC ACID. METHOD MG/M2

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Pheophytin-a | mg/m2 | Total | Actual | | | | | PHEO_SPEC | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 32730 | PHENOLS | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| 2001Q1 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| 2001Q2 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| 2001Q3 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| 2001Q4 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| LEGACY | Phenols (mixture) | ug/l | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 335 | COD 0.025N K2CR2O7 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | COD_LOW | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 340 | COD 0.25N K2CR2O7 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | COD_HIGH | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 35 | WIND VELOCITY | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Wind velocity | mph | | Estimated | | | | | WQS SOP | |
| 2001 | Wind velocity | mph | | Estimated | | | | | WQS SOP | |
| LEGACY | Wind velocity | mph | | Estimated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 36 | WIND DIRECTION | Field Msr/Obs | Air | | | | N |

Citations NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | WQS SOP | |
| 2001 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | WQS SOP | |
| LEGACY | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | UNKNOWN | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 37 | WIND FORCE | Field Msr/Obs | Air | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Wind force, Beaufort scale | None | | Estimated | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 38260 | MBAS | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|--------------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2000 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | 425.1 | |
| 20001Q1 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | 425.1 | |
| 20001Q2 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | 425.1 | |
| 20001Q3 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | 425.1 | |
| 20001Q4 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | 425.1 | |
| LEGACY | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 39061 | PENTACHLOROPHENOL IN SEDIMENT | Sample | Sediment | | | | N |

Description PCP (PENTACHLORPHENO) IN SEDIMENT DRY SOLIDS UG/KG

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Pentachlorophenol (PCP) | ug/kg | Total | Actual | | | | | SED_DRY | |

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| | | | | | | | |
|--------------------------|---|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 39064 | Group Name CIS CHLORDANE IN SEDIMENT | Field Activity Sample | Medium Sediment | Intent | Community | Result Group | Habitat N |
|--------------------------|---|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|

Description CHLORDANE CIS ISOMER IN SEDIMENT DRY SOLIDS UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlordane, cis | ug/kg | Total | Actual | | | | | SED_DRY | |

| | | | | | | | |
|--------------------------|---|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 39067 | Group Name TRANS CHLORDANE IN SEDIMENT | Field Activity Sample | Medium Sediment | Intent | Community | Result Group | Habitat N |
|--------------------------|---|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|

Description CHLORDANE TRANS ISOMER IN SEDIMENT DRY SOLIDS UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlordane, trans | ug/kg | Total | Actual | | | | | SED_DRY | |

| | | | | | | | |
|--------------------------|---|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 39073 | Group Name TRANS-NONACHLOR IN SEDIMENT | Field Activity Sample | Medium Sediment | Intent | Community | Result Group | Habitat N |
|--------------------------|---|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|

Description CHLORDANE NONACHLOR TRANS ISOMER IN SEDIMENT UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nonachlor, trans- | ug/kg | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|--------------------------|--|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 39076 | Group Name ALPHA BHC IN SEDIMENT | Field Activity Sample | Medium Sediment | Intent | Community | Result Group | Habitat N |
|--------------------------|--|---------------------------------|---------------------------|---------------|------------------|---------------------|---------------------|

BHC- ALPHA ISOMER IN SEDIMENT DRY SOLIDS UG/KG

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Description

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | BHC-alpha | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|----------|--------|-----------|--------------|---------|
| 39301 | P P' DDT IN SEDIMENT | Sample | Sediment | | | | N |

Description P P' DDT IN SEDIMENT DRY WEIGHT UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|----------|--------|-----------|--------------|---------|
| 39306 | O P' DDT IN SEDIMENT | Sample | Sediment | | | | N |

Description O P' DDT IN SEDIMENT DRY SOLIDS UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDT,o,p'- | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|----------|--------|-----------|--------------|---------|
| 39311 | P P' DDD IN SEDIMENT | Sample | Sediment | | | | N |

Description P P' DDD IN SEDIMENT DRY SOLIDS UG/KG

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|---------------------------------------|----------|--------|-----------|--------------|---------|
| 39316 | O P' DDD IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | O P' DDD IN SEDIMENT DRY SOLIDS UG/KG | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDD, o,p'- | ug/l | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|---------------------------------------|----------|--------|-----------|--------------|---------|
| 39321 | P P' DDE IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | P P' DDE IN SEDIMENT DRY SOLIDS UG/KG | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|--------------------------------------|----------|--------|-----------|--------------|---------|
| 39328 | O P' DDE IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | O P' DDE IN SEDIMENT DR SOLIDS UG/KG | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDE, o,p'- | ug/kg | Total | Actual | | | | | SED_DRY | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39330 | ALDRIN | Sample | Water | | | | N |

Description ALDRIN IN WHOLE WATER SAMPLE UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Aldrin | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| 39333 | ALDRIN IN SEDIMENT | Sample | Sediment | | | | N |

Description ALDRIN IN SEDIMENT DRY SOLIDS UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Aldrin | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 39348 | ALPHA CHLORDANE | Sample | Water | | | | N |

Description ALPHA CHLORDANE IN WHOLE WATER SAMPLE UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlordane, cis | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39360 | DDD | Sample | Water | | | | N |

Description DDD IN WHOLE WATER SAMPLE UG/L

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|--------------------------------|--------|--------|-----------|--------------|---------|
| 39365 | DDE | Sample | Water | | | | N |
| Description | | DDE IN WHOLE WATER SAMPLE UG/L | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|--------------------------------|--------|--------|-----------|--------------|---------|
| 39370 | DDT | Sample | Water | | | | N |
| Description | | DDT IN WHOLE WATER SAMPLE UG/L | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------|----------------------------------|----------|--------|-----------|--------------|---------|
| 39373 | DDT IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | DDT IN SEDIMENT DRY SOLIDS UG/KG | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|-------------------------------------|--------|--------|-----------|--------------|---------|
| 39380 | DIELDRIN | Sample | Water | | | | N |
| Description | | DIELDRIN IN WHOLE WATER SAMPLE UG/L | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Dieldrin | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|---------------------------------------|----------|--------|-----------|--------------|---------|
| 39383 | DIELDRIN IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | DIELDRIN IN SEDIMENT DRY SOLIDS UG/KG | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Dieldrin | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|-----------------------------------|--------|--------|-----------|--------------|---------|
| 39390 | ENDRIN | Sample | Water | | | | N |
| Description | | ENDRIN IN WHOLE WATER SAMPLE UG/L | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Endrin | ug/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| 39393 | ENDRIN IN SEDIMENT | Sample | Sediment | | | | N |

Description ENDRIN IN SEDIMENT DRY SOLIDS UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Endrin | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39400 | TOXAPHENE | Sample | Water | | | | N |

Description TOXAPHENE IN WHOLE WATER SAMPLE UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Toxaphene | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39410 | HEPTACHLOR | Sample | Water | | | | N |

Description HEPTACHLOR IN WHOLE WATER SAMPLE UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Heptachlor | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 39420 | HEPTACHLOR EPOXIDE | Sample | Water | | | | N |

Description HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE UG/L

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------------------|--|---------------------------------|---------------------------|---------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Heptachlor epoxide | ug/l | Total | Actual | | | | | | |
| Group ID 39480 | Group Name METHOXYCHLOR | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| | Description METHOXYCHLOR IN WHOLE WATER SAMPLE UG/L | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Methoxychlor | ug/l | Total | Actual | | | | | UNKNOWN | |
| Group ID 39481 | Group Name METHOXYCHLOR IN SEDIMENT | Field Activity Sample | Medium Sediment | Intent | | Community | | | Result Group | Habitat N |
| | Description METHOXYCHLOR IN SEDIMENT DRY SOLIDS UG/KG | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Methoxychlor | ug/kg | Total | Actual | | | | | SED_DRY | |
| Group ID 39519 | Group Name PCBS IN SEDIMENT | Field Activity Sample | Medium Sediment | Intent | | Community | | | Result Group | Habitat N |
| | Description PCBS IN SEDIMENT DRY SOLIDS UG/KG | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | SED_DRY | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39540 | PARATHION | Sample | Water | | | | N |

Description PARATHION IN WHOLE WATER SAMPLE UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Parathion | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|----------|--------|-----------|--------------|---------|
| 39701 | HEXACHLOROBENZENE IN SEDIMENT | Sample | Sediment | | | | N |

Description HEXACHLOROBENZENE IN SEDIMENT DRY SOLIDS UG/KG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Hexachlorobenzene | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39750 | SEVIN | Sample | Water | | | | N |

Description SEVIN IN WHOLE WATER SAMPLE UG/L

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Sevin | ug/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|----------|--------|-----------|--------------|---------|
| 39811 | GAMMA CHLORDANE IN SEDIMENT | Sample | Sediment | | | | N |

Description GAMMA CHLORDANE IN SEDIMENT DRY SOLIDS UG/KG

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Chlordane, gamma | ug/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 400 | PH | Field Msr/Obs | Water | | | | N | | | |
| | Citations | NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | pH | None | Total | Actual | | | | | WQS SOP | |
| 2001 | pH | None | Total | Actual | | | | | WQS SOP | |
| LEGACY | pH | None | Total | Actual | | | | | PH_FIELD | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 403 | PH LAB | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | pH | None | Total | Actual | | | | | PH_LAB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 410 | ALKALINITY TOTAL AS CaCO3 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | ACALK_LAB | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 415 | ALKALINITY PHENOLPHTHALEIN | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | ALK_PHNPHTH | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| 430 | ALKALINITY CARBONATE | Sample | Water | | | | N |

Description ALKALINITY CARBONATE MG/L AS CaCO3

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 431 | ALKALINITY TOTAL FIELD | Sample | Water | | | | N |

Description ALKALINITY TOTAL FIELD MG/L AS CaCO3

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | ACALK_FIELD | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 435 | ACIDITY TOTAL AS CaCO3 | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Acidity as CaCO3 | mg/l | Total | Actual | | | | | ACALK_LAB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------|--|--------|--------|-----------|--------------|---------|
| 436 | ACIDITY MINERAL AS CACO3 | Sample | Water | | | | N |
| Description | | ACIDITY MINERAL METHYL ORANGE AS CACO3 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Acidity, Free Mineral (FMA) | mg/l | Total | Actual | | | | | ACALK_LAB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------|--|--------|--------|-----------|--------------|---------|
| 45 | PRECIPITATION 24 HR | Field Msr/Obs | Air | | | | N |
| Citations | | NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Precipitation | in | | Actual | | | | | WQS SOP | |
| 2001 | Precipitation | in | | Actual | | | | | WQS SOP | |
| LEGACY | Precipitation | in | | Actual | | | 24 Hours | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------------|--|--------|--------|-----------|--------------|---------|
| 46570 | HARDNESS CALC FROM MG AND CA | Sample | Water | | | | N |
| Description | | HARDNESS CALCULATED FROM MAGNESIUM AND CALCIUM MG/L AS CACO3 | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 480 | SALINITY | Field Msr/Obs | Water | | | | N | | | |
| Citations | | NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Salinity | ppt | Total | Actual | | | | | WQS SOP | |
| 2001 | Salinity | ppt | Total | Actual | | | | | WQS SOP | |
| LEGACY | Salinity | ppt | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|----------------------|-------------------------|--------|--------|-----------|--------------|---------|--|--|--|
| 49015 | TIDE STAGE ELEVATION | Field Msr/Obs | Water | | | | N | | | |
| Description | | TIDE STAGE ELEVATION FT | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Tide stage | ft | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 500 | TOTAL RESIDUE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2001Q1 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| 2001Q2 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| 2001Q3 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| 2001Q4 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| LEGACY | Solids, Total | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------|--|--------|--------|-----------|--------------|---------|
| 50044 | HYDROGRAPH LIMB | Field Msr/Obs | Water | | | | N |
| Description | | HYDROGRAPH LIMB 1- BASE, 2-RISING, 3-PEAK, 4-FALLING | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Hydrograph Limb (choice list) | | | | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------|--------------------------|--------|--------|-----------|--------------|---------|
| 50086 | SETTLABLE MATTER | Sample | Water | | | | N |
| Description | | SETTLABLE MATTER ML/L/HR | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Settleable | ml/l | Settleable | Actual | | | | | SETT_RATE | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 505 | RESIDUE TOTAL VOLATILE | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Volatile | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 510 | RESIDUE TOTAL FIXED | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Fixed | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 515 | RESIDUE TOTAL FILTERABLE | Sample | Water | | | | N |

Description RESIDUE TOTAL FILTERABLE, DRIED AT 105C

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Total | mg/l | Filterable | Actual | | | | | RES_105 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 520 | RESIDUE VOLATILE FILTERABLE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Volatile | mg/l | Filterable | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 525 | RESIDUE FIXED FILTERABLE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Fixed | mg/l | Filterable | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 530 | SUSPENDED RESIDUE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Solids, Total | mg/l | Suspended | Actual | | | | | 160.1 | |
| 2001Q1 | Solids, Total | mg/l | Suspended | Actual | | | | | 160.1 | |
| 2001Q2 | Solids, Total | mg/l | Suspended | Actual | | | | | 160.1 | |
| 2001Q3 | Solids, Total | mg/l | Suspended | Actual | | | | | 160.1 | |
| 2001Q4 | Solids, Total | mg/l | Suspended | Actual | | | | | 160.1 | |
| LEGACY | Solids, Total | mg/l | Suspended | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 535 | RESIDUE VOLATILE NONFILTERABLE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 540 | RESIDUE FIXED NONFILTERABLE | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 545 | RESIDUE SETTLEABLE ML/L | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Settleable | ml/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 546 | RESIDUE SETTLEABLE MG/L | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Settleable | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 550 | OIL AND GREASE SOXHLET EXTRACT | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Oil and Grease | mg/l | Total Recovrble | Actual | | | | | GO_SOX | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 556 | GREASE AND OILS | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Oil and Grease | mg/l | Total | Actual | | | | | 413.1 | |
| 2001Q1 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 2001Q2 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 2001Q3 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 2001Q4 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| LEGACY | Oil and Grease | mg/l | Total | Actual | | | | | GO_FREON | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 59 | FLOW RATE INSTANTANEOUS | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Flow | gal/min | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 60 | FLOW MEAN DAILY | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Flow | cfs | | Calculated | Mean | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 600 | NITROGEN TOTAL | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------------|---|--|------------------------|---------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen ion (N) | mg/l | Total | Actual | | | | | UNKNOWN | |
| Group ID 602 | Group Name NITROGEN DISSOLVED | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Nitrogen ion (N) | mg/l | Dissolved | Actual | | | | | UNKNOWN | |
| Group ID 608 | Group Name NITROGEN AMMONIA DISSOLVED | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | UNKNOWN | |
| Group ID 61 | Group Name FLOW INSTANTANEOUS | Field Activity Field Msr/Obs | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Flow | cfs | | Actual | | | | | UNKNOWN | |
| Group ID 610 | Group Name NITROGEN AMMONIA TOTAL | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 2001Q1 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 2001Q2 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 2001Q3 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 2001Q4 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| LEGACY | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| 611 | NITROGEN AMMONIA IN SEDIMENT | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, ammonia as N | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 615 | NITRITE NITROGEN TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | NO2_AS_N | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 619 | AMMONIA UNIONIZED CALCULATED | Sample | Water | | | | N |

Description AMMONIA UNIONIZED CALCULATED FROM TEMPERATURE, PH, AND NH4

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Ammonia, unionized | mg/l | Total | Calculated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 620 | NITRATE NITROGEN TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | NO3_ASN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 625 | NITROGEN KJELDAHL TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 2001Q1 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 2001Q2 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 2001Q3 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 2001Q4 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| LEGACY | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| 626 | NITROGEN ORG KJELDAHL IN SED | Sample | Sediment | | | | N |

Description NITROGEN ORGANIC KJELDAHL IN SEDIMENT, MG/KG N DRY WEIGHT

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, organic | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------------|---|----------|--------|-----------|--------------|---------|
| 627 | NITROGEN TOTAL KJELDAHL IN SED | Sample | Sediment | | | | N |
| Description | | NITROGEN TOTAL KJELDAHL IN SEDIMENT, MG/KG DRY WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 630 | NITRITE PLUS NITRATE TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 2001Q1 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 2001Q2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 2001Q3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 2001Q4 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| LEGACY | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|----------|--------|-----------|--------------|---------|
| 633 | NITRITE PLUS NITRATE IN SED | Sample | Sediment | | | | N |

Description NITRITE PLUS NITRATE IN SEDIMENT, MG/KG N DRY WEIGHT

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 64 | MEAN STREAM DEPTH | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Depth, bottom | ft | | Actual | Mean | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 65 | STREAM STAGE | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Stream stage height | ft | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 650 | PHOSPHATE TOTAL | Sample | Water | | | | N |

Description PHOSPHATE TOTAL MG/L AS PO4

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------------|--|----------------------------------|------------------------|---------------|------------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Phosphate | mg/l | Total | Actual | | | | | UNKNOWN | |
| Group ID 653 | Group Name PHOSPHATE TOTAL SOLUBLE | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Phosphate | mg/l | Acid Soluble | Actual | | | | | UNKNOWN | |
| Group ID 655 | Group Name PHOSPHATE POLY | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |
| Description | | PHOSPHATE POLY TOTAL MG/L AS PO4 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Phosphorus, polyphosphate as PO4 | mg/l | Total | Actual | | | | | UNKNOWN | |
| Group ID 660 | Group Name ORTHOPHOSPHATE | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |
| Description | | ORTHOPHOSPHATE MG/L AS PO4 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 665 | PHOSPHORUS TOTAL | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2000 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 2001Q1 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 2001Q2 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 2001Q3 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 2001Q4 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| LEGACY | Phosphorus as P | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|----------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 666 | PHOSPHORUS DISSOLVED | Sample | Water | | | | N | | | |
| Description | | PHOSPHORUS DISSOLVED MG/L AS P | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Phosphorus as P | mg/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|------------------------------|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 668 | PHOSPHORUS TOTAL IN SEDIMENT | Sample | Sediment | | | | N | | | |
| Description | | PHOSPHORUS TOTAL IN SEDIMENT MG/KG-P DRY WEIGHT | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Phosphorus as P | mg/kg | Total | Actual | | | | | SED_DRY | |

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| | | | | | | | |
|-----------------------|---------------------------------|--|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 67 | Group Name TIDE STAGE | Field Activity Field Msr/Obs | Medium Water | Intent | Community | Result Group | Habitat N |
|-----------------------|---------------------------------|--|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Tide stage (choice list) | | | | | | | | UNKNOWN | |

| | | | | | | | |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 671 | Group Name ORTHOPHOSPHATE DISSOLVED | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

Description PHOSPHORUS DISSOLVED ORTHOPHOSPHATE MG/L AS P

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 680 | Group Name TOTAL ORGANIC CARBON | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 2001Q1 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 2001Q2 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 2001Q3 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 2001Q4 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| LEGACY | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | UNKNOWN | |

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| | | | | | | | |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 681 | Group Name DISSOLVED ORGANIC CARBON | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

Description DISSOLVED ORGANIC CARBON MG/L AS C

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 685 | Group Name TOTAL INORGANIC CARBON | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

Description CARBON TOTAL INORGANIC MG/L AS C

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Carbon, Total Inorganic | mg/l | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------------|------------------------------------|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 70 | Group Name TURBIDITY JCU | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|-----------------------|------------------------------------|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Turbidity | JCU | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|--------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 70300 | Group Name RESIDUE TOTAL FILTERABLE | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|--------------------------|---|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

Description RESIDUE TOTAL FILTERABLE DRIED AT 180C MG/L

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Solids, Fixed | mg/l | Filterable | Actual | | | | | RES_180 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------------|---------------------------------------|--------|--------|-----------|--------------|---------|
| 70305 | SALINITY CALC FROM CONDUCT | Field Msr/Obs | Water | | | | N |
| Description | | SALINITY CALCULATED FROM CONDUCTIVITY | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Salinity | g/l | | Calculated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------------|---|--------|--------|-----------|--------------|---------|
| 70507 | PHOSPHORUS IN TOTAL ORTHOPO4 | Sample | Water | | | | N |
| Description | | PHOPHORUS IN TOTAL ORTHOPHOSPHATE MG/L AS P | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------------|--|----------|--------|-----------|--------------|---------|
| 70511 | ORTHOPHOSPHATE IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | ORTHOPHOSPHATE IN SEDIMENT DRY WEIGHT MG/KG AS P | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Phosphorus, orthophosphate as P | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------|-----------------------|--------|--------|-----------|--------------|---------|
| 71210 | ENTEROCOCCI | Sample | Water | | | | N |
| Description | | ENTEROCOCCI NUMBER/ML | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Enterococcus Group Bacteria | #/ml | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|------------------------------------|--------|--------|-----------|--------------|---------|
| 71850 | NITRATE NITROGEN TOTAL | Sample | Water | | | | N |
| Description | | NITRATE NITROGEN TOTAL MG/L AS NO3 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | NO3_ASNO3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|------------------------------------|--------|--------|-----------|--------------|---------|
| 71855 | NITRITE NITROGEN TOTAL | Sample | Water | | | | N |
| Description | | NITRITE NITROGEN TOTAL MG/L AS NO2 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | NO2_AS_NO2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 71880 | FORMALDEHYDE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Formaldehyde | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 71890 | MERCURY DISSOLVED | Sample | Water | | | | N |

Description MERCURY DISSOLVED UG/L AS HG

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Mercury | ug/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 71900 | MERCURY TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 2001Q1 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 2001Q2 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 2001Q3 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 2001Q4 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| LEGACY | Mercury | ug/l | Total | Actual | | | | | UNKNOWN | |

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| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 71920 | MERCURY TOTAL IN SED WET WT | Sample | Sediment | | | | N |

Description MERCURY TOTAL IN SEDIMENT OR PULP WET WEIGHT MG/KG

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Mercury | mg/kg | Total | Actual | | | | | SED_WET | |

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 71921 | MERCURY TOTAL IN SED DRY WT | Sample | Sediment | | | | N |

Description MERCURY TOTAL IN SEDIMENT DRY WEIGHT MG/KG AS HG

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Mercury | mg/kg | Total | Actual | | | | | SED_DRY | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 720 | CYANIDE TOTAL | Sample | Water | | | | N |

Description CYANIDE TOTAL MG/L AS CN

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Cyanide | mg/l | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 72025 | DEPTH OF POND OR RESERVOIR | Field Msr/Obs | Water | | | | N |

Description DEPTH OF POND OR RESERVOIR IN FEET

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Description

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Depth, bottom | ft | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 72034 | FLOW INSTANT. SPILLWAY DISCHRG | Field Msr/Obs | Water | | | | N |

Description INSTANTANEOUS FLOW SPILLWAY DISCHARGE CFS

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Flow | cfs | | Actual | | | | | FLOW_SPLWY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 740 | SULFITE | Sample | Water | | | | N |

Description SULFITE MG/L AS SO3

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Sulfite (SO3) as SO3 | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 745 | SULFIDE TOTAL | Sample | Water | | | | N |

Description SULFIDE TOTAL MG/L AS S

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Sulfide | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 76 | TURBIDITY FTU | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Turbidity | FTU | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 77 | SECCHI TRANSPARENCY INCHES | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Depth, Secchi Disk Depth | in | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 78 | SECCHI TRANSPARENCY | Field Msr/Obs | Water | | | | N |

Citations NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Depth, Secchi Disk Depth | m | | Actual | | | | | WQS SOP | |
| 2001 | Depth, Secchi Disk Depth | m | | Actual | | | | | WQS SOP | |
| LEGACY | Depth, Secchi Disk Depth | m | | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 80 | COLOR TRUE | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2000 | Color, True | PCU | | Actual | | | | | 110.2 | |
| 2001Q1 | Color, True | PCU | | Actual | | | | | 110.2 | |
| 2001Q2 | Color, True | PCU | | Actual | | | | | 110.2 | |
| 2001Q3 | Color, True | PCU | | Actual | | | | | 110.2 | |
| 2001Q4 | Color, True | PCU | | Actual | | | | | 110.2 | |
| LEGACY | Color, True | PCU | | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------|--|--------|--------|-----------|--------------|---------|
| 81647 | REFERENCE POINT READING | Field Msr/Obs | Water | | | | N |
| Description | | MEASUREMENT IN LINEAR FEET FROM A REFERENCE POINT TO WATER SURFACE | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Water level reference point elevation | ft | | Actual | | | | | REF_POINT | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 82 | COLOR AT PH=7.6 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Color, True | ADMI value | | Actual | | | | | CLR_PH76 | |

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| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 82028 | RATIO OF FEC COLI TO FEC STREP | Sample | Water | | | | N |

Description RATION OF FECAL COLIFORM TO FECAL STREPTOCOCCI (CAL)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Coliform/Strep Ratio, Fecal | None | | Calculated | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 82079 | TURBIDITY LAB | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| 2001Q1 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| 2001Q2 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| 2001Q3 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| 2001Q4 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| LEGACY | Turbidity | NTU | Total | Actual | | | | | UNKNOWN | |

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 82242 | ACIDITY TOTAL FIELD | Sample | Water | | | | N |

Description ACIDITY TOTAL FIELD TITRATION MG/L AS CaCO3

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Acidity as CaCO3 | mg/l | Total | Actual | | | | | ACALK_FIELD | |

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| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 82243 | ACIDITY MINERAL FIELD | Sample | Water | | | | N |

Description ACIDITY MINERAL METHYL ORANGE FIELD TITRATION MG/L AS CaCO3

| | | | | | | | | | | |
|---------------|-----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Acidity, Free Mineral (FMA) | mg/l | Total | Actual | | | | | ACALK_FIELD | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 82244 | ALKALINITY PHENOLPHTHLN FIELD | Sample | Water | | | | N |

Description ALKALINITY PHEOLPHTHALEIN FIELD TITRATION MG/L AS CaCO3

| | | | | | | | | | | |
|---------------|--------------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | ALK_PHFIELD | |

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 83 | COLOR AT SAMPLE PH | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| LEGACY | Color, True | ADMI value | | Actual | | | | | CLR_PHSAMP | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 900 | HARDNESS TOTAL | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| 2001Q1 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| 2001Q2 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| 2001Q3 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| LEGACY | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------|--------------------------|--------|--------|-----------|--------------|---------|
| 916 | CALCIUM TOTAL | Sample | Water | | | | N |
| Description | | CALCIUM TOTAL MG/L AS CA | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Calcium | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------------------|--|----------|--------|-----------|--------------|---------|
| 924 | MAGNESIUM TOTAL IN SEDIMENT | Sample | Sediment | | | | N |
| Description | | MAGNESIUM TOTAL IN SEDIMENT MG/KG AS MG DRY WEIGHT | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Magnesium | mg/kg | Total | Actual | | | | | SED_DRY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------|----------------------------|--------|--------|-----------|--------------|---------|
| 927 | MAGNESIUM TOTAL | Sample | Water | | | | N |
| Description | | MAGNESIUM TOTAL MG/L AS MG | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Magnesium | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------|-------------------------|--------|--------|-----------|--------------|---------|
| 929 | SODIUM TOTAL | Sample | Water | | | | N |
| Description | | SODIUM TOTAL MG/L AS NA | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Sodium | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------|---------------------------|--------|--------|-----------|--------------|---------|
| 937 | POTASSIUM TOTAL | Sample | Water | | | | N |
| Description | | POTASSIUM TOTAL MG/L AS K | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Potassium | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------|--|--------|--------|-----------|--------------|---------|
| 94 | SPECIFIC CONDUCTANCE | Field Msr/Obs | Water | | | | N |
| Citations | | NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Specific conductance | umho/cm | Total | Actual | | | | | WQS SOP | |
| 2001 | Specific conductance | umho/cm | Total | Actual | | | | | WQS SOP | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Specific conductance | umho/cm | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 940 | CHLORIDE TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| 2001Q1 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| 2001Q2 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| 2001Q3 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| 2001Q4 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| LEGACY | Chloride | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 945 | SULFATE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 2001Q1 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 2001Q2 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 2001Q3 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| 2001Q4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| LEGACY | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 95 | SPECIFIC CONDUCTANCE LAB | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 950 | FLUORIDE DISSOLVED | Sample | Water | | | | N |

Description FLUORIDE DISSOLVED MG/L AS F

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Fluorides | mg/l | Dissolved | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 951 | FLUORIDE TOTAL | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2000 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 2001Q1 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 2001Q2 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 2001Q3 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 2001Q4 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| LEGACY | Fluorides | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 997 | ARSENIC TOTAL INORGANIC | Sample | Water | | | | N |

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Description ARSENIC TOTAL INORGANIC UG/L AS AS

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEGACY | Arsenic, Inorganic | ug/l | Total | Actual | | | | | UNKNOWN | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 10 | Water Temperature | Field Msr/Obs | Water | | | | N |

Citations WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Temperature, water | deg C | | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 1002 | Arsenic Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| 20041104 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 1007 | Barium Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 1012 | Beryllium Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1027 | Cadmium Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| 20041104 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 1034 | Chromium Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 1037 | Cobalt Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Cobalt | ug/l | Total | Actual | | | | | 200.7(W) | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 1042 | Copper Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| 20041104 | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 1045 | Iron Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 1051 | Lead Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| 20041104 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 1055 | Manganese Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 1067 | Nickel Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 20041104 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1077 | Silver Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Silver | ug/l | Total | Actual | | | | | 272.2 | |
| 20041104 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 1087 | Vanadium Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Vanadium | ug/l | Total | Actual | | | | | 200.7(W) | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 1092 | Zinc Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 1105 | Aluminum Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |

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| | | | | | | | |
|-------------------------|-------------------------------------|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 1147 | Group Name Selenium Total | Field Activity Sample | Medium Water | Intent | Community | Result Group | Habitat N |
|-------------------------|-------------------------------------|---------------------------------|------------------------|---------------|------------------|---------------------|---------------------|

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 20041104 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |

| | | | | | | | |
|-------------------------|--|--|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 1305 | Group Name Detergent Suds Severity | Field Activity Field Msr/Obs | Medium Water | Intent | Community | Result Group | Habitat N |
|-------------------------|--|--|------------------------|---------------|------------------|---------------------|---------------------|

Description Scale 0-4; 0- None, 1- Mild, 2- Moderate, 3- Serious, 4- Extreme

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Floating Detergent/Soap - Severity (Choice List) | | | | | | | | WQS SOP | |

| | | | | | | | |
|-------------------------|---|--|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 1350 | Group Name Turbidity Severity | Field Activity Field Msr/Obs | Medium Water | Intent | Community | Result Group | Habitat N |
|-------------------------|---|--|------------------------|---------------|------------------|---------------------|---------------------|

Description Scale 0-4; 0- None, 1- Mild, 2- Moderate, 3- Serious, 4- Extreme

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Turbidity severity (choice list) | | | | | | | | WQS SOP | |

| | | | | | | | |
|-------------------------|---|--|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID 1351 | Group Name Stream Flow Severity | Field Activity Field Msr/Obs | Medium Water | Intent | Community | Result Group | Habitat N |
|-------------------------|---|--|------------------------|---------------|------------------|---------------------|---------------------|

Description Scale of 1-4; 1-Dry, 2- Low, 3-Normal, 4-Flood

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Flow, severity (choice list) | | | | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|-----------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 20 | Air Temperature | Field Msr/Obs | Air | | | | N | | | |
| Citations | | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Temperature, air | deg C | | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 300 | Dissolved Oxygen | Field Msr/Obs | Water | | | | N | | | |
| Citations | | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 310 | BOD 5 Day | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| 20010313 | BOD, Biochemical oxygen | mg/l | | Actual | | | 5 Day | 20 Deg C | 5210-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------------------|--|--|--|--------------------------------|-----------------------|---------------------|-----------------------|-------------------|---------------------------------------|-----------------------------------|
| | demand | | | | | | | | | |
| Group ID 31504 | Group Name Coliform Total MF | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID 19970101 | Characteristic Name Total Coliform | Unit #/100ml | Sample Fraction Total | Value Type Actual | | | | | Field/Lab Procedure 9222-B | Lab Sample Prep. Procedure |
| Group ID 31616 | Group Name Fecal Coliform MF | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID 19970101 | Characteristic Name Fecal Coliform | Unit #/100ml | Sample Fraction Total | Value Type Actual | | | | | Field/Lab Procedure 9222-D | Lab Sample Prep. Procedure |
| Group ID 32 | Group Name Cloud Cover | | Field Activity Field Msr/Obs | Medium Air | Intent | Community | | | Result Group | Habitat N |
| | Citations | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |
| Row ID MODERN | Characteristic Name Cloud cover | Unit % | Sample Fraction | Value Type Estimated | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure WQS SOP | Lab Sample Prep. Procedure |
| Group ID 32730 | Group Name Phenols | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| 20010330 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 335 | COD low level | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 5220-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 35 | Wind Velocity | Field Msr/Obs | Air | | | | N |

Citations WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Wind velocity | mph | | Estimated | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 36 | Wind Direction from North | Field Msr/Obs | Air | | | | N |

Citations WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Wind direction (direction from, | Deg | | Estimated | | | | | WQS SOP | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------------------|--|--|--|-----------------------------|----------------|------------------|----------------|------------|---------------------------------------|-----------------------------------|
| expressed 0-360 deg) | | | | | | | | | | |
| Group ID 38260 | Group Name MBAS | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID 19970101 | Characteristic Name MBAS (detergents, surfactants) | Unit mg/l | Sample Fraction Total | Value Type Actual | | | | | Field/Lab Procedure 425.1 | Lab Sample Prep. Procedure |
| Group ID 400 | Group Name pH- Field | | Field Activity Field Msr/Obs | Medium Water | Intent | Community | | | Result Group | Habitat N |
| | Citations | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |
| Row ID MODERN | Characteristic Name pH | Unit None | Sample Fraction Total | Value Type Actual | | | | | Field/Lab Procedure WQS SOP | Lab Sample Prep. Procedure |
| Group ID 410 | Group Name Alkalinity Total as CaCO3 | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID 19970101 | Characteristic Name Alkalinity, Carbonate as CaCO3 | Unit mg/l | Sample Fraction Total | Value Type Actual | | | | | Field/Lab Procedure 310.1 | Lab Sample Prep. Procedure |
| Group ID 435 | Group Name Acidity Total as CaCO3 | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|---------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 45 | Precipitation 24 hr | Field Msr/Obs | Air | | | | N | | | |
| Citations | | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |
| Description | | Precipitation in previous 24 hours | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Precipitation | in | | Estimated | | | 24 Hours | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 480 | Salinity | Field Msr/Obs | Water | | | | N | | | |
| Citations | | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Salinity | ppth | Total | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 500 | Residue Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |
| 20010313 | Solids, Total | mg/l | Total | Actual | | | | | 160.3 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 505 | Residue Total Volatile | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Solids, Volatile | mg/l | Total | Actual | | | | | 160.4 | |
| 20010313 | Solids, Volatile | mg/l | Total | Actual | | | | | 160.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 530 | Residue Total Nonfilterable | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.1 | |
| 20010313 | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.2 | |
| 20011025 | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 535 | Residue Volatile Nonfilterable | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | 160.4 | |
| 20010313 | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | 160.4 | |
| 20011025 | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | 160.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 540 | Residue Fixed Nonfilterable | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | 160.4 | |
| 20010313 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | 160.4 | |
| 20011025 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | 160.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 556 | Oil and Grease | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Oil and Grease | mg/l | Total | Actual | | | | | 413.1 | |
| 20010724 | Oil and Grease | mg/l | Total | Actual | | | | | OIL_GREASE | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 61 | Stream Flow- Inst. | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Flow | cfs | | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 610 | Ammonia Nitrogen | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 20010313 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20010330 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 20010724 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 625 | Total Kjeldahl Nitrogen | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 20010313 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 20010330 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| 20010724 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 630 | Nitrate plus Nitrite as N | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 20010313 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 20010330 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 20010724 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| 64 | Mean Depth to Stream | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Depth, bottom | ft | | Actual | Mean | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 65 | Stream Stage | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Stream stage height | ft | | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 665 | Total Phosphorous as P | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 20010313 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 20010330 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| 20010724 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| 680 | Total Organic Carbon | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------------------|---|------|---------------------------------|------------------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| Group ID 70300 | Group Name Total Dissolved Solids | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 20010330 | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1 | |
| Group ID 70507 | Group Name Phosphorus in Total OrthoPO4 | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.2 | |
| 20010724 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | | |
| Group ID 70953 | Group Name Chlorophyll a | | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 20010313 | Chlorophyll a, free of pheophytin | ug/l | | Actual | | | | | 445 | |
| 20010313R2 | Chlorophyll a, free of pheophytin | ug/l | | Actual | | | | | 445 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 71880 | Formaldehyde | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Formaldehyde | ug/l | Total | Actual | | | | | FORMALDEHYDE | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 71900 | Mercury Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 720 | Cyanide Total | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Cyanide | mg/l | Total | Actual | | | | | 335.2 | |
| 20010724 | Cyanide | mg/l | Total | Actual | | | | | 335.2 | |
| 20020422 | Cyanide | mg/l | Total | Actual | | | | | 335.2 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| 72034 | Flow Instant. Spillway Dischar | Field Msr/Obs | Water | | | | N | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Flow | cfs | | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 78 | Secchi Transparency | Field Msr/Obs | Water | | | | N | | | |
| Citations | | WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Depth, Secchi Disk Depth | m | | Actual | | | | | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 80 | Color True | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Color, True | PCU | | Actual | | | | | 110.2 | |
| 20010313 | Color, True | PCU | Total | Actual | | | | | 110.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|-------------------------|--|--------|--------|-----------|--------------|---------|--|--|--|
| 81647 | Reference Point Reading | Field Msr/Obs | Water | | | | N | | | |
| Description | | Measurement in linear ft from a Reference Point to Water Surface | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Water level reference point elevation | ft | | Actual | | | | | WQS SOP | |

Characteristic Group Details

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21NC02WQ

NCDENR-DWQ (2nd)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 82 | Color at pH=7.6 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Color, True | ADMI value | | Actual | | | | | COLOR_PH7.6 | |
| 20010313 | Color, True | ADMI value Total | | Actual | | | | | COLOR_PH7.6 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 82079 | Turbidity Lab | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 82244 | Alkalinity Field | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | ACALK_FIELD | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 83 | Color at Sample pH | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Color, True | ADMI value | | Actual | | | | | COLOR_SAMP LE PH | |

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21NC02WQ

NCDENR-DWQ (2nd)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------------|--------------------------------------|---------------------------------|------------------------|---------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| 20010313 | Color, True | ADMI value | Total | Actual | | | | | COLOR_SAMP LE PH | |
| Group ID 900 | Group Name Hardness Total | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| 20011025 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | HARDNESS_C AL | |
| Group ID 916 | Group Name Calcium Total | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20010313 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| Group ID 927 | Group Name Magnesium Total | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19970101 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 20010313 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |

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NCDENR-DWQ (2nd)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 929 | Sodium Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| 94 | Specific Conductance | Field Msr/Obs | Water | | | | N |

Citations WQS SOP - NC DWQ Water Quality Section, 1996, Standard Operating Procedures Manual Physical and Chemical Monitoring, NC DWQ Water Quality Section, All

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MODERN | Specific conductance | umho/cm | Total | Actual | | | | 25 Deg C | WQS SOP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 940 | Chloride Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| 20030220 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 945 | Sulfate Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |

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NCDENR-DWQ (2nd)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20070321 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 95 | Specific Conductance Lab | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 120.1 | |
| 20010313 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 120.1 | |
| 20010330 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 120.1 | |
| 20010724 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 120.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 951 | Fluoride Total | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19970101 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |
| 20020613 | Fluorides | mg/l | Total | Actual | | | | | 340.2 | |

Characteristic Group Details

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21NCBCH

North Carolina Shellfish Sanitation Section

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| NCBCG01 | NC Basic Characteristic Infor | Sample | Water | | | | N |
| Citations | ASTMD6503-99 - IDEXX, 2004, Enterolert testing method for enterococcus bacteria, coastal recreational water quality, IDEXX, 12 111 | | | | | | |
| Description | Enterococcus is the bacterial indicator used for issuing advisories. | | | | | | |

Characteristic Group Details

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21NDHDWQ

North Dakota Department of Health

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| HGHAB | High Gradient Habitat Assess | Field Msr/Obs | | | | | Y |

Citations USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002

| Row ID | Characteristic Name | Description |
|--------|--------------------------------|---------------|
| 1 | Epifaunal Sub/Available Cover | High Gradient |
| 10 | Veg Protection (Left Bank) | High Gradient |
| 11 | Veg Protection (Right Bank) | High Gradient |
| 12 | Rip Veg Zone Width (Left Bank) | High Gradient |
| 13 | Rip Veg Zone Width Right Bank | High Gradient |
| 2 | Embeddedness | High Gradient |
| 3 | Instream Cover (Fish) | High Gradient |
| 4 | Sediment Deposition | High Gradient |
| 5 | Channel Flow Status | High Gradient |
| 6 | Channel Alteration | High Gradient |
| 7 | Frequency of Riffles (Bends) | High Gradient |
| 8 | Bank Stability (Left Bank) | High Gradient |
| 9 | Bank Stability (Right Bank) | High Gradient |

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| LGHAB | Low Gradient Habitat Assess | Field Msr/Obs | | | | | Y |

Citations USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002

| Row ID | Characteristic Name | Description |
|--------|-------------------------------|--------------|
| 14 | Epifaunal Sub/Available Cover | Low Gradient |
| 15 | Pool Sub Characterization | Low Gradient |
| 16 | Pool Variability | Low Gradient |
| 17 | Sediment Deposition | Low Gradient |

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21NDHDWQ **North Dakota Department of Health**

| Row ID | Characteristic Name | Description |
|--------|--------------------------------|--------------|
| 18 | Channel Flow Status | Low Gradient |
| 19 | Channel Alteration | Low Gradient |
| 20 | Channel Sinuosity | Low Gradient |
| 21 | Bank Stability (Left Bank) | Low Gradient |
| 22 | Bank Stability (Right Bank) | Low Gradient |
| 23 | Veg Protection (Left Bank) | Low Gradient |
| 24 | Veg Protection (Right Bank) | Low Gradient |
| 25 | Rip Veg Zone Width (Left Bank) | Low Gradient |
| 26 | Rip Veg Zone Width Right Bank | Low Gradient |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NITROGEN | Total Nitrogen | Sample | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| DISS N | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Dissolved | Actual | | | | | UNKOWN | |
| TOTAL N | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | UNKOWN | |

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Nebraska Dept. of Environmental Quality

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| AMBPEST | Amb. Stream Chemical Methods | Sample | Water | | | | N |

Citations John Bender, 1998, DEQ SOP, NDEQ, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--------------------------------|--------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| ATRAZINE | Atrazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| CONDUCT | Specific conductance | umho/cm | Total | Actual | Maximum | | | | 120.1 | |
| | Acceptable Range | 0.00000 - 25,000.00000 umho/cm | | | | | | | | |
| CYANAZIN | Cyanazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| DO2 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Maximum | | | | 360.2 | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| FECAL | Fecal Coliform | cfu/100ml | Filterable | Estimated | | | | | F488 | 200.2 |
| | Acceptable Range | 0.00000 - 10,000,000.00000 cfu/100ml | | | | | | | | |
| METOLACH | Metolachlor | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500.00000 ug/l | | | | | | | | |
| PH | pH | None | Total | Actual | Maximum | | | | 150.1 | |
| | Acceptable Range | 0.00000 - 12.00000 None | | | | | | | | |
| TEMPC | Temperature, water | deg C | | Actual | Maximum | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 150.00000 deg C | | | | | | | | |
| TSS | Solids, Fixed | mg/l | Total | Actual | Maximum | | | | 160.2 | 200.2 |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BACTPEST | Bacteria & Pesticide Sampling | Sample | Water | | | | N |

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Nebraska Dept. of Environmental Quality

Citations John Bender, 1998, DEQ SOP, NDEQ, 1
Description Ambient bacteria and pesticide sampling

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALACHLOR | Alachlor | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.05000 - 100,000.00000 ug/l | | | | | | | | |
| ATRAZINE | Atrazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.05000 - 500,000.00000 ug/l | | | | | | | | |
| CYANAZIN | Cyanazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.05000 - 500,000.00000 ug/l | | | | | | | | |
| ENTEROCO | Enterococcus Group Bacteria | #/100ml | Filterable | Estimated | Maximum | | | | 1106_1 | 200.2 |
| | Acceptable Range | 0.00000 - 20,000,000.00000 #/100ml | | | | | | | | |
| FECAL | Fecal Coliform | #/100ml | Filterable | Estimated | | | 96 Hours | 25 Deg C | F488 | 200.2 |
| | Acceptable Range | 0.00000 - 10,000,000.00000 #/100ml | | | | | | | | |
| METOLACH | Metolachlor | ug/l | Total | Actual | Maximum | | | | 525.2 | P-010-1 |
| | Acceptable Range | 0.00000 - 500.00000 ug/l | | | | | | | | |
| TURBIDITY | Turbidity | NTU | Total | Actual | Maximum | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|--|------------|-----------------|-------------|-------------------------------|---------|
| BIOLOGIC | Biological Sample methods | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |
| | Citations | USEPA, 1993, Fish Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters., USEPA, EPA 600/R-92-111 | | | | | |
| | Description | Fish and Macroinvertebrate sampling in streams of Nebraska | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|--|--------|--------|-----------|--------------|---------|
| BPST2001 | Bacteria & Pesticides 2001 | Sample | Water | | | | N |
| | Description | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALACHLOR | Alachlor Acceptable Range | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| ATRAZINE | Atrazine Acceptable Range | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| CONDUCT | Specific conductance Acceptable Range | umho/cm | Total | Actual | Maximum | | | | 120.1 | |
| DO | Dissolved oxygen (DO) Acceptable Range | mg/l | Dissolved | Actual | Maximum | | | | 360.2 | |
| METOLACHLOR | Metolachlor Acceptable Range | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| PH | pH Acceptable Range | None | Total | Actual | Maximum | | | | 150.1 | |
| TEMPC | Temperature, water Acceptable Range | deg C | | Actual | Maximum | Wet | | | 170.1 | |
| TURBIDITY | Turbidity Acceptable Range | NTU | Total | Actual | Maximum | | | | 180.1 | 3510-C |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|------------|-----------------|----------------------------|--------------------------|---------|
| BUGS | Bugs Benthic | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Single Taxon Individuals | N |
| | Citations | USEPA, 1990, Macroinvertebrate field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters., USEPA, EPA 600/4-90-030 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LIFESTAG | Lifestage (choice list) | | | | | | | | | |
| SEX | Sex (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELDDBAC | Bacteria & Pesticide in Field | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CONDUCT | Specific conductance Acceptable Range | umho/cm | Total | Actual | Maximum | | | | 120.1 | |
| DISCHARG | Flow Acceptable Range | cfs | | Calculated | Maximum | | | | DISCHARGE | |
| DO2 | Dissolved oxygen (DO) Acceptable Range | mg/l | Dissolved | Actual | Maximum | | | | 360.2 | |
| PH | pH Acceptable Range | None | Total | Actual | | | | | 150.1 | |
| TEMPC | Temperature, water Acceptable Range | deg C | | Actual | Maximum | | | | 170.1 | |
| TURBIDITY | Turbidity Acceptable Range | NTU | Total | Actual | Maximum | | | | 180.1 | |
| WINDDIR | Wind direction (direction from, expressed 0-360 deg) Acceptable Range | Deg | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| GENERIC | DEQ PARAMETER CHARACTERISTICS | Sample | Water | | | | N |

Citations SURFACE WATER SECTION, 1995, S.O.P. on the Development of Data Quality Objectives., Nebraska Department of Environmental Quality, 1
Description This group was created by saving the Characteristics defined for the backlog of data from 1998-2003. Should contain all characteristics used during that time. Made on September 23, 2004 by Dave Ihrle.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2,4-D | 2,4-D, Dichlorophenoxyacetic acid Acceptable Range | ug/l | Dissolved | Estimated | Maximum | | | | 525.2 | |
| ALACHLOR | Alachlor Acceptable Range | ug/l | Total | Actual | | | | | | 200.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKALINITY | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Maximum | | | | 310.1 | 200.2 |
| | Acceptable Range | 0.00000 - 20,000.00000 mg/l | | | | | | | | |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | Maximum | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| ARSENIC | Arsenic | ug/l | Dissolved | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| ATRAZINE | Atrazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| CADMIUM | Cadmium | ug/l | Total | Actual | | | | | 213.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| CALCIUM | Calcium | mg/l | Dissolved | Actual | | | | | 215.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |
| CHLOR A | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Calculated | Maximum | | | | 10200-H | CHLOROPHYLL A |
| | Acceptable Range | 0.00000 - 25,000,000.00000 mg/m3 | | | | | | | | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |
| CONDUCT | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |
| | Acceptable Range | 0.00000 - 25,000.00000 umho/cm | | | | | | | | |
| CYANAZIN | Cyanazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| DEPTHFT | Depth | ft | | Actual | Maximum | | | | | |
| | Acceptable Range | 0.00000 - 250.00000 ft | | | | | | | | |
| DISCHARG | Flow | cfs | | Actual | | | | | DISCHARGE | |
| | Acceptable Range | 0.00000 - 2,000,000.00000 cfs | | | | | | | | |
| DO2 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Maximum | | | | 360.2 | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| ELEVATIO | Elevation, MSL | ft | | Actual | Maximum | | | | EPA1990MACR OFLD | |
| | Acceptable Range | 0.00000 - 250,000.00000 ft | | | | | | | | |

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Nebraska Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| E_COLI | Escherichia | cfu/100ml | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 2,000,000.00000 cfu/100ml | | | | | | | | |
| FECAL | Fecal Coliform | cfu/100ml | Filterable | Estimated | | | | | F488 | 200.2 |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfu/100ml | | | | | | | | |
| KJELDAHL | Nitrogen, Kjeldahl | mg/l | Total | Actual | Maximum | | | | 351.2 | 200.2 |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| MAGNESIUM | Magnesium | mg/l | Total | Actual | | | | | 242.1 | |
| METOLACH | Metolachlor | ug/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| NH3 | Nitrogen, Ammonia + Organic | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| ORTHOPH | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.5 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| P | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | Maximum | | | | 150.1 | |
| | Acceptable Range | 1.00000 - 12.00000 None | | | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | Maximum | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |
| TEMPC | Temperature, water | deg C | | Actual | Maximum | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 150.00000 deg C | | | | | | | | |
| TSS | Solids, Fixed | mg/l | Suspended | Actual | Maximum | | | | 160.2 | 200.2 |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|---|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LAKES | Lake Parameters | Sample | Water | | | | N | | | |
| Citations | | SURFACE WATER SECTION, 1995, S.O.P. on the Development of Data Quality Objectives., Nebraska Department of Environmental Quality, 1 | | | | | | | | |
| Description | | Common methods used for lake samples and analysis | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2,4-D | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| ALACHLOR | Alachlor | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| ALKALIN | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | Maximum | | | | 310.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| ATRAZINE | Atrazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| CHLORA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Filterable | Calculated | Maximum | | | | 10200-H | CHLOROPHYLL A |
| | Acceptable Range | 0.00000 - 25,000,000.00000 mg/m3 | | | | | | | | |
| CONDUCT | Specific conductance | umho/cm | Total | Actual | Maximum | | | | 120.1 | |
| | Acceptable Range | 0.00000 - 25,000.00000 umho/cm | | | | | | | | |
| CYANAZIN | Cyanazine | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| DEPTH | Depth | ft | | Actual | Maximum | | | | | |
| | Acceptable Range | 0.00000 - 250.00000 ft | | | | | | | | |
| DO2 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Maximum | | | | 360.2 | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| ELEVATIO | Elevation, MSL | ft | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 250,000.00000 ft | | | | | | | | |
| E_COLI | Escherichia | cfu/100ml | | Estimated | | | | | | |
| | Acceptable Range | 0.00000 - 2,000,000.00000 cfu/100ml | | | | | | | | |
| FECAL | Fecal Coliform | cfu/100ml | Filterable | Estimated | | | | | F488 | 200.2 |
| | Acceptable Range | 0.00000 - 10,000,000.00000 cfu/100ml | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| KJELD | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.00000 - 100.00000 mg/l | Total | Actual | Maximum | | | | 351.2 | |
| NH3 | Nitrogen, ammonia (NH3) as NH3 Acceptable Range | mg/l 0.00000 - 5,000,000.00000 mg/l | Total | Actual | Maximum | | | | 350.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N Acceptable Range | mg/l 0.00000 - 500.00000 mg/l | Total | Actual | | | | | 353.2 | |
| ORTHOPHO | Phosphorus, orthophosphate as P Acceptable Range | mg/l 0.00000 - 500.00000 mg/l | Dissolved | Actual | | | | | 365.5 | |
| P | Phosphorus as P Acceptable Range | mg/l 0.00000 - 500.00000 mg/l | Total | Actual | Maximum | | | | 365.4 | |
| PH | pH Acceptable Range | None 0.00000 - 12.00000 None | Total | Actual | Maximum | | | | 150.1 | |
| SECCHI | Depth, Secchi Disk Depth Acceptable Range | m 0.00000 - 100.00000 m | | Actual | Maximum | | | | | |
| TEMPC | Temperature, water Acceptable Range | deg C 0.00000 - 150.00000 deg C | | Actual | Maximum | | | | 170.1 | |
| TSS | Solids, Fixed Acceptable Range | mg/l 0.00000 - 5,000,000.00000 mg/l | Settleable | Actual | Maximum | | | | 160.2 | 200.2 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------|-------------------------------------|--------|--------|-----------|--------------|---------|
| LEGACY | Old STORET Data | Sample | Water | | | | N |
| Citations | | John Bender, 1998, DEQ SOP, NDEQ, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 10 | Temperature, water | deg C | | Actual | | | | | | |
| 1000 | Arsenic | ug/l | Dissolved | Actual | | | | | 206.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1001 | Arsenic | ug/l | Suspended | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1002 | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1003 | Arsenic | mg/kg | Total Recovrble | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/kg | | | | | | | | |
| 1004 | Arsenic | mg/kg | Total Recovrble | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/kg | | | | | | | | |
| 1007 | Barium | ug/l | Total | Actual | | | | | 208.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1008 | Barium | mg/kg | Total Recovrble | Actual | | | | | 208.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/kg | | | | | | | | |
| 1010 | Beryllium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 1012 | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| 1013 | Beryllium | mg/kg | Total Recovrble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/kg | | | | | | | | |
| 1018 | Iron | mg/kg | Total Recovrble | Actual | | | | | 236.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/kg | | | | | | | | |
| 1020 | Boron | mg/l | Dissolved | Actual | | | | | 212.3 | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |
| 1022 | Boron | ug/l | Total | Actual | | | | | 212.3 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| 1024 | Chromium | mg/kg | Total Recovrble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/kg | | | | | | | | |
| 1025 | Cadmium | ug/l | Dissolved | Actual | | | | | 213.1 | |

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|--------|-------------------------|------------------------------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1027 | Cadmium | ug/l | Total | Actual | | | | | 213.1 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1029 | Chromium | mg/kg | Total Recovrble | Actual | | | | | 7190 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/kg | | | | | | | | |
| 1030 | Chromium | ug/l | Dissolved | Actual | | | | | 7190 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| 1032 | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | 7190 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1034 | Chromium | ug/l | Total | Actual | | | | | 7190 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 1035 | Cobalt | ug/l | Dissolved | Actual | | | | | | |
| 1037 | Cobalt | ug/l | Total | Actual | | | | | | |
| 1038 | Cobalt | mg/kg | Total Recovrble | Actual | | | | | | |
| 1039 | Copper | mg/kg | Total Recovrble | Actual | | | | | 220.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/kg | | | | | | | | |
| 1040 | Copper | ug/l | Dissolved | Actual | | | | | 220.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| 1042 | Copper | ug/l | Total | Actual | | | | | 220.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 ug/l | | | | | | | | |
| 1043 | Copper | mg/kg | Total Recovrble | Actual | | | | | | |
| 1045 | Iron | ug/l | Total | Actual | | | | | | |
| 1046 | Iron | ug/l | Dissolved | Actual | | | | | | |
| 1049 | Lead | ug/l | Dissolved | Actual | | | | | | |
| 1051 | Lead | ug/l | Total | Actual | | | | | | |
| 1052 | Lead | mg/kg | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | | | Recovrble | | | | | | | |
| 1053 | Manganese | mg/kg | Total | Actual | | | | | | |
| | | | Recovrble | | | | | | | |
| 1055 | Manganese | ug/l | Total | Actual | | | | | | |
| 1056 | Manganese | ug/l | Dissolved | Actual | | | | | | |
| 1057 | Thallium | ug/l | Dissolved | Actual | | | | | | |
| 1059 | Thallium | ug/l | Total | Actual | | | | | | |
| 1060 | Molybdenum | ug/l | Dissolved | Actual | | | | | | |
| 1062 | Molybdenum | ug/l | Total | Actual | | | | | | |
| 1065 | Nickel | ug/l | Dissolved | Actual | | | | | | |
| 1067 | Nickel | ug/l | Total | Actual | | | | | | |
| 1068 | Nickel | mg/kg | Total | Actual | | | | | | |
| | | | Recovrble | | | | | | | |
| 1069 | Nickel | mg/l | Total | Actual | | | | | | Wet |
| | | | Recovrble | | | | | | | |
| 1073 | Thallium | mg/kg | Total | Actual | | | | | | Wet |
| | | | Recovrble | | | | | | | |
| 1074 | Nickel | ug/l | Total | Actual | | | | | | |
| | | | Recovrble | | | | | | | |
| 1075 | Silver | ug/l | Dissolved | Actual | | | | | | |
| 1077 | Silver | ug/l | Total | Actual | | | | | | |
| 1078 | Silver | mg/kg | Total | Actual | | | | | | Dry |
| | | | Recovrble | | | | | | | |
| 1079 | Silver | ug/l | Total | Actual | | | | | | |
| | | | Recovrble | | | | | | | |
| 1085 | Vanadium | ug/l | Dissolved | Actual | | | | | | |
| 1087 | Vanadium | ug/l | Total | Actual | | | | | | |
| 1090 | Zinc | ug/l | Dissolved | Actual | | | | | | |
| 1092 | Zinc | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1093 | Zinc | mg/kg | Total Recovrble | Actual | | | | | | |
| 1094 | Zinc | ug/l | Total Recovrble | Actual | | | | | | |
| 1095 | Antimony | ug/l | Dissolved | Actual | | | | | | |
| 1097 | Antimony | ug/l | Total | Actual | | | | | | |
| 1098 | Antimony | mg/kg | Total Recovrble | Actual | | Wet | | | | |
| 1099 | Antimony | mg/kg | Total Recovrble | Actual | | | | | | |
| 11 | Temperature, water | deg F | | Actual | | | | | | |
| 1100 | Tin | ug/l | Dissolved | Actual | | | | | | |
| 1104 | Aluminum | ug/l | Total Recovrble | Actual | | | | | | |
| 1105 | Aluminum | ug/l | Total | Actual | | | | | | |
| 1106 | Aluminum | ug/l | Dissolved | Actual | | | | | | |
| 1108 | Aluminum | mg/kg | Total Recovrble | Actual | | Dry | | | | |
| 1113 | Cadmium | ug/l | Total Recovrble | Actual | | | | | | |
| 1114 | Lead | ug/l | Total Recovrble | Actual | | | | | | |
| 1119 | Copper | ug/l | Total Recovrble | Actual | | | | | | |
| 1123 | Manganese | ug/l | Total Recovrble | Actual | | | | | | |
| 1127 | Germanium | ug/l | Total | Actual | | | | | | |
| 1129 | Molybdenum | ug/l | Total Recovrble | Actual | | | | | | |
| 1132 | Lithium | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1145 | Selenium | ug/l | Dissolved | Actual | | | | | | |
| 1147 | Selenium | ug/l | Total | Actual | | | | | | |
| 1148 | Selenium | mg/kg | Total Recovrble | Actual | | Dry | | | | |
| 1149 | Selenium | mg/kg | Total Recovrble | Actual | | Wet | | | | |
| 1150 | Titanium | ug/l | Dissolved | Actual | | | | | | |
| 1152 | Titanium | ug/l | Total | Actual | | | | | | |
| 1153 | Titanium | mg/kg | Total Recovrble | Actual | | Dry | | | | |
| 1170 | Iron | mg/kg | Total Recovrble | Actual | | | | | | |
| 1229 | Selenium | ug/kg | Total | Actual | | Dry | | | | |
| 1300 | Oil and Grease | mg/l | Dissolved | Actual | | | | | | |
| 1305 | Floating Detergent/Soap - Severity (Choice List) | | | | | | | | | |
| 1310 | Gas bubble severity (choice list) | | | | | | | | | |
| 1315 | Sludge, floating - severity (choice list) | | | | | | | | | |
| 1325 | Algae, floating mat - severity (choice list) | | | | | | | | | |
| 1335 | Floating solids, unspecified mix (choice list) | | | | | | | | | |
| 1350 | Turbidity severity (choice list) | | | | | | | | | |
| 1351 | Flow, severity (choice list) | | | | | | | | | |
| 1355 | Ice cover, floating or solid - severity (choice list) | | | | | | | | | |
| 1501 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | | |
| 1503 | Gross alpha radioactivity, | pCi/L | Dissolved | Actual | | | | | | |

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|--------|------------------------------------|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (Thorium-230 ref std) | | | | | | | | | |
| 20 | Temperature, air | deg C | | Actual | | | | | | |
| 23 | Weight | lb | | Actual | | | | | | |
| 24 | Length | in | | Actual | | | | | | |
| 29501 | Manganese-54 | mg/l | | Actual | | | | | | |
| 300 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 301 | Dissolved oxygen saturation | % | | Actual | | | | | | |
| 304 | BOD, Biochemical oxygen demand | mg/l | | Actual | Mean | | 5 Day | | 405.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| 310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | 5 Day | | 405.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| 31501 | Fecal Coliform | cfu/100ml | | Actual | | | | | F488 | |
| | Acceptable Range | 0.00000 - 2,000,000.00000 cfu/100ml | | | | | | | | |
| 31505 | Fecal Coliform | #/100ml | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| 316 | BOD, Biochemical oxygen demand | mg/l | | Actual | Mean | | | | 405.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| 31615 | Fecal Coliform | #/100ml | | Actual | | | | | F488 | |
| 31616 | Fecal Coliform | cfu/100ml | | Actual | | | | | F488 | |
| 31673 | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | F488 | |
| | Acceptable Range | 0.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| 31679 | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | F488 | |
| | Acceptable Range | 0.00000 - 5,000,000.00000 #/100ml | | | | | | | | |
| 32 | Cloud cover | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |

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|--------|--|---------------------------------------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 320 | BOD, ultimate first stage Acceptable Range | mg/l 0.00000 - 500,000.00000 mg/l | | Actual | | | | | 405.1 | |
| 325 | Deoxygenation constant Acceptable Range | None 0.00000 - 500.00000 None | | Actual | | | | | | |
| 335 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 340 | COD ***retired*** (use COD, Chemical Oxygen Demand) Acceptable Range | mg/l 0.00000 - 50,000.00000 mg/l | Total | Actual | | Wet | | | 410_M(B) | |
| 34684 | Dieldrin | mg/kg | | Actual | | Dry | | | | |
| 34685 | Endrin | mg/kg | | Actual | | Wet | | | | |
| 34687 | Heptachlor | mg/kg | | Actual | | Wet | | | | |
| 34691 | Toxaphene | mg/kg | Total | Actual | | Wet | | | | |
| 3503 | Gross beta radioactivity, (Cesium-137 ref std) Acceptable Range | pCi/L 0.00000 - 50,000.00000 pCi/L | Dissolved | Actual | | | | | | |
| 3818 | Octachlorodibenzodioxin, 1,2,3,4,6,7,8,9- | pg/g | Total Recovrble | Actual | | | | | | |
| 3819 | Dichloropropane, 1,2- | pg/g | Total Recovrble | Actual | | | | | | |
| 38260 | MBAS (detergents, surfactants) Acceptable Range | % 0.00000 - 5,000.00000 % | Total | Actual | | | | | | |
| 3875 | Chromium Acceptable Range | mg/kg 0.00000 - 50,000.00000 mg/kg | Total Recovrble | Actual | | Wet | | | 7190 | |
| 39074 | BHC-alpha Acceptable Range | ug/g 0.00000 - 50,000.00000 ug/g | Total | Actual | | Wet | | | | |
| 3908 | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | | |
| 400 | pH Acceptable Range | None 0.00000 - 12.00000 None | Total | Actual | | | | | 150.1 | |

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|--------|--------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4005 | Metolachlor | mg/kg | Total Recovrble | Actual | | | | | | |
| 4006 | Alachlor | mg/kg | Dissolved | Actual | | | | | | |
| 4027 | Carboxin | ug/l | Dissolved | Actual | | | | | | |
| 403 | pH | None | | Actual | | | | | 4500-H | |
| | Acceptable Range | 0.00000 - 12.00000 | None | | | | | | | |
| 4035 | Simazine | ug/l | Dissolved | Actual | | | | | | |
| 4036 | Prometryn | ug/l | Dissolved | Actual | | | | | | |
| 4037 | Prometone | ug/l | Dissolved | Actual | | | | | | |
| 4038 | Desisopropyl atrazine | ug/l | Dissolved | Actual | | | | | | |
| 4040 | Desethyl atrazine | ug/l | Dissolved | Actual | | | | | | |
| 4041 | Cyanazine | ug/l | Dissolved | Actual | | | | | | |
| 410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 310.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 | mg/l | | | | | | | |
| 415 | Alkalinity, Carbonate as CaCO3 | mg/l | Dissolved | Actual | | | | | 310.1 | |
| 4257 | Aldicarb sulfone | ug/l | Dissolved | Actual | | | | | | |
| 4258 | Hydroxycarbofuran, 3- | ug/l | Total | Actual | | | | | | |
| 4260 | Aldicarb sulfoxide | ug/l | Total | Actual | | | | | | |
| 440 | Bicarbonate | mg/l | | Actual | | | | | 160.1 | |
| 445 | Carbonate ion (CO3-2) | mg/l | Dissolved | Actual | | | | | 310.2 | |
| 46570 | Hardness, Ca + Mg | mg/l | Dissolved | Actual | Maximum | | | | 242.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 | mg/l | | | | | | | |
| 500 | Solids, Fixed | mg/l | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 | mg/l | | | | | | | |
| 505 | Solids, Fixed | mg/ml | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 5,000,000.00000 | mg/ml | | | | | | | |
| 530 | Solids, Fixed | mg/l | | Actual | | | | | 160.2_M | |
| | Acceptable Range | 0.00000 - 5,000,000.00000 | mg/l | | | | | | | |
| 535 | Solids, Fixed | mg/l | | Actual | | | | | 160.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------------|-----------------|------------|----------------------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 5,000,000.00000 mg/l | | | | | | | | |
| 545 | Solids, Fixed | mg/l | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 5,000,000.00000 mg/l | | | | | | | | |
| 547 | Solids, Fixed | mg/l | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 5,000,000.00000 mg/l | | | | | | | | |
| 60 | Flow | cfs | | Actual | Mean | | 1 Day | | DISCHARGE | |
| 61 | Flow | cfs | | Actual | Mean | | | | DISCHARGE | |
| | Acceptable Range | 0.00000 - 2,000,000.00000 cfs | | | Particle Size Basis | | N/A | | | |
| 610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | | |
| 612 | Ammonia, unionized | mg/l | | Actual | | | | | | |
| 615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | | |
| 618 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| 619 | Ammonia, unionized | mg/l | | Actual | | | | | | |
| 620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| 621 | Nitrogen, Nitrate (NO3) as NO3 | mg/kg | | Actual | | Dry | | | | |
| 624 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| 625 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| 627 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| 630 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| 631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| 635 | Nitrogen, Ammonia + Organic | mg/l | | Actual | | | | | | |
| 640 | Nitrogen, inorganic | mg/l | | Actual | | | | | | |
| 650 | Phosphate | mg/l | | Actual | | | | | | |
| 653 | Phosphate | mg/l | | Actual | | | | | | |
| 655 | Phosphorus, polyphosphate as PO4 | mg/l | | Actual | | | | | | |
| 660 | Phosphorus, orthophosphate as | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | PO4 | | | | | | | | | |
| 665 | Phosphorus as P | mg/l | | Actual | | | | | | |
| 666 | Phosphorus as P | mg/l | | Actual | | | | | | |
| 668 | Phosphorus as P | mg/kg | | Actual | | | | | | |
| 671 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | | |
| 678 | Phosphorus, hydrolyzable plus orthophosphate as P | mg/l | | Actual | | | | | | |
| 68 | Depth, bottom | ft | | Actual | | | | | | |
| 680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |
| 681 | Carbon, organic | mg/l | Pot. Dissolved | Actual | | | | | | |
| 687 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | | |
| 697 | Acetic acid | mg/l | | Actual | | | | | | |
| 70 | Turbidity | JTU | Total | Actual | Maximum | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 JTU | | | | | | | | |
| 700 | Acetic acid | mg/l | | Actual | | | | | | |
| 70300 | Solids, Fixed | mg/l | Total | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |
| 70301 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| 7050 | Calcium-45 | pCi/L | Dissolved | Actual | | | | | | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | | |
| 71845 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | | |
| 71851 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| 720 | Cyanide | mg/l | | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| 72030 | Elevation, water surface, MSL | ft | | Actual | | | | | | |
| | Acceptable Range | - 26,500.00000 ft | | | | | | | | |
| 723 | Cyanide | ug/l | | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| 76 | Turbidity | FTU | | Actual | Maximum | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 FTU | | | | | | | | |
| 77 | Depth, Secchi Disk Depth | in | | Actual | Maximum | | | | | |
| 79178 | Pcb-aroclor 1242 | mg/kg | Total Recovrble | Actual | | Dry | | | 1618 | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/kg | | | | | | | | |
| 79179 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 1618 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 79183 | Pcb-aroclor 1260 | ug/kg | Total Recovrble | Actual | | | | | 1618 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/kg | | | | | | | | |
| 81896 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 5,000.00000 ug/l | | | | | | | | |
| 81987 | Particle distribution | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| 82028 | Coliform/Strep Ratio, Fecal | #/100ml | Total | Actual | Maximum | | | | F488 | |
| | Acceptable Range | 0.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| 900 | Hardness, Ca + Mg | mg/l | | Actual | | | | | 242.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |
| 901 | Hardness, carbonate | mg/l | | Actual | | | | | | |
| 902 | Hardness, non-carbonate | mg/l | | Actual | | | | | | |
| 910 | Calcium as CaCO3 | mg/l | | Actual | | | | | | |
| 915 | Calcium | mg/l | Dissolved | Actual | | | | | | |
| 916 | Calcium | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 920 | Magnesium | mg/l | Dissolved | Actual | | | | | | |
| 925 | Magnesium | mg/l | Dissolved | Actual | | | | | | |
| 927 | Magnesium | mg/l | Total | Actual | | | | | | |
| 929 | Sodium | mg/l | Total | Actual | | | | | | |
| 930 | Sodium | mg/l | Dissolved | Actual | | | | | | |
| 931 | Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)] | mg/l | | Actual | | | | | | |
| 932 | Sodium | % | Total | Actual | | | | | | |
| 935 | Potassium | mg/l | Dissolved | Actual | | | | | | |
| 937 | Potassium | mg/l | Total | Actual | | | | | | |
| 938 | Potassium | mg/kg | | Actual | | | | | | |
| 94 | Specific conductance | umol/m2/s | | Actual | | | | | | |
| 940 | Chloride | mg/l | Total | Actual | | | | | | |
| 941 | Chloride | mg/l | Dissolved | Actual | | | | | | |
| 945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| 946 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | | |
| 95 | Specific conductance | uS/cm | | Actual | | | | | | |
| 950 | Fluorides | mg/l | Dissolved | Actual | | | | | | |
| 9503 | Radium-226 | pCi/L | Dissolved | Actual | | | | | | |
| 951 | Fluorides | mg/l | Total | Actual | | | | | | |
| 955 | Silica | mg/l | Dissolved | Actual | | | | | | |
| 956 | Silica | mg/l | Total | Actual | | | | | | |
| 960 | Barite | | | Actual | | | | | | |
| 980 | Iron | ug/l | Total Recovrble | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METALS | Metals for 98-03 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | Maximum | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |
| ARSENIC | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| CADMIUM | Cadmium | ug/l | Dissolved | Actual | Maximum | | | | 213.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| CHLORIDE | Chloride | mg/l | Total | Actual | Maximum | | | | | |
| | Acceptable Range | 0.00000 - 5,000,000.00000 mg/l | | | | | | | | |
| CHROMEHEX | Chromium, hexavalent | ug/l | Dissolved | Actual | Maximum | | | | 7190 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| CHROMIUM | Chromium | ug/l | Total | Actual | Maximum | | | | 7190 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| COPPER | Copper | ug/l | Dissolved | Actual | Maximum | | | | 220.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| LEAD | Lead | ug/l | Dissolved | Actual | Maximum | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| NICKEL | Nickel | ug/l | Dissolved | Actual | Maximum | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| NITROGEN | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | Maximum | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| PHOSPHORUS | Phosphorus as P | mg/l | Total | Actual | Maximum | | | | | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| SELENIUM | Selenium | ug/l | Dissolved | Actual | Maximum | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 50,000.00000 ug/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | Maximum | | | | | |
| | Acceptable Range | 0.00000 - 500,000.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TSS | Solids, Fixed Acceptable Range | mg/l | Total | Actual | Maximum | | | | 160.2_M | |
| ZINC | Zinc Acceptable Range | ug/l | Dissolved | Actual | Maximum | | | | 289.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| WETLAND | WETLANDS PROCEDURES | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALACHLOR | Alachlor Acceptable Range | ug/l | Dissolved | Actual | Maximum | | | | 525.2 | |
| ALKALIN | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) Acceptable Range | mg/l | Dissolved | Actual | Maximum | | | | | 200.2 |
| ARSENIC | Arsenic Acceptable Range | ug/l | Dissolved | Actual | Maximum | | | | 206.2 | |
| ATRAZINE | Atrazine Acceptable Range | ug/l | Total | Actual | Maximum | | | | 525.2 | |
| CALCIUM | Calcium Acceptable Range | mg/l | Dissolved | Actual | Maximum | | | | 215.1 | |
| CHLORIDE | Chloride Acceptable Range | mg/l | Total | Actual | Maximum | | | | | |
| DO2 | Dissolved oxygen (DO) Acceptable Range | mg/l | Dissolved | Actual | Maximum | | | | 360.2 | |
| ENTEROCO | Enterococcus Group Bacteria Acceptable Range | #/100ml | Filterable | Estimated | Maximum | | | | 1106_1 | |
| METOLACH | Metolachlor Acceptable Range | ug/l | Total | Actual | Maximum | | | | 525.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MGNESM | Magnesium | mg/l | Filterable | Actual | Maximum | | | | 242.1 | 200.2 |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | Maximum | | | | 150.1 | |
| | Acceptable Range | 0.00000 - 12.00000 None | | | | | | | | |
| TEMPC | Temperature, water | deg C | | Actual | Maximum | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 150.00000 deg C | | | | | | | | |

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| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIELD | Field measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| PH | pH | None | Total | Actual | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| METALS_F | Filtered Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ARSENIC_F | Arsenic | mg/l | Dissolved | Actual | | | | | D2972(B) | |
| BORON_F | Boron | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| CADMIUM_F | Cadmium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| CA_F | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| CHROMIUM_F | Chromium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| COPPER_F | Copper | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| HARDNESS_F | Hardness, Ca + Mg | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| IRON_F | Iron | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| LEAD_F | Lead | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| MERCURY_F | Mercury | mg/l | Dissolved | Actual | | | | | 245.2 | |
| MG_F | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| NA_F | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| SAR_F | Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)] | None | Dissolved | Calculated | | | | | 200.7(W) | |
| SELENIUM_F | Selenium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| ZINC_F | Zinc | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---------------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ROUTINE | Routine Sampling | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALKALINITY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320 | |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Dissolved | Actual | | | | | 4500-NH3(F) | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| ARSENIC | Arsenic | mg/l | Total | Actual | | | | | D2972(B) | |
| BORON | Boron | mg/l | Total | Actual | | | | | 200.7(W) | |
| CA | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| CADMIUM | Cadmium | mg/l | Total | Actual | | | | | 200.8(W) | |
| CHLORIDE | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 1,500.00000 mg/l | | | | | | | | |
| CHLOROPHYLL | Chlorophyll a (probe) | ug/l | Total | Actual | | | | | 300(A) | |
| CHROMIUM | Chromium | mg/l | Total | Actual | | | | | 200.8(W) | |
| CO3_AS_CACO3 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| CO3_CO3 | Carbonate ion (CO3-2) | mg/l | Total | Actual | | | | | 2320 | |
| COLOR | Color, True | PCU | | Actual | | | | | 2120-C | |
| | Acceptable Range | 0.00000 - 75.00000 PCU | | | | | | | | |
| COPPER | Copper | mg/l | Total | Actual | | | | | 200.7(W) | |
| EC | Specific conductance | uS/cm | Total | Actual | | | | | 2510 | |
| | Acceptable Range | 0.00000 - 1,000.00000 uS/cm | | | | | | | | |
| E_COLI | Enterococcus Group Bacteria | cfu/100ml | Total | Actual | | | | | 9223-B | |
| FECAL_COLI | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| HARDNESS | Hardness, carbonate | mg/l | Total | Actual | | | | | 200.7(W) | |
| HCO3_AS_CACO3 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HCO3_AS_HCO3 | Bicarbonate Acceptable Range | mg/l | Total | Actual | | | | | 2320 | |
| IRON | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| KJELDAHL | Nitrogen, Kjeldahl Acceptable Range | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| LEAD | Lead | mg/l | Total | Actual | | | | | 200.8(W) | |
| MERCURY | Mercury | mg/l | Total | Actual | | | | | 245.2 | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| NA | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| NITRATE_N | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| NITRATE_NO3 | Nitrogen, Nitrate (NO3) as NO3 Acceptable Range | mg/l | Dissolved | Actual | | | | | 300(A) | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 4500-NO2(B) | |
| ORTHO_P | Phosphorus, orthophosphate as P Acceptable Range | mg/l | Dissolved | Actual | | | | | 4500-P-E | |
| PH | pH Acceptable Range | None | Total | Actual | | | | | 8156 | |
| SAR | Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)] | None | Total | Calculated | | | | | 200.7(W) | |
| SELENIUM | Selenium | mg/l | Total | Actual | | | | | 200.8(W) | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l | Dissolved | Actual | | | | | 300(A) | |
| TDS | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | 2540-C | |
| TOTAL_N | Nitrogen ion (N) Acceptable Range | mg/l | Total | Actual | | | | | | |
| TOTAL_P | Phosphorus as P Acceptable Range | mg/l | Total | Actual | | | | | 4500-P-E | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 50.00000 NTU | | | | | | | | |
| UNION_AMMONIA | Ammonia, unionized | mg/l | Dissolved | Calculated | | | | | 4500-NH3(F) | |
| ZINC | Zinc | mg/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| TRUCKEE | Truckee Analysis by DRI lab | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKALINIY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Dissolved | Actual | | | | | 350.1 | |
| CA | Calcium | mg/l | Total | Actual | | | | | 215.1 | |
| CHLORIDE | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| CO3_AS_CACO3 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Calculated | | | | | 310.1 | |
| COLOR | Color, True | PCU | | Actual | | | | | 110.2 | |
| EC | Specific conductance | uS/cm | Total | Actual | | | | | 120.1 | |
| E_COLI | Enterococcus Group Bacteria | cfu/100ml | Total | Actual | | | | | 9223-B | |
| FECAL_COLI | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| HCO_AS_CACO3 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Calculated | | | | | 310.1 | |
| KJELDAHL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 242.1 | |
| NA | Sodium | mg/l | Total | Actual | | | | | 273.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NO3_N | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ORTHO_P | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 300(A) | |
| TDS | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | 160.1_M | |
| TOTAL_P | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |
| UN-ION_AMMONIA | Ammonia, unionized | mg/l | Dissolved | Calculated | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 303D-SED | 303(d) Sediments | Sample | Sediment | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AG | Silver | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| AS | Arsenic | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| B | Boron | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| BE | Beryllium | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| CA | Calcium | ug/kg | Total | Actual | | | | | | |
| CD | Cadmium | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| CL | Chloride | mg/kg | Total | Actual | | | | | | |
| CR | Chromium | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| CRH | Chromium, hexavalent | ug/kg | Total Recovrble | Actual | | | | | 11230 | |
| CU | Copper | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| FE | Iron | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| HG | Mercury | ug/kg | Total Recovrble | Actual | | | | | 245.1 | |
| MN | Manganese | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| NI | Nickel | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P | Phosphorus as P | mg/kg | Total | Actual | | | | | 365.1 | 365.2 |
| PB | Lead | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SE | Selenium | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| TKN | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | 351.1 | 351.3 |
| TL | Thallium | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| TOC | Carbon, Total Organic (Toc) | mg/kg | Total | Calculated | | | | | 5310-C | |
| TS | Solids, Total | mg/kg | Total | Actual | | | | | 2540-B | |
| TSP | Solids, Total | % by wt | Total | Calculated | | | | | 2540-B | |
| ZN | Zinc | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| AMNET-F | AMNET Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | | Actual | | | | | SC | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| PH | pH | None | | Actual | | | | | PH | |
| WATERTEMP | Temperature, water | deg C | | Actual | | | | | T | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| AMNET-H | High Gradient Habitat | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HABITATSCORE | RBP2, High G, Habitat Assessment Total Score | None | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARAMETER1 | RBP2, High G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| PARAMETER10LE FT | RBP2, High G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| PARAMETER10RI GHT | RBP2, High G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| PARAMETER2 | RBP2, High G, Embeddedness | | | | | | | | | |
| PARAMETER3 | RBP2, High G, Velocity/Depth Regime | | | | | | | | | |
| PARAMETER4 | RBP2, High G, Sediment Deposition | | | | | | | | | |
| PARAMETER5 | RBP2, High G, Channel Flow Status | | | | | | | | | |
| PARAMETER6 | RBP2, High G, Channel Alteration | | | | | | | | | |
| PARAMETER7 | RBP2, High G, Frequency of Riffles (or bends) | | | | | | | | | |
| PARAMETER8LEF T | RBP2, High G, Bank Stability, Left Bank | | | | | | | | | |
| PARAMETER8RIG HT | RBP2, High G, Bank Stability, Right Bank | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| AMNET-L | Low Gradient Habitat | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HABITATSCORE | RBP2, Low G, Habitat Assessment Total Score | None | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARAMETER1 | RBP2, Low G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| PARAMETER10LE FT | RBP2, Low G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| PARAMETER10RI GHT | RBP2, Low G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| PARAMETER2 | RBP2, Low G, Pool Substrate Characterization | | | | | | | | | |
| PARAMETER3 | RBP2, Low G, Pool Variability | | | | | | | | | |
| PARAMETER4 | RBP2, Low G, Sediment Deposition | | | | | | | | | |
| PARAMETER5 | RBP2, Low G, Channel Flow Status | | | | | | | | | |
| PARAMETER6 | RBP2, Low G, Channel Alteration | | | | | | | | | |
| PARAMETER7 | RBP2, Low G, Channel Sinuosity | | | | | | | | | |
| PARAMETER8LEF T | RBP2, Low G, Bank Stability, Left Bank | | | | | | | | | |
| PARAMETER8RIG HT | RBP2, Low G, Bank Stability, Right Bank | | | | | | | | | |
| PARAMETER9LEF T | RBP2, Low G, Vegetative Protection, Left Bank | | | | | | | | | |
| PARAMETER9RIG HT | RBP2, Low G, Vegetative Protection, Right Bank | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| AMNET-R | Habitat Rating | Field Msr/Obs | | | | | Y |

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| | | |
|---------------|----------------------------|-------------------------------|
| Row ID | Characteristic Name | Description |
| HABITATRATING | Habitat Rating | Overall rating of the habitat |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.ANTH | Anthomyiidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | | |
|---------------|----------------------------|------------------|-------------|-------------------|-----------------------|----------------------------------|---------------------------------|----------------------|
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 148685 | Anthomyiidae | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.ATHE | Athericidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | | |
|---------------|----------------------------|------------------|-------------|-------------------|-----------------------|----------------------------------|---------------------------------|----------------------|
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 130928 | Athericidae | | count | Actual | | | | |
| 130929 | Atherix | | count | Actual | | | | |
| 130932 | Atherix variegata | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.BAET | Baetidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | | |
|---------------|----------------------------|------------------|-------------|-------------------|-----------------------|----------------------------------|---------------------------------|----------------------|
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 100755 | Baetidae | | count | Actual | | | | |
| 100756 | Cloeon | | count | Actual | | | | |
| 100757 | Neocloeon | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100771 | Pseudocloeon | | count | Actual | | | | |
| 100777 | Pseudocloeon carolina | | count | Actual | | | | |
| 100778 | Pseudocloeon cingulatum | | count | Actual | | | | |
| 100779 | Pseudocloeon dubium | | count | Actual | | | | |
| 100783 | Pseudocloeon parvulum | | count | Actual | | | | |
| 100784 | Pseudocloeon punctiventris | | count | Actual | | | | |
| 100794 | Heterocloeon | | count | Actual | | | | |
| 100800 | Baetis | | count | Actual | | | | |
| 100801 | Acentrella | | count | Actual | | | | |
| 100808 | Baetis intercalaris | | count | Actual | | | | |
| 100817 | Baetis tricaudatus | | count | Actual | | | | |
| 100825 | Baetis brunneicolor | | count | Actual | | | | |
| 100835 | Baetis flavistriga | | count | Actual | | | | |
| 100839 | Baetis hageni | | count | Actual | | | | |
| 100860 | Baetis propinquus | | count | Actual | | | | |
| 100861 | Baetis pygmaeus | | count | Actual | | | | |
| 100868 | Baetis vagans | | count | Actual | | | | |
| 100873 | Centroptilum | | count | Actual | | | | |
| 100899 | Paracloeodes | | count | Actual | | | | |
| 100903 | Callibaetis | | count | Actual | | | | |
| 206618 | Baetis armillatus | | count | Actual | | | | |
| 206619 | Baetis punctiventris | | count | Actual | | | | |
| 206622 | Procloeon | | count | Actual | | | | |
| 568546 | Acerpenna | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 568551 | Fallceon | | count | Actual | | | | |
| 568553 | Plauditus | | count | Actual | | | | |
| 568605 | Labiobaetis propinquus | | count | Actual | | | | |
| 568681 | Pseudocloeon propinquum | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.BAETI | Baetiscidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101493 | Baetiscidae | | count | Actual | | | | |
| 101494 | Baetisca | | count | Actual | | | | |
| 101495 | Baetisca obesa | | count | Actual | | | | |
| 101499 | Baetisca carolina | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.BLEP | Blephariceridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 121227 | Blephariceridae | | count | Actual | | | | |
| 121255 | Blepharicera | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.BLOO | BloodRed Chironomidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 127917 | Chironomidae | | count | Actual | | | | |
| 129254 | Chironomus | | count | Actual | | | | |
| 129280 | Chironomus decorus | | count | Actual | | | | |
| 129313 | Chironomus riparius | | count | Actual | | | | |
| 129316 | Chironomus militaris | | count | Actual | | | | |
| 129325 | Chironomus tentans | | count | Actual | | | | |
| 129350 | Cladopelma | | count | Actual | | | | |
| 129351 | Cladopelma amachaerus | | count | Actual | | | | |
| 129353 | Harnischia amachaerus | | count | Actual | | | | |
| 129368 | Cryptochironomus | | count | Actual | | | | |
| 129369 | Cryptochironomus argus | | count | Actual | | | | |
| 129376 | Cryptochironomus fulvus | | count | Actual | | | | |
| 129394 | Cryptotendipes | | count | Actual | | | | |
| 129401 | Cryptotendipes emorsus | | count | Actual | | | | |
| 129402 | Harnischia emorsus | | count | Actual | | | | |
| 129404 | Cryptotendipes pseudotener | | count | Actual | | | | |
| 129421 | Demicryptochironomus | | count | Actual | | | | |
| 129428 | Dicrotendipes | | count | Actual | | | | |
| 129452 | Dicrotendipes nervosus | | count | Actual | | | | |
| 129459 | Einfeldia | | count | Actual | | | | |
| 129463 | Einfeldia natchitochaeae | | count | Actual | | | | |
| 129470 | Endochironomus | | count | Actual | | | | |
| 129471 | Endochironomus nigricans | | count | Actual | | | | |
| 129474 | Endochironomus subtendens | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129483 | Glyptotendipes | | count | Actual | | | | |
| 129487 | Glyptotendipes dreisbachi | | count | Actual | | | | |
| 129488 | Glyptotendipes lobiferus | | count | Actual | | | | |
| 129497 | Glyptotendipes senilis | | count | Actual | | | | |
| 129502 | Glyptotendipes polytomus | | count | Actual | | | | |
| 129506 | Goeldichironomus | | count | Actual | | | | |
| 129516 | Harnischia | | count | Actual | | | | |
| 129517 | Harnischia curtilamellata | | count | Actual | | | | |
| 129522 | Kiefferulus | | count | Actual | | | | |
| 129564 | Parachironomus | | count | Actual | | | | |
| 129565 | Parachironomus abortivus | | count | Actual | | | | |
| 129623 | Paratendipes | | count | Actual | | | | |
| 129624 | Paratendipes albimanus | | count | Actual | | | | |
| 129637 | Phaenopsectra | | count | Actual | | | | |
| 129642 | Phaenopsectra flavipes | | count | Actual | | | | |
| 129647 | Phaenopsectra obediens | | count | Actual | | | | |
| 129676 | Polypedilum fallax | | count | Actual | | | | |
| 129684 | Polypedilum halterale | | count | Actual | | | | |
| 129701 | Polypedilum ophioides | | count | Actual | | | | |
| 129708 | Polypedilum scalaenum | | count | Actual | | | | |
| 129708GR | Polypedilum | sp.1 | count | Actual | | | | |
| 129719 | Polypedilum tritum | | count | Actual | | | | |
| 129746 | Stenochironomus | | count | Actual | | | | |
| 129785 | Stictoichironomus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129790 | Stictochironomus devinctus | | count | Actual | | | | |
| 129851 | Pseudochironomus | | count | Actual | | | | |
| 129858 | Pseudochironomus fulviventris | | count | Actual | | | | |
| 129868 | Pseudochironomus richardsoni | | count | Actual | | | | |
| 129871 | Pseudochironomus prasinatus | | count | Actual | | | | |
| 156754 | Urnatella gracilis | | count | Actual | | | | |
| 553082 | Demicryptochironomus vulneratus | | count | Actual | | | | |
| 553087 | Kiefferulus tendipediformis | | count | Actual | | | | |
| 568519 | Polypedilum | | count | Actual | | | | |
| INSOLI | Einfeldia | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.BRAC | Brachycentridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 116905 | Brachycentridae | | count | Actual | | | | |
| 116906 | Brachycentrus | | count | Actual | | | | |
| 116910 | Brachycentrus numerosus | | count | Actual | | | | |
| 116912 | Brachycentrus americanus | | count | Actual | | | | |
| 116914 | Brachycentrus lateralis | | count | Actual | | | | |
| 116958 | Micrasema | | count | Actual | | | | |
| 116960 | Micrasema wataga | | count | Actual | | | | |
| 116961 | Micrasema rusticum | | count | Actual | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.CAEN | Caenidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101467 | Caenidae | | count | Actual | | | | |
| 101468 | Brachycercus | | count | Actual | | | | |
| 101478 | Caenis | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.CALA | Calamoceratidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 116529 | Calamoceratidae | | count | Actual | | | | |
| 116537 | Heteroplectron | | count | Actual | | | | |
| 553090 | Heteroplectron americanum | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.CARA | Carabidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 109234 | Carabidae | | count | Actual | | | | |
| 111436 | Chlaenius | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.CERA | Ceratopogonidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 127076 | Ceratopogonidae | | count | Actual | | | | |
| 127077 | Heleidae | | count | Actual | | | | |
| 127113 | Atrichopogon | | count | Actual | | | | |
| 127152 | Forcipomyia | | count | Actual | | | | |
| 127278 | Dasyhelea | | count | Actual | | | | |
| 127298 | Dasyhelea grisea | | count | Actual | | | | |
| 127340 | Culicoides | | count | Actual | | | | |
| 127464 | Culicoides sanguisuga | | count | Actual | | | | |
| 127533 | Alluaudomyia | | count | Actual | | | | |
| 127539 | Alluaudomyia needhami | | count | Actual | | | | |
| 127619 | Stilobezzia | | count | Actual | | | | |
| 127620 | Stilobezzia antennalis | | count | Actual | | | | |
| 127729 | Probezzia | | count | Actual | | | | |
| 127778 | Bezzia | | count | Actual | | | | |
| 127811 | Bezzia glabra | | count | Actual | | | | |
| 127851 | Bezzia varicolor | | count | Actual | | | | |
| 127853 | Bezzia setulosa | | count | Actual | | | | |
| 127854 | Bezzia opaca | | count | Actual | | | | |
| 127859 | Palpomyia | | count | Actual | | | | |
| 127885 | Palpomyia lineata | | count | Actual | | | | |
| 127889 | Palpomyia pruinescens | | count | Actual | | | | |
| 127905 | Palpomyia tibialis | | count | Actual | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.CHIR1 | Chironomidae A-E | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 127917 | Chironomidae | | count | Actual | | | | |
| 127996 | Clinotanypus | | count | Actual | | | | |
| 127998 | Clinotanypus pinguis | | count | Actual | | | | |
| 128005 | Clinotanypus thoracicus | | count | Actual | | | | |
| 128010 | Coelotanypus | | count | Actual | | | | |
| 128018 | Coelotanypus tricolor | | count | Actual | | | | |
| 128021 | Apsectrotanypus | | count | Actual | | | | |
| 128077 | Anatopynia fastuosa | | count | Actual | | | | |
| 128079 | Ablabesmyia | | count | Actual | | | | |
| 128081 | Ablabesmyia annulata | | count | Actual | | | | |
| 128083 | Ablabesmyia aspera | | count | Actual | | | | |
| 128093 | Ablabesmyia janta | | count | Actual | | | | |
| 128097 | Ablabesmyia mallochi | | count | Actual | | | | |
| 128107 | Ablabesmyia monilis | | count | Actual | | | | |
| 128111 | Ablabesmyia basilis | | count | Actual | | | | |
| 128113 | Ablabesmyia peleensis | | count | Actual | | | | |
| 128123 | Ablabesmyia simpsoni | | count | Actual | | | | |
| 128126 | Cantopelopia | | count | Actual | | | | |
| 128127 | Cantopelopia aleta | | count | Actual | | | | |
| 128128 | Conchapelopia aleta | | count | Actual | | | | |
| 128130 | Conchapelopia | | count | Actual | | | | |
| 128133 | Conchapelopia americana | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128136 | Conchapelopia cornuticaudata | | count | Actual | | | | |
| 128139 | Conchapelopia currani | | count | Actual | | | | |
| 128140 | Conchapelopia fasciata | | count | Actual | | | | |
| 128141 | Conchapelopia dusena | | count | Actual | | | | |
| 128142 | Conchapelopia flavifrons | | count | Actual | | | | |
| 128151 | Conchapelopia pallens | | count | Actual | | | | |
| 128154 | Conchapelopia goniodes | | count | Actual | | | | |
| 128158 | Conchapelopia rurika | | count | Actual | | | | |
| 128159 | Conchapelopia telema | | count | Actual | | | | |
| 128161 | Guttipelopia | | count | Actual | | | | |
| 128271 | Djalmabatista | | count | Actual | | | | |
| 128341 | Diamesinae | | count | Actual | | | | |
| 128355 | Diamesa | | count | Actual | | | | |
| 128391 | Diamesa nivoriunda | | count | Actual | | | | |
| 128463 | Acricotopus | | count | Actual | | | | |
| 128477 | Brillia | | count | Actual | | | | |
| 128478 | Brillia flavifrons | | count | Actual | | | | |
| 128483 | Brillia sera | | count | Actual | | | | |
| 128487 | Brillia par | | count | Actual | | | | |
| 128488 | Bryophaenocladus | | count | Actual | | | | |
| 128511 | Cardiocladius | | count | Actual | | | | |
| 128512 | Cardiocladius albiplumus | | count | Actual | | | | |
| 128515 | Cardiocladius obscurus | | count | Actual | | | | |
| 128520 | Chaetocladius | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128563 | Corynoneura | | count | Actual | | | | |
| 128565 | Corynoneura celeripes | | count | Actual | | | | |
| 128570 | Corynoneura taris | | count | Actual | | | | |
| 128575 | Cricotopus | | count | Actual | | | | |
| 128583 | Cricotopus bicinctus | | count | Actual | | | | |
| 128588 | Cricotopus curtus | | count | Actual | | | | |
| 128589 | Cricotopus cylindraceus | | count | Actual | | | | |
| 128594 | Cricotopus festivellus | | count | Actual | | | | |
| 128600 | Cricotopus fugax | | count | Actual | | | | |
| 128603 | Cricotopus fuscatus | | count | Actual | | | | |
| 128610 | Cricotopus infuscatus | | count | Actual | | | | |
| 128611 | Cricotopus aratus | | count | Actual | | | | |
| 128613 | Cricotopus ceris | | count | Actual | | | | |
| 128614 | Cricotopus intersectus | | count | Actual | | | | |
| 128617 | Cricotopus junus | | count | Actual | | | | |
| 128618 | Cricotopus laetus | | count | Actual | | | | |
| 128619 | Cricotopus laricomalis | | count | Actual | | | | |
| 128643 | Cricotopus slossonae | | count | Actual | | | | |
| 128645 | Cricotopus sylvestris | | count | Actual | | | | |
| 128647 | Cricotopus tibialis | | count | Actual | | | | |
| 128651 | Cricotopus tremulus | | count | Actual | | | | |
| 128653 | Cricotopus triannulatus | | count | Actual | | | | |
| 128655 | Cricotopus exilis | | count | Actual | | | | |
| 128656 | Cricotopus tricinctus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128659 | Cricotopus trifascia | | count | Actual | | | | |
| 128661 | Cricotopus trifasciatus | | count | Actual | | | | |
| 128666 | Cricotopus vierriensis | | count | Actual | | | | |
| 128668 | Cricotopus reversus | | count | Actual | | | | |
| 128669 | Cricotopus fuscus | | count | Actual | | | | |
| 128670 | Diplocladius | | count | Actual | | | | |
| 128671 | Diplocladius cultriger | | count | Actual | | | | |
| 128674 | Doithrix | | count | Actual | | | | |
| 128689 | Eukiefferiella | | count | Actual | | | | |
| 128693 | Eukiefferiella claripennis | | count | Actual | | | | |
| 128695 | Eukiefferiella devonica | | count | Actual | | | | |
| 128699 | Eukiefferiella discoloripes | | count | Actual | | | | |
| 128703 | Eukiefferiella brevicar | | count | Actual | | | | |
| 128705 | Eukiefferiella gracei | | count | Actual | | | | |
| 128706 | Eukiefferiella pseudomontana | | count | Actual | | | | |
| 129228 | Chironominae | | count | Actual | | | | |
| 129229 | Chironomini | | count | Actual | | | | |
| 129230 | Acalcarella | | count | Actual | | | | |
| 129436 | Dicrotendipes fumidus | | count | Actual | | | | |
| 129448 | Dicrotendipes modestus | | count | Actual | | | | |
| 129450 | Dicrotendipes neomodestus | | count | Actual | | | | |
| 129873 | Cladotanytarsus | | count | Actual | | | | |
| 129879 | Cladotanytarsus dispersopilosus | | count | Actual | | | | |
| 129881 | Cladotanytarsus mancus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|-------------|--------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129884 | Constempellina | | count | Actual | | | | |
| 129885 | Constempellina brevicosta | | count | Actual | | | | |
| 129979 | Calopsectra | | count | Actual | | | | |
| 130031 | Calopsectra glabrescens | | count | Actual | | | | |
| 181207 | Anatopynia | | count | Actual | | | | |
| 181209 | Acamptocladus | | count | Actual | | | | |
| 206646 | Alotanypus | | count | Actual | | | | |
| 553077 | Brillia modesta | | count | Actual | | | | |
| 553078 | Cladotanytarsus atridorsum | | count | Actual | | | | |
| 553079 | Cricotopus albiforceps | | count | Actual | | | | |
| 553080 | Cricotopus flavocinctus | | count | Actual | | | | |
| 553081 | Cricotopus pirifer | | count | Actual | | | | |
| 553083 | Eukiefferiella rectangularis | | count | Actual | | | | |
| 553084 | Eukiefferiella similis | | count | Actual | | | | |
| 553089 | Cricotopus algarum | | count | Actual | | | | |
| 568525 | Apsectrotanypus trifascipennis | | count | Actual | | | | |
| VANDERWULPI | Cladotanytarsus | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.CHIR2 | Chironomidae H-PR | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128034 | Macropelopia | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128037 | Macropelopia decedens | | count | Actual | | | | |
| 128070 | Natarsia | | count | Actual | | | | |
| 128076 | Natarsia fastuosa | | count | Actual | | | | |
| 128173 | Labrundinia | | count | Actual | | | | |
| 128178 | Labrundinia pilosella | | count | Actual | | | | |
| 128183 | Larsia | | count | Actual | | | | |
| 128202 | Nilotanypus | | count | Actual | | | | |
| 128203 | Nilotanypus fimbriatus | | count | Actual | | | | |
| 128215 | Pentaneura | | count | Actual | | | | |
| 128225 | Pentaneura carnea | | count | Actual | | | | |
| 128277 | Procladius | | count | Actual | | | | |
| 128285 | Procladius bellus | | count | Actual | | | | |
| 128295 | Procladius culiciformis | | count | Actual | | | | |
| 128313 | Procladius riparius | | count | Actual | | | | |
| 128325 | Pelopia | | count | Actual | | | | |
| 128337 | Pelopia stellata | | count | Actual | | | | |
| 128401 | Pagastia | | count | Actual | | | | |
| 128402 | Pagastia orthogonia | | count | Actual | | | | |
| 128408 | Potthastia | | count | Actual | | | | |
| 128412 | Potthastia longimana | | count | Actual | | | | |
| 128431 | Protanypus | | count | Actual | | | | |
| 128440 | Monodiamesa | | count | Actual | | | | |
| 128441 | Monodiamesa bathyphila | | count | Actual | | | | |
| 128442 | Prodiamesa bathyphila | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128446 | Odontomesa | | count | Actual | | | | |
| 128447 | Odontomesa fulva | | count | Actual | | | | |
| 128452 | Prodiamesa | | count | Actual | | | | |
| 128454 | Prodiamesa olivacea | | count | Actual | | | | |
| 128457 | Orthoclaadiinae | | count | Actual | | | | |
| 128725 | Halocladius | | count | Actual | | | | |
| 128734 | Heterotanytarsus | | count | Actual | | | | |
| 128737 | Heterotrissocladius | | count | Actual | | | | |
| 128744 | Heterotrissocladius marcidus | | count | Actual | | | | |
| 128750 | Hydrobaenus | | count | Actual | | | | |
| 128757 | Hydrobaenus johannseni | | count | Actual | | | | |
| 128771 | Krenosmittia | | count | Actual | | | | |
| 128811 | Lopescladius | | count | Actual | | | | |
| 128821 | Metriocnemus | | count | Actual | | | | |
| 128831 | Metriocnemus knabi | | count | Actual | | | | |
| 128844 | Nanocladius | | count | Actual | | | | |
| 128852 | Nanocladius crassicornus | | count | Actual | | | | |
| 128853 | Nanocladius distinctus | | count | Actual | | | | |
| 128859 | Nanocladius minimus | | count | Actual | | | | |
| 128860 | Nanocladius rectinervis | | count | Actual | | | | |
| 128874 | Orthocladius | | count | Actual | | | | |
| 128878 | Orthocladius annectens | | count | Actual | | | | |
| 128883 | Hydrobaenus carlatus | | count | Actual | | | | |
| 128898 | Orthocladius dorenus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128913 | Orthocladius lignicola | | count | Actual | | | | |
| 128923 | Orthocladius obumbratus | | count | Actual | | | | |
| 128925 | Orthocladius paradoreus | | count | Actual | | | | |
| 128928 | Orthocladius rivulorum | | count | Actual | | | | |
| 128948 | Orthocladius thienemanni | | count | Actual | | | | |
| 128951 | Parachaetocladus | | count | Actual | | | | |
| 128953 | Parachaetocladus hudsoni | | count | Actual | | | | |
| 128962 | Paracricotopus | | count | Actual | | | | |
| 128968 | Parakiefferiella | | count | Actual | | | | |
| 128974 | Parakiefferiella coronata | | count | Actual | | | | |
| 128978 | Parametrioctenus | | count | Actual | | | | |
| 128982 | Parametrioctenus lundbecki | | count | Actual | | | | |
| 128986 | Parametrioctenus stylatus | | count | Actual | | | | |
| 128989 | Paraphaenocladus | | count | Actual | | | | |
| 129520 | Hyporhygma | | count | Actual | | | | |
| 129525 | Lauterborniella | | count | Actual | | | | |
| 129526 | Lauterborniella agrayloides | | count | Actual | | | | |
| 129528 | Lauterborniella varipennis | | count | Actual | | | | |
| 129535 | Microtendipes | | count | Actual | | | | |
| 129538 | Microtendipes caducus | | count | Actual | | | | |
| 129541 | Microtendipes pedellus | | count | Actual | | | | |
| 129548 | Nilothauma | | count | Actual | | | | |
| 129549 | Nilothauma babyi | | count | Actual | | | | |
| 129561 | Pagastiella | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|------------|------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129562 | Pagastiella ostansa | | count | Actual | | | | |
| 129597 | Paracladopelma | | count | Actual | | | | |
| 129616 | Paralauterborniella | | count | Actual | | | | |
| 129619 | Paralauterborniella nigrohalterale | | count | Actual | | | | |
| 129666 | Polypedilum aviceps | | count | Actual | | | | |
| 129671 | Polypedilum convictum | | count | Actual | | | | |
| 129686 | Polypedilum illinoense | | count | Actual | | | | |
| 129692 | Polypedilum laetum | | count | Actual | | | | |
| 129698 | Polypedilum ontario | | count | Actual | | | | |
| 129890 | Micropsectra | | count | Actual | | | | |
| 129898 | Micropsectra deflecta | | count | Actual | | | | |
| 129900 | Micropsectra dives | | count | Actual | | | | |
| 129904 | Micropsectra junci | | count | Actual | | | | |
| 129907 | Micropsectra brunnipes | | count | Actual | | | | |
| 129911 | Micropsectra nigripila | | count | Actual | | | | |
| 129913 | Micropsectra polita | | count | Actual | | | | |
| 129935 | Paratanytarsus | | count | Actual | | | | |
| 553086 | Microtendipes tarsalis | | count | Actual | | | | |
| 553088 | Paratanytarsus dissimilis | | count | Actual | | | | |
| FLAVUM | Polypedilum | sp.1 | count | Actual | | | | |
| PEDELLUSGR | Microtendipes | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.CHIR3 | Chironomidae PS-Z | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103099 | Remenus | | count | Actual | | | | |
| 127994 | Tanypodinae | | count | Actual | | | | |
| 128048 | Psectrotanypus | | count | Actual | | | | |
| 128056 | Psectrotanypus dyari | | count | Actual | | | | |
| 128226 | Rheopelopia | | count | Actual | | | | |
| 128231 | Rheopelopia perda | | count | Actual | | | | |
| 128233 | Telopelopia | | count | Actual | | | | |
| 128234 | Telopelopia okoboji | | count | Actual | | | | |
| 128236 | Thienemannimyia | | count | Actual | | | | |
| 128236GR | Thienemannimyia | sp.1 | count | Actual | | | | |
| 128243 | Thienemannimyia norena | | count | Actual | | | | |
| 128245 | Thienemannimyia senata | | count | Actual | | | | |
| 128251 | Trissopelopia | | count | Actual | | | | |
| 128259 | Zavreliomyia | | count | Actual | | | | |
| 128324 | Tanypus | | count | Actual | | | | |
| 128329 | Tanypus neopunctipennis | | count | Actual | | | | |
| 128333 | Tanypus punctipennis | | count | Actual | | | | |
| 128336 | Tanypus stellatus | | count | Actual | | | | |
| 128356 | Psilodiamesa | | count | Actual | | | | |
| 128416 | Pseudodiamesa | | count | Actual | | | | |
| 128421 | Pseudodiamesa pertinax | | count | Actual | | | | |
| 128426 | Sympotthastia | | count | Actual | | | | |
| 128429 | Syndiamesa | | count | Actual | | | | |
| 128751 | Trissocladius (Part) | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128877 | Symposiocladius | | count | Actual | | | | |
| 128915 | Symposiocladius lignicola | | count | Actual | | | | |
| 128963 | Trichocladius | | count | Actual | | | | |
| 129018 | Psectrocladius | | count | Actual | | | | |
| 129022 | Psectrocladius barbimanus | | count | Actual | | | | |
| 129027 | Psectrocladius elatus | | count | Actual | | | | |
| 129029 | Psectrocladius flavus | | count | Actual | | | | |
| 129035 | Psectrocladius nigrus | | count | Actual | | | | |
| 129038 | Psectrocladius pilosus | | count | Actual | | | | |
| 129041 | Psectrocladius simulans | | count | Actual | | | | |
| 129045 | Psectrocladius vernalis | | count | Actual | | | | |
| 129050 | Psectrocladius psilopterus | | count | Actual | | | | |
| 129051 | Psectrocladius sordidellus | | count | Actual | | | | |
| 129052 | Pseudorthocladius | | count | Actual | | | | |
| 129086 | Rheocricotopus | | count | Actual | | | | |
| 129102 | Rheocricotopus robacki | | count | Actual | | | | |
| 129105 | Rheocricotopus tuberculatus | | count | Actual | | | | |
| 129107 | Rheosmittia | | count | Actual | | | | |
| 129110 | Smittia | | count | Actual | | | | |
| 129152 | Stilocladius | | count | Actual | | | | |
| 129156 | Symbiocladius | | count | Actual | | | | |
| 129161 | Synorthocladius | | count | Actual | | | | |
| 129162 | Synorthocladius semivirens | | count | Actual | | | | |
| 129182 | Thienemanniella | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129190 | Thienemanniella xena | | count | Actual | | | | |
| 129193 | Thienemanniella fusca | | count | Actual | | | | |
| 129197 | Tvetenia | | count | Actual | | | | |
| 129203 | Tvetenia vitracies | | count | Actual | | | | |
| 129205 | Tvetenia bavarica | | count | Actual | | | | |
| 129206 | Unniella | | count | Actual | | | | |
| 129207 | Unniella multivirga | | count | Actual | | | | |
| 129208 | Xylotopus | | count | Actual | | | | |
| 129209 | Xylotopus par | | count | Actual | | | | |
| 129213 | Zalutschia | | count | Actual | | | | |
| 129227 | Zalutschia zalutschicola | | count | Actual | | | | |
| 129730 | Robackia | | count | Actual | | | | |
| 129733 | Robackia demejerei | | count | Actual | | | | |
| 129735 | Saetheria | | count | Actual | | | | |
| 129737 | Saetheria tylus | | count | Actual | | | | |
| 129743 | Stelechomyia | | count | Actual | | | | |
| 129744 | Stelechomyia perpulchra | | count | Actual | | | | |
| 129820 | Tribelos | | count | Actual | | | | |
| 129827 | Tribelos jucundus | | count | Actual | | | | |
| 129837 | Xenochironomus | | count | Actual | | | | |
| 129838 | Xenochironomus xenolabis | | count | Actual | | | | |
| 129872 | Tanytarsini | | count | Actual | | | | |
| 129952 | Rheotanytarsus | | count | Actual | | | | |
| 129955 | Rheotanytarsus distinctissimus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129957 | Rheotanytarsus exiguus | | count | Actual | | | | |
| 129957GR | Rheotanytarsus | sp.1 | count | Actual | | | | |
| 129959GR | Rheotanytarsus | sp.2 | count | Actual | | | | |
| 129962 | Stempellina | | count | Actual | | | | |
| 129968 | Stempellina bausei | | count | Actual | | | | |
| 129969 | Stempellinella | | count | Actual | | | | |
| 129975 | Sublettea | | count | Actual | | | | |
| 129976 | Sublettea coffmani | | count | Actual | | | | |
| 129978 | Tanytarsus | | count | Actual | | | | |
| 129984 | Tanytarsus confusus | | count | Actual | | | | |
| 129990 | Tanytarsus dissimilis | | count | Actual | | | | |
| 129997 | Tanytarsus guerlus | | count | Actual | | | | |
| 130022 | Tanytarsus varelus | | count | Actual | | | | |
| 130030 | Tanytarsus glabrescens | | count | Actual | | | | |
| 130038 | Zavrelia | | count | Actual | | | | |
| 130039 | Zavrelia pentatoma | | count | Actual | | | | |
| 130040 | Zavreliella | | count | Actual | | | | |
| 189327 | Tvetenia discoloripes | | count | Actual | | | | |
| 189328 | Zavreliella marmorata | | count | Actual | | | | |
| 553085 | Psectrocladius octomaculatus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.CHR | Chrysomelidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114509 | Chrysomelidae | | count | Actual | | | | |
| 114510 | Donacia | | count | Actual | | | | |
| 114541 | Galerucella | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.CULI | Culicidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 125904 | Chaoborus | | count | Actual | | | | |
| 125923 | Chaoborus punctipennis | | count | Actual | | | | |
| 125930 | Culicidae | | count | Actual | | | | |
| 125956 | Anopheles | | count | Actual | | | | |
| 125977 | Anopheles punctipennis | | count | Actual | | | | |
| 126455 | Culex | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.CURC | Curculionidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114666 | Curculionidae | | count | Actual | | | | |
| 114666A | Curculionidae | | count | Actual | | | | |
| 114679 | Stenopelmus | | count | Actual | | | | |
| 114680 | Stenopelmus rufinasus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114774 | Onychylis | | count | Actual | | | | |
| 114816 | Hyperodes | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.DIPT | Diptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 126234 | Aedes | | count | Actual | | | | |
| 126293 | Aedes fitchii | | count | Actual | | | | |
| 126824 | Simulium gouldingi | | count | Actual | | | | |
| 126832 | Simulium jenningsi | | count | Actual | | | | |
| 126856 | Simulium pictipes | | count | Actual | | | | |
| 128980 | Parametriochnemus graminicola | | count | Actual | | | | |
| 129579 | Parachironomus frequens | | count | Actual | | | | |
| 130643 | Stratiomys discalis | | count | Actual | | | | |
| 138998 | Diplonevra | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.DIXI | Dixidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 125809 | Dixidae | | count | Actual | | | | |
| 125810 | Dixa | | count | Actual | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.DOLI | Dolichopodidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 136824 | Dolichopodidae | | count | Actual | | | | |
| 137250 | Argyra | | count | Actual | | | | |
| 137953 | Dolichopus | | count | Actual | | | | |
| 138606 | Hydrophorus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.DRYO | Dryopidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 113999 | Dryopidae | | count | Actual | | | | |
| 113999A | Dryopidae | | count | Actual | | | | |
| 114006 | Helichus | | count | Actual | | | | |
| 114006A | Helichus | | count | Actual | | | | |
| 114009 | Helichus lithophilus | | count | Actual | | | | |
| 114011 | Helichus basalis | | count | Actual | | | | |
| 114013 | Helichus fastigiatus | | count | Actual | | | | |
| 114025 | Dryops | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.DYTI | Dytiscidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 111963 | Dytiscidae | | count | Actual | | | | |
| 111963A | Dytiscidae | | count | Actual | | | | |
| 111966 | Agabus | | count | Actual | | | | |
| 112072 | Agabetes | | count | Actual | | | | |
| 112074 | Acilius | | count | Actual | | | | |
| 112109 | Thermonectus | | count | Actual | | | | |
| 112118 | Dytiscus | | count | Actual | | | | |
| 112145 | Desmopachria | | count | Actual | | | | |
| 112153 | Deronectes | | count | Actual | | | | |
| 112159 | Derovatellus | | count | Actual | | | | |
| 112163 | Eretes | | count | Actual | | | | |
| 112181 | Ilybius | | count | Actual | | | | |
| 112200 | Hygrotus | | count | Actual | | | | |
| 112257 | Hydrovatus | | count | Actual | | | | |
| 112278 | Laccophilus | | count | Actual | | | | |
| 112322 | Bidessus | | count | Actual | | | | |
| 112364 | Cybister | | count | Actual | | | | |
| 112379 | Colymbetes | | count | Actual | | | | |
| 112390 | Hydroporus | | count | Actual | | | | |
| 112412 | Hydroporus niger | | count | Actual | | | | |
| 112561 | Copelatus | | count | Actual | | | | |
| 112575 | Uvarus | | count | Actual | | | | |
| 112587 | Potamonectes | | count | Actual | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.ELMI | Elmidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114093 | Elmidae | | count | Actual | | | | |
| 114093A | Elmidae | | count | Actual | | | | |
| 114095 | Stenelmis | | count | Actual | | | | |
| 114095A | Stenelmis | | count | Actual | | | | |
| 114101 | Stenelmis concinna | | count | Actual | | | | |
| 114102 | Stenelmis crenata | | count | Actual | | | | |
| 114104 | Stenelmis decorata | | count | Actual | | | | |
| 114105 | Stenelmis humerosa | | count | Actual | | | | |
| 114107 | Stenelmis lateralis | | count | Actual | | | | |
| 114108 | Stenelmis markeli | | count | Actual | | | | |
| 114109 | Stenelmis mera | | count | Actual | | | | |
| 114110 | Stenelmis mirabilis | | count | Actual | | | | |
| 114112 | Stenelmis sandersoni | | count | Actual | | | | |
| 114115 | Stenelmis vittipennis | | count | Actual | | | | |
| 114126 | Dubiraphia | | count | Actual | | | | |
| 114126A | Dubiraphia | | count | Actual | | | | |
| 114129 | Dubiraphia bivittata | | count | Actual | | | | |
| 114130 | Dubiraphia quadrinotata | | count | Actual | | | | |
| 114146 | Microcyloepus | | count | Actual | | | | |
| 114147 | Microcyloepus pusillus | | count | Actual | | | | |
| 114147A | Microcyloepus pusillus | | count | Actual | | | | |
| 114149 | Microcyloepus pusillus pusillus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114177 | Optioservus | | count | Actual | | | | |
| 114177A | Optioservus | | count | Actual | | | | |
| 114184 | Optioservus immunis | | count | Actual | | | | |
| 114185 | Optioservus ovalis | | count | Actual | | | | |
| 114186 | Optioservus trivittatus | | count | Actual | | | | |
| 114193 | Ancyronyx | | count | Actual | | | | |
| 114193A | Ancyronyx | | count | Actual | | | | |
| 114194 | Ancyronyx variegatus | | count | Actual | | | | |
| 114194A | Ancyronyx variegatus | | count | Actual | | | | |
| 114212 | Macronychus | | count | Actual | | | | |
| 114213 | Macronychus glabratus | | count | Actual | | | | |
| 114213A | Macronychus glabratus | | count | Actual | | | | |
| 114229 | Promoresia | | count | Actual | | | | |
| 114229A | Promoresia | | count | Actual | | | | |
| 114230 | Promoresia elegans | | count | Actual | | | | |
| 114231 | Promoresia tardella | | count | Actual | | | | |
| 114244 | Oulimnius | | count | Actual | | | | |
| 114244A | Oulimnius | | count | Actual | | | | |
| 114245 | Oulimnius latiusculus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.EMPI | Empididae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 135830 | Empididae | | count | Actual | | | | |
| 135849 | Clinocera | | count | Actual | | | | |
| 135864 | Clinocera stagnalis | | count | Actual | | | | |
| 136305 | Chelifera | | count | Actual | | | | |
| 136320 | Chelifera precatorea | | count | Actual | | | | |
| 136327 | Hemerodromia | | count | Actual | | | | |
| 136340 | Hemerodromia rogatoris | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.EPHE | Ephemerellidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101232 | Ephemerellidae | | count | Actual | | | | |
| 101233 | Ephemerella | | count | Actual | | | | |
| 101241 | Ephemerella subvaria | | count | Actual | | | | |
| 101255 | Ephemerella aurivillii | | count | Actual | | | | |
| 101272 | Ephemerella dorothea | | count | Actual | | | | |
| 101282 | Ephemerella invaria | | count | Actual | | | | |
| 101291 | Ephemerella needhami | | count | Actual | | | | |
| 101296 | Ephemerella rotunda | | count | Actual | | | | |
| 101299 | Ephemerella septentrionalis | | count | Actual | | | | |
| 101303 | Ephemerella spiculosa | | count | Actual | | | | |
| 101312 | Ephemerella walkeri | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101317 | Timpanoga | | count | Actual | | | | |
| 101324 | Eurylophella | | count | Actual | | | | |
| 101326 | Eurylophella temporalis | | count | Actual | | | | |
| 101332 | Eurylophella funeralis | | count | Actual | | | | |
| 101334 | Eurylophella bicolor | | count | Actual | | | | |
| 101336 | Eurylophella aestiva | | count | Actual | | | | |
| 101338 | Attenella | | count | Actual | | | | |
| 101340 | Attenella attenuata | | count | Actual | | | | |
| 101360 | Dannella | | count | Actual | | | | |
| 101361 | Dannella lita | | count | Actual | | | | |
| 101363 | Dannella simplex | | count | Actual | | | | |
| 101365 | Drunella | | count | Actual | | | | |
| 101366 | Drunella cornutella | | count | Actual | | | | |
| 101395 | Serratella | | count | Actual | | | | |
| 101396 | Serratella deficiens | | count | Actual | | | | |
| 101397 | Ephemerella deficiens | | count | Actual | | | | |
| 185972 | Drunella lata | | count | Actual | | | | |
| 185973 | Drunella walkeri | | count | Actual | | | | |
| 185975 | Serratella serratoides | | count | Actual | | | | |
| 185976 | Serratella serrata | | count | Actual | | | | |
| 609595 | Drunella cornuta | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.EPHEM | Ephemeridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101525 | Ephemeraidae | | count | Actual | | | | |
| 101526 | Ephemera | | count | Actual | | | | |
| 101537 | Hexagenia | | count | Actual | | | | |
| 101566 | Litobrancha | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.EPHY | Ephydriidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 146893 | Ephydriidae | | count | Actual | | | | |
| 147096 | Psilopa | | count | Actual | | | | |
| 147117 | Hydrellia | | count | Actual | | | | |
| 147303 | Brachydeutera | | count | Actual | | | | |
| 147304 | Brachydeutera argentata | | count | Actual | | | | |
| 147486 | Ephydra | | count | Actual | | | | |
| 147568 | Scatella | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.GLOS | Glossosomatidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115221 | Protoptila | | count | Actual | | | | |
| 115223 | Protoptila maculata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 117120 | Glossosomatidae | | count | Actual | | | | |
| 117121 | Agapetus | | count | Actual | | | | |
| 117159 | Glossosoma | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.GYRI | Gyrinidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 112653 | Gyrinidae | | count | Actual | | | | |
| 112654 | Gyrinus | | count | Actual | | | | |
| 112711 | Dineutus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HALI | Haliplidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 111857 | Haliplidae | | count | Actual | | | | |
| 111858 | Halipus | | count | Actual | | | | |
| 111923 | Peltodytes | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HEL1 | Helicopsychidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 117015 | Helicopsychidae | | count | Actual | | | | |
| 117016 | Helicopsyche | | count | Actual | | | | |
| 117020 | Helicopsyche borealis | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HELO | Helodidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 113923 | Helodidae | | count | Actual | | | | |
| 113929 | Scirtes | | count | Actual | | | | |
| 113948 | Cyphon | | count | Actual | | | | |
| 113969 | Elodes | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HEPT | Heptageniidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100504 | Heptageniidae | | count | Actual | | | | |
| 100505 | Arthroplea | | count | Actual | | | | |
| 100507 | Stenonema | | count | Actual | | | | |
| 100508 | Stenonema annexum | | count | Actual | | | | |
| 100509 | Stenonema pulchellum | | count | Actual | | | | |
| 100512 | Stenonema bipunctatum | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100514 | Stenonema exiguum | | count | Actual | | | | |
| 100516 | Stenonema femoratum | | count | Actual | | | | |
| 100517 | Stenonema fuscum | | count | Actual | | | | |
| 100521 | Stenonema integrum | | count | Actual | | | | |
| 100527 | Stenonema ithaca | | count | Actual | | | | |
| 100529 | Stenonema luteum | | count | Actual | | | | |
| 100530 | Stenonema mediopunctatum | | count | Actual | | | | |
| 100532 | Stenonema modestum | | count | Actual | | | | |
| 100535 | Stenonema nepotellum | | count | Actual | | | | |
| 100536 | Stenonema pudicum | | count | Actual | | | | |
| 100537 | Stenonema quinquespinum | | count | Actual | | | | |
| 100538 | Stenonema rubromaculatum | | count | Actual | | | | |
| 100539 | Stenonema rubrum | | count | Actual | | | | |
| 100541 | Stenonema smithae | | count | Actual | | | | |
| 100542 | Stenonema terminatum | | count | Actual | | | | |
| 100543 | Stenonema tripunctatum | | count | Actual | | | | |
| 100548 | Stenonema vicarium | | count | Actual | | | | |
| 100557 | Cinygmula | | count | Actual | | | | |
| 100602 | Heptagenia | | count | Actual | | | | |
| 100613 | Heptagenia lucidipennis | | count | Actual | | | | |
| 100626 | Epeorus | | count | Actual | | | | |
| 100676 | Leucrocuta | | count | Actual | | | | |
| 100692 | Nixe | | count | Actual | | | | |
| 100695 | Nixe lucidipennis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100713 | Stenacron | | count | Actual | | | | |
| 100714 | Stenacron interpunctatum | | count | Actual | | | | |
| 100735 | Stenacron carolina | | count | Actual | | | | |
| 100736 | Stenacron pallidum | | count | Actual | | | | |
| 100737 | Stenacron candidum | | count | Actual | | | | |
| 100742 | Stenacron minnetonka | | count | Actual | | | | |
| 103939 | Hydrometra | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HYDR | Hydrophilidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 112811 | Hydrophilidae | | count | Actual | | | | |
| 112811A | Hydrophilidae | | count | Actual | | | | |
| 112812 | Berosus | | count | Actual | | | | |
| 112812A | Berosus | | count | Actual | | | | |
| 112845 | Chaetarthria | | count | Actual | | | | |
| 112858 | Laccobius | | count | Actual | | | | |
| 112858A | Laccobius | | count | Actual | | | | |
| 112878 | Anacaena | | count | Actual | | | | |
| 112909 | Paracymus | | count | Actual | | | | |
| 112931 | Sperchopsis | | count | Actual | | | | |
| 112938 | Tropisternus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 112938A | Tropisternus | | count | Actual | | | | |
| 112973 | Enochrus | | count | Actual | | | | |
| 112973A | Enochrus | | count | Actual | | | | |
| 113039 | Cercyon | | count | Actual | | | | |
| 113106 | Helophorus | | count | Actual | | | | |
| 113148 | Helocombus | | count | Actual | | | | |
| 113149 | Helocombus bifidus | | count | Actual | | | | |
| 113150 | Helochares | | count | Actual | | | | |
| 113166 | Hydrochus | | count | Actual | | | | |
| 113196 | Hydrobius | | count | Actual | | | | |
| 113204 | Hydrophilus | | count | Actual | | | | |
| 114430 | Eurystethidae | | count | Actual | | | | |
| 115570 | Ceratopsyche | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HYDS | Hydropsychidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115398 | Hydropsychidae | | count | Actual | | | | |
| 115399 | Diplectrona | | count | Actual | | | | |
| 115402 | Diplectrona modesta | | count | Actual | | | | |
| 115408 | Cheumatopsyche | | count | Actual | | | | |
| 115409 | Cheumatopsyche campyla | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115453 | Hydropsyche | | count | Actual | | | | |
| 115454 | Hydropsyche betteni | | count | Actual | | | | |
| 115461 | Hydropsyche cuanis | | count | Actual | | | | |
| 115462 | Hydropsyche decalda | | count | Actual | | | | |
| 115463 | Hydropsyche demora | | count | Actual | | | | |
| 115472 | Hydropsyche leonardi | | count | Actual | | | | |
| 115480 | Hydropsyche scalaris | | count | Actual | | | | |
| 115482 | Hydropsyche valanis | | count | Actual | | | | |
| 115484 | Hydropsyche venularis | | count | Actual | | | | |
| 115527 | Hydropsyche sparna | | count | Actual | | | | |
| 115566 | Symphitopsyche | | count | Actual | | | | |
| 115577 | Symphitopsyche bronta | | count | Actual | | | | |
| 115579 | Ceratopsyche bronta | | count | Actual | | | | |
| 115580 | Ceratopsyche morosa | | count | Actual | | | | |
| 115582 | Symphitopsyche morosa | | count | Actual | | | | |
| 115584 | Ceratopsyche morosa bifida | | count | Actual | | | | |
| 115586 | Ceratopsyche slossonae | | count | Actual | | | | |
| 115588 | Symphitopsyche slossonae | | count | Actual | | | | |
| 115589 | Ceratopsyche sparna | | count | Actual | | | | |
| 115596 | Ceratopsyche alhedra | | count | Actual | | | | |
| 115598 | Symphitopsyche alhedra | | count | Actual | | | | |
| 115603 | Macrostemum | | count | Actual | | | | |
| 115604 | Macronemum | | count | Actual | | | | |
| 115605 | Macronema | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115608 | Macrostemum carolina | | count | Actual | | | | |
| 568782 | Ceratopsyche bifida | | count | Actual | | | | |
| BIFIDA | Symphitopsyche | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.HYDT | Hydroptilidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115629 | Hydroptilidae | | count | Actual | | | | |
| 115630 | Leucotrichia | | count | Actual | | | | |
| 115631 | Leucotrichia pictipes | | count | Actual | | | | |
| 115635 | Agraylea | | count | Actual | | | | |
| 115641 | Hydroptila | | count | Actual | | | | |
| 115714 | Ochrotrichia | | count | Actual | | | | |
| 115779 | Oxyethira | | count | Actual | | | | |
| 115817 | Stactobiella | | count | Actual | | | | |
| 115828 | Orthotrichia | | count | Actual | | | | |
| 115833 | Neotrichia | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.LAMP | Lampyridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 113836 | Photurus | | count | Actual | | | | |
| LAMPYRIS | Lampyridae | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.LEPC | Leptoceridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 116565 | Triaenodes | | count | Actual | | | | |
| 116575 | Triaenodes marginatus | | count | Actual | | | | |
| 116599 | Mystacides sepulchralis | | count | Actual | | | | |
| 206642 | Triaenodes abus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.LEPI | Lepidostomatidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 116793 | Lepidostomatidae | | count | Actual | | | | |
| 116794 | Lepidostoma | | count | Actual | | | | |
| 116897 | Theliopsyche | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.LEPT | Leptophlebiidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101095 | Leptophlebiidae | | count | Actual | | | | |
| 101108 | Choroterpes | | count | Actual | | | | |
| 101122 | Habrophlebiodes | | count | Actual | | | | |
| 101126 | Habrophlebiodes americana | | count | Actual | | | | |
| 101148 | Leptophlebia | | count | Actual | | | | |
| 101183 | Habrophlebia | | count | Actual | | | | |
| 101184 | Habrophlebia vibrans | | count | Actual | | | | |
| 101187 | Paraleptophlebia | | count | Actual | | | | |
| 116547 | Leptoceridae | | count | Actual | | | | |
| 116598 | Mystacides | | count | Actual | | | | |
| 116607 | Oecetis | | count | Actual | | | | |
| 116613 | Oecetis inconspicua | | count | Actual | | | | |
| 116643 | Oecetis georgia | | count | Actual | | | | |
| 116651 | Nectopsyche | | count | Actual | | | | |
| 116677 | Leptocerus | | count | Actual | | | | |
| 116678 | Leptocerus americanus | | count | Actual | | | | |
| 116684 | Ceraclea | | count | Actual | | | | |
| 116685 | Athripsodes | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.LIMN | Limnephilidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115933 | Limnephilidae | | count | Actual | | | | |
| 115935 | Apatania | | count | Actual | | | | |
| 115989 | Pseudostenophylax | | count | Actual | | | | |
| 115995 | Hydatophylax | | count | Actual | | | | |
| 115996 | Astenophylax | | count | Actual | | | | |
| 116001 | Hesperophylax | | count | Actual | | | | |
| 116046 | Neophylax | | count | Actual | | | | |
| 116069 | Limnephilus | | count | Actual | | | | |
| 116303 | Frenesia | | count | Actual | | | | |
| 116349 | Lenarchus | | count | Actual | | | | |
| 116382 | Ironoquia | | count | Actual | | | | |
| 116383 | Caborius | | count | Actual | | | | |
| 116407 | Platycentropus | | count | Actual | | | | |
| 116409 | Pycnopsyche | | count | Actual | | | | |
| 116423 | Goera | | count | Actual | | | | |
| 116432 | Nemotaulius | | count | Actual | | | | |
| 116433 | Glyphotaelius | | count | Actual | | | | |
| 116462 | Goerita | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.METR | Metretopodidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101078 | Metretopodidae | | count | Actual | | | | |
| 101079 | Siphloplecton | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.MOLA | Molannidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 116473 | Molannidae | | count | Actual | | | | |
| 116474 | Molanna | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.MUSC | Muscidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 150025 | Muscidae | | count | Actual | | | | |
| 150730 | Limnophora | | count | Actual | | | | |
| 150756 | Lispe | | count | Actual | | | | |
| 150805 | Lispoides | | count | Actual | | | | |
| 150806 | Lispoides aequifrons | | count | Actual | | | | |
| 150807 | Limnophora aequifrons | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.NOTE | Noteridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 112606 | Hydrocanthus | | count | Actual | | | | |
| 112623 | Noteridae | | count | Actual | | | | |
| 112623A | Noteridae | | count | Actual | | | | |
| 112626 | Hydrocanthus iricolor | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.ODON | Odontoceridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103943 | Hydrometra martini | | count | Actual | | | | |
| 116496 | Odontoceridae | | count | Actual | | | | |
| 116497 | Psilotreta | | count | Actual | | | | |
| 116498 | Psilotreta frontalis | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.OLIG | Oligoneuriidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101029 | Oligoneuriidae | | count | Actual | | | | |
| 101041 | Isonychia | | count | Actual | | | | |
| 101045 | Isonychia bicolor | | count | Actual | | | | |
| 101060 | Isonychia sayi | | count | Actual | | | | |
| 101069 | Isonychia arida | | count | Actual | | | | |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.PARA | Parajulidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | | |
|---------------|----------------------------|------------------|-------------|-------------------|-----------------------|----------------------------------|---------------------------------|----------------------|
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 553115 | Parajulus | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.PECT | Pectinatellidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | | |
|---------------|----------------------------|------------------|-------------|-------------------|-----------------------|----------------------------------|---------------------------------|----------------------|
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 156731 | Pectinatella magnifica | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.PHIL | Philopotamidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | | |
|---------------|----------------------------|------------------|-------------|-------------------|-----------------------|----------------------------------|---------------------------------|----------------------|
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 115257 | Philopotamidae | | count | Actual | | | | |
| 115258 | Wormaldia | | count | Actual | | | | |
| 115273 | Chimarra | | count | Actual | | | | |
| 115276 | Chimarra obscura | | count | Actual | | | | |
| 115278 | Chimarra aterrima | | count | Actual | | | | |
| 115279 | Chimarra socia | | count | Actual | | | | |
| 115319 | Dolophilodes | | count | Actual | | | | |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.PHRY | Phryganeidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115867 | Phryganeidae | | count | Actual | | | | |
| 115868 | Ptilostomis | | count | Actual | | | | |
| 115882 | Agrypnia | | count | Actual | | | | |
| 115892 | Phryganea | | count | Actual | | | | |
| 115900 | Oligostomis | | count | Actual | | | | |
| 115911 | Banksiola | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.POLY | Polymitarcyidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101569 | Polymitarcyidae | | count | Actual | | | | |
| 101570 | Ephoron | | count | Actual | | | | |
| 101579 | Tortopus | | count | Actual | | | | |
| 115361 | Phylocentropus | | count | Actual | | | | |
| 117043 | Polycentropodidae | | count | Actual | | | | |
| 117044 | Polycentropus | | count | Actual | | | | |
| 117095 | Neureclipsis | | count | Actual | | | | |
| 117104 | Nyctiophylax | | count | Actual | | | | |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.POTA | Potamanthidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101509 | Potamanthidae | | count | Actual | | | | |
| 101510 | Potamanthus | | count | Actual | | | | |
| 568559 | Anthopotamus | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.PSEP | Psephenidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114069 | Psephenidae | | count | Actual | | | | |
| 114070 | Psephenus | | count | Actual | | | | |
| 114072 | Psephenus herricki | | count | Actual | | | | |
| 114087 | Ectopria | | count | Actual | | | | |
| 114088 | Ectopria nervosa | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.PSYC | Psychomyiidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115334 | Psychomyiidae | | count | Actual | | | | |
| 115335 | Psychomyia | | count | Actual | | | | |
| 115344 | Psychomyia nomada | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115350 | Tinodes | | count | Actual | | | | |
| 115391 | Lype | | count | Actual | | | | |
| 115392 | Lype diversa | | count | Actual | | | | |
| 125351 | Psychodidae | | count | Actual | | | | |
| 125392 | Maruina | | count | Actual | | | | |
| 125399 | Telmatoscopus | | count | Actual | | | | |
| 125400 | Telmatoscopus albipunctatus | | count | Actual | | | | |
| 125468 | Psychoda | | count | Actual | | | | |
| 125469 | Psychoda alternata | | count | Actual | | | | |
| 125514 | Pericoma | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.PTIL | Ptilodactylidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 114265 | Ptilodactylidae | | count | Actual | | | | |
| 114667 | Anchytarsus | | count | Actual | | | | |
| 114668 | Anchytarsus bicolor | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.PTYC | Ptychopteridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 125763 | Ptychopteridae | | count | Actual | | | | |
| 125765 | Bittacomorpha | | count | Actual | | | | |
| 125766 | Bittacomorpha clavipes | | count | Actual | | | | |
| 125786 | Ptychoptera | | count | Actual | | | | |
| 125794 | Ptychoptera quadrifasciata | | count | Actual | | | | |
| 125795 | Ptychoptera rufocincta | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.RHYA | Rhyacophilidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115096 | Rhyacophilidae | | count | Actual | | | | |
| 115097 | Rhyacophila | | count | Actual | | | | |
| 115128 | Rhyacophila amicis | | count | Actual | | | | |
| 115132 | Rhyacophila fenestra | | count | Actual | | | | |
| 115133 | Rhyacophila fuscula | | count | Actual | | | | |
| 115138 | Rhyacophila nigrita | | count | Actual | | | | |
| 115143 | Rhyacophila glaberrima | | count | Actual | | | | |
| 115149 | Rhyacophila manistee | | count | Actual | | | | |
| 115150 | Rhyacophila invaria | | count | Actual | | | | |
| 115162 | Rhyacophila melita | | count | Actual | | | | |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.SALD | Saldidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 104080 | Salda | | count | Actual | | | | |
| 104140 | Saldula | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.SCIO | Sciomyzidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 144653 | Sciomyzidae | | count | Actual | | | | |
| 144789 | Dictya | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.SERI | Sericostomatidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 116982 | Sericostomatidae | | count | Actual | | | | |
| 116983 | Agarodes | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.SIMU | Simuliidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 126640 | Simuliidae | | count | Actual | | | | |
| 126649 | Cnephia | | count | Actual | | | | |
| 126650 | Cnephia dacotensis | | count | Actual | | | | |
| 126658 | Cnephia mutata | | count | Actual | | | | |
| 126667 | Greniera | | count | Actual | | | | |
| 126668 | Greniera abdita | | count | Actual | | | | |
| 126703 | Prosimulium | | count | Actual | | | | |
| 126733 | Prosimulium magnum | | count | Actual | | | | |
| 126774 | Simulium | | count | Actual | | | | |
| 126808 | Simulium decorum | | count | Actual | | | | |
| 126833 | Simulium tuberosum | | count | Actual | | | | |
| 126883 | Simulium turmale | | count | Actual | | | | |
| 126892 | Simulium venustum | | count | Actual | | | | |
| 126903 | Simulium vittatum | | count | Actual | | | | |
| 126918 | Simulium aureum | | count | Actual | | | | |
| 141417 | Syritta | | count | Actual | | | | |
| 553076 | Prosimulium hirtipes | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.SIPH | Siphonuridae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100951 | Siphonuridae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100953 | Siphonurus | | count | Actual | | | | |
| 100982 | Parameletus | | count | Actual | | | | |
| 100996 | Ameletus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.STAP | Staphylinidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 113265 | Staphylinidae | | count | Actual | | | | |
| 113304 | Bledius | | count | Actual | | | | |
| 113576 | Stenus | | count | Actual | | | | |
| 113756 | Phytosus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.STRA | Stratiomyidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 130150 | Stratiomyidae | | count | Actual | | | | |
| 130573 | Odontomyia | | count | Actual | | | | |
| 130627 | Stratiomys | | count | Actual | | | | |
| 130694 | Nemotelus | | count | Actual | | | | |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.SYRP | Syrphidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 139621 | Syrphidae | | count | Actual | | | | |
| 141419 | Syrpitta pipiens | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.TABA | Tabanidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 130934 | Tabanidae | | count | Actual | | | | |
| 131078 | Chrysops | | count | Actual | | | | |
| 131527 | Tabanus | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.TANY | Tanyderidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 125799 | Tanyderidae | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BF.TELL | Tellinidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 81055 | Macoma tenta | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.TIPU | Tipulidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 118840 | Tipulidae | | count | Actual | | | | |
| 118890 | Holorusia | | count | Actual | | | | |
| 119008 | Prionocera | | count | Actual | | | | |
| 119037 | Tipula | | count | Actual | | | | |
| 119041 | Tipula abdominalis | | count | Actual | | | | |
| 119269 | Tipula ignobilis | | count | Actual | | | | |
| 119645 | Phalacrocera | | count | Actual | | | | |
| 119656 | Antocha | | count | Actual | | | | |
| 119690 | Helius | | count | Actual | | | | |
| 119697 | Elliptera | | count | Actual | | | | |
| 119704 | Limonia | | count | Actual | | | | |
| 119938 | Limonia rostrata | | count | Actual | | | | |
| 120049 | Dactylolabis | | count | Actual | | | | |
| 120094 | Hexatoma | | count | Actual | | | | |
| 120129 | Hexatoma fultonensis | | count | Actual | | | | |
| 120141 | Hexatoma megacera | | count | Actual | | | | |
| 120153 | Hexatoma spinosa | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 120164 | Limnophila | | count | Actual | | | | |
| 120335 | Pilaria | | count | Actual | | | | |
| 120353 | Pilaria tenuipes | | count | Actual | | | | |
| 120365 | Pseudolimnophila | | count | Actual | | | | |
| 120503 | Erioptera | | count | Actual | | | | |
| 120515 | Erioptera cana | | count | Actual | | | | |
| 120519 | Erioptera chlorophylla | | count | Actual | | | | |
| 120640 | Gonomyia | | count | Actual | | | | |
| 120732 | Hesperoconopa | | count | Actual | | | | |
| 120758 | Molophilus | | count | Actual | | | | |
| 120830 | Ormosia | | count | Actual | | | | |
| 121027 | Dicranota | | count | Actual | | | | |
| 121118 | Pedicia | | count | Actual | | | | |
| 128776 | Limnophyes | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.TORR | Torrenticolidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 83254 | Torrenticola | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BF.TRIC | Tricorythidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101404 | Tricorythidae | | count | Actual | | | | |
| 101405 | Tricorythodes | | count | Actual | | | | |
| 101407 | Tricorythodes allectus | | count | Actual | | | | |
| 115569 | Symphitopsyche riola | | count | Actual | | | | |
| 115590 | Symphitopsyche sparna | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| BFBM | BFBM Lab Measurements | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, corrected for pheophytin | ug/l | Total | Calculated | | | | | 445 | |
| P32209 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Calculated | | | | | 445 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BK.ANIM | Animalia | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 154400 | Chilopoda | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO. VENE | Veneroida | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.AMPH | Amphipoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|-----------------|--------------------------|---------------|
| 193517 | Crangonyx serratus | | count | Actual | | | | |
| 93745 | Gammaridae | | count | Actual | | | | |
| 93773 | Gammarus | | count | Actual | | | | |
| 93780 | Gammarus fasciatus | | count | Actual | | | | |
| 93862 | Stygonectes | | count | Actual | | | | |
| 93908 | Stygonectes indentatus | | count | Actual | | | | |
| 93947 | Synurella | | count | Actual | | | | |
| 93949 | Synurella chamberlaini | | count | Actual | | | | |
| 94025 | Hyalella | | count | Actual | | | | |
| 94026 | Hyalella azteca | | count | Actual | | | | |
| 95032 | Talitridae | | count | Actual | | | | |
| 95081 | Crangonyx | | count | Actual | | | | |
| 95082 | Crangonyx pseudogracilis | | count | Actual | | | | |
| 95088 | Crangonyx richmondensis | | count | Actual | | | | |
| 95098 | Crangonyx shoemakeri | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.BIVA | Bivalvia | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.BRYO | Bryozoa | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 155543 | Paludicellidae | | count | Actual | | | | |
| 155544 | Paludicella | | count | Actual | | | | |
| 155546 | Paludicella articulata | | count | Actual | | | | |
| 156690 | Plumatellidae | | count | Actual | | | | |
| 156691 | Plumatella | | count | Actual | | | | |
| 156692 | Plumatella repens | | count | Actual | | | | |
| 156693 | Plumatella casmiana | | count | Actual | | | | |
| 156694 | Plumatella fruticosa | | count | Actual | | | | |
| 156702 | Hyalinella | | count | Actual | | | | |
| 156705 | Hyalinella punctata | | count | Actual | | | | |
| 156708 | Cristatellidae | | count | Actual | | | | |
| 156709 | Cristatella | | count | Actual | | | | |
| 156710 | Cristatella mucedo | | count | Actual | | | | |
| 156721 | Fredericellidae | | count | Actual | | | | |
| 156722 | Fredericella | | count | Actual | | | | |
| 156723 | Fredericella sultana | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.CALA | Calanoida | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 85778 | Osphranticum labronectum | | count | Actual | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.CHIL | Chilopoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 553112 | Geophilus | | count | Actual | | | | |
| 553113 | Lithobius | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.CLAD | Cladocera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 83834 | Sididae | | count | Actual | | | | |
| 83861 | Sida | | count | Actual | | | | |
| 83864 | Latona | | count | Actual | | | | |
| 83865 | Latona setifera | | count | Actual | | | | |
| 83869 | Latonopsis | | count | Actual | | | | |
| 83872 | Daphniidae | | count | Actual | | | | |
| 83873 | Daphnia | | count | Actual | | | | |
| 83899 | Simocephalus | | count | Actual | | | | |
| 83900 | Simocephalus exspinosus | | count | Actual | | | | |
| 83902 | Simocephalus vetulus | | count | Actual | | | | |
| 83905 | Ceriodaphnia | | count | Actual | | | | |
| 83920 | Scapholeberis | | count | Actual | | | | |
| 83973 | Chydoridae | | count | Actual | | | | |
| 83992 | Chydorus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 84016 | Eurycercus | | count | Actual | | | | |
| 84017 | Eurycercus lamellatus | | count | Actual | | | | |
| 84116 | Macrothricidae | | count | Actual | | | | |
| 84132 | Ilyocryptus | | count | Actual | | | | |
| 84134 | Ilyocryptus sordidus | | count | Actual | | | | |
| 84137 | Ilyocryptus acutifrons | | count | Actual | | | | |
| 84150 | Acantholeberis | | count | Actual | | | | |
| 84151 | Acantholeberis curvirostris | | count | Actual | | | | |
| OPHRYOXU | Macrothricidae | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.COEL | Coelenterata | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 48892 | Cordylophora | | count | Actual | | | | |
| 48894 | Cordylophora lacustris | | count | Actual | | | | |
| 50844 | Hydridae | | count | Actual | | | | |
| 50845 | Hydra | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.COLE | Coleoptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 112606 | Noteridae | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.COLL | Collembola | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 100077 | Xenylla | | count | Actual | | | | |
| 100109 | Tafallia | | count | Actual | | | | |
| 100110 | Hoffia | | count | Actual | | | | |
| 100114 | Hypogastruridae | sp.1 | count | Actual | | | | |
| 100181 | Anurida | | count | Actual | | | | |
| 100226 | Neanura | | count | Actual | | | | |
| 99237 | Collembola | | count | Actual | | | | |
| 99239 | Poduridae | | count | Actual | | | | |
| 99240 | Podura | | count | Actual | | | | |
| 99241 | Podura aquatica | | count | Actual | | | | |
| 99245 | Isotomidae | | count | Actual | | | | |
| 99246 | Isotomurus | | count | Actual | | | | |
| 99247 | Isotomurus palustris | | count | Actual | | | | |
| 99314 | Isotoma | | count | Actual | | | | |
| 99395 | Folsomia | | count | Actual | | | | |
| 99502 | Archisotoma | | count | Actual | | | | |
| 99546 | Onychiuridae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 99547 | Tullbergia | | count | Actual | | | | |
| 99579 | Onychiurus | | count | Actual | | | | |
| 99643 | Entomobryidae | | count | Actual | | | | |
| 99645 | Entomobrya | | count | Actual | | | | |
| 99864 | Cyphoderus | | count | Actual | | | | |
| 99888 | Tomocerus | | count | Actual | | | | |
| 99917 | Hypogastruridae | | count | Actual | | | | |
| 99918 | Hypogastrura | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.COPE | Copepoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 572734 | Macrocyclus fuscus | | count | Actual | | | | |
| 85779 | Diaptomidae | | count | Actual | | | | |
| 85780 | Diaptomus | | count | Actual | | | | |
| 88234 | Attheyella illinoisensis | | count | Actual | | | | |
| 88634 | Cyclopidae | | count | Actual | | | | |
| 88640 | Cyclops | | count | Actual | | | | |
| 88641 | Cyclops vernalis | | count | Actual | | | | |
| 88681 | Cyclops viridis | | count | Actual | | | | |
| 88691 | Mesocyclops | | count | Actual | | | | |
| 88719 | Eucyclops | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 88720 | Eucyclops agilis | | count | Actual | | | | |
| 88731 | Paracyclops | | count | Actual | | | | |
| 88737 | Macrocyclus | | count | Actual | | | | |
| 88738 | Macrocyclus albidus | | count | Actual | | | | |
| 88755 | Orthocyclops | | count | Actual | | | | |
| 88756 | Orthocyclops modestus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.DECA | Decapoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 96213 | Palaemonidae | | count | Actual | | | | |
| 96383 | Palaemonetes | | count | Actual | | | | |
| 96385 | Palaemonetes paludosus | | count | Actual | | | | |
| 97324 | Astacidae | | count | Actual | | | | |
| 97336 | Cambaridae | | count | Actual | | | | |
| 97337 | Cambarus | | count | Actual | | | | |
| 97343 | Cambarus bartonii | | count | Actual | | | | |
| 97421 | Orconectes | | count | Actual | | | | |
| 97423 | Orconectes limosus | | count | Actual | | | | |
| 97461 | Orconectes menae | | count | Actual | | | | |
| 97473 | Orconectes propinquus | | count | Actual | | | | |
| 97490 | Procambarus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 97492 | Procambarus acutus | | count | Actual | | | | |
| ORTMANN2 | Astacidae | sp.2 | count | Actual | | | | |
| ORTMANNI | Astacidae | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.DIPL | Diplopoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 189352 | Oxidus gracilis | | count | Actual | | | | |
| 569169 | Cambala | | count | Actual | | | | |
| 569929 | Cambala annulata | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.GAST | Gastropoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 205210 | Menetus dilatatus | | count | Actual | | | | |
| 205211 | Planorbella trivolvis trivolvis | | count | Actual | | | | |
| 553117 | Physella heterostropha pomila | | count | Actual | | | | |
| 566959 | Cionella | | count | Actual | | | | |
| 567367 | Cionella lubrica | | count | Actual | | | | |
| 69459 | Gastropoda | | count | Actual | | | | |
| 70304 | Viviparidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 70305 | Viviparus | | count | Actual | | | | |
| 70307 | Viviparus georgianus | | count | Actual | | | | |
| 70311 | Campeloma | | count | Actual | | | | |
| 70312 | Campeloma decisum | | count | Actual | | | | |
| 70345 | Valvatidae | | count | Actual | | | | |
| 70346 | Valvata | | count | Actual | | | | |
| 70354 | Valvata tricarinata | | count | Actual | | | | |
| 70355 | Valvata bicarinata | | count | Actual | | | | |
| 70357 | Valvata bicarinata normalis | | count | Actual | | | | |
| 70493 | Hydrobiidae | | count | Actual | | | | |
| 70494 | Hydrobia | | count | Actual | | | | |
| 70545 | Lyogyrus | | count | Actual | | | | |
| 70546 | Lyogyrus granum | | count | Actual | | | | |
| 70548 | Somatogyrus | | count | Actual | | | | |
| 70664 | Gillia | | count | Actual | | | | |
| 70665 | Gillia altilis | | count | Actual | | | | |
| 70689 | Paludestrema | | count | Actual | | | | |
| 70690 | Paludestrema bottimeri | | count | Actual | | | | |
| 70747 | Amnicola | | count | Actual | | | | |
| 70748 | Amnicola limosus | | count | Actual | | | | |
| 71541 | Pleuroceridae | | count | Actual | | | | |
| 71549 | Pleurocera | | count | Actual | | | | |
| 71550 | Pleurocera acuta | | count | Actual | | | | |
| 71601 | Leptoaxis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 71654 | Elimia | | count | Actual | | | | |
| 71851 | Elimia virginica | | count | Actual | | | | |
| 71879 | Lithasia | | count | Actual | | | | |
| 71885 | Lithasia obovata | | count | Actual | | | | |
| 76483 | Lymnaeidae | | count | Actual | | | | |
| 76497 | Fossaria | | count | Actual | | | | |
| 76504 | Fossaria obrussa | | count | Actual | | | | |
| 76528 | Pseudosuccinea | | count | Actual | | | | |
| 76529 | Pseudosuccinea columella | | count | Actual | | | | |
| 76534 | Stagnicola | | count | Actual | | | | |
| 76535 | Stagnicola caperata | | count | Actual | | | | |
| 76538 | Stagnicola catascopium | | count | Actual | | | | |
| 76568 | Ancylidae | | count | Actual | | | | |
| 76569 | Ferrissia | | count | Actual | | | | |
| 76571 | Ferrissia parallela | | count | Actual | | | | |
| 76572 | Ferrissia rivularis | | count | Actual | | | | |
| 76576 | Laevapex | | count | Actual | | | | |
| 76577 | Laevapex fuscus | | count | Actual | | | | |
| 76591 | Planorbidae | | count | Actual | | | | |
| 76592 | Gyraulus | | count | Actual | | | | |
| 76593 | Gyraulus circumstriatus | | count | Actual | | | | |
| 76594 | Gyraulus deflectus | | count | Actual | | | | |
| 76595 | Gyraulus parvus | | count | Actual | | | | |
| 76599 | Helisoma | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 76600 | Helisoma anceps | | count | Actual | | | | |
| 76601 | Helisoma anceps anceps | | count | Actual | | | | |
| 76611 | Helisoma trivolvis | | count | Actual | | | | |
| 76621 | Promenetus | | count | Actual | | | | |
| 76622 | Promenetus exacuus | | count | Actual | | | | |
| 76626 | Menetus | | count | Actual | | | | |
| 76629 | Planorbula | | count | Actual | | | | |
| 76630 | Planorbula armigera | | count | Actual | | | | |
| 76654 | Planorbella | | count | Actual | | | | |
| 76671 | Planorbella trivolvis | | count | Actual | | | | |
| 76676 | Physidae | | count | Actual | | | | |
| 76677 | Physa | | count | Actual | | | | |
| 76695 | Aplexa | | count | Actual | | | | |
| 76697 | Aplexa elongata | | count | Actual | | | | |
| 76698 | Physella | | count | Actual | | | | |
| 76715 | Physella vinosa | | count | Actual | | | | |
| 76735 | Physella gyrina | | count | Actual | | | | |
| 76736 | Physella heterostropha | | count | Actual | | | | |
| 76738 | Physella integra | | count | Actual | | | | |
| 77290 | Zonitoides | | count | Actual | | | | |
| 77291 | Zonitoides arboreus | | count | Actual | | | | |
| 77369 | Helicodiscus parallelus | | count | Actual | | | | |
| 77395 | Discus | | count | Actual | | | | |
| 77399 | Discus cronkhitei | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------------------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| AUREA | Physella | sp.1 | count | Actual | | | | |
| CYLINDRI | Physella | sp.2 | count | Actual | | | | |
| GYRINA AUREA | Physella | sp.1 | count | Actual | | | | |
| GYRINA CYLINDRICA | Physella | sp.2 | count | Actual | | | | |
| INTEGRA | Physella | sp.3 | count | Actual | | | | |
| INTEGRA BREVISPIRA | Physella | sp.4 | count | Actual | | | | |
| INTEGRA INTEGRA | Physella | sp.5 | count | Actual | | | | |
| LIMOLIMO | Amnicola | sp.1 | count | Actual | | | | |
| SUCCINEA | Lymnaeidae | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.HAPL | Haplotaxida | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68898 | Dero | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.HEMI | Hemiptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103364 | Corixidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103365 | Ramphocorixa | | count | Actual | | | | |
| 103369 | Sigara | | count | Actual | | | | |
| 103423 | Trichocorixa | | count | Actual | | | | |
| 103431 | Trichocorixa verticalis | | count | Actual | | | | |
| 103444 | Hesperocorixa | | count | Actual | | | | |
| 103491 | Palmacorixa | | count | Actual | | | | |
| 103514 | Callicorixa | | count | Actual | | | | |
| 103557 | Notonectidae | | count | Actual | | | | |
| 103558 | Notonecta | | count | Actual | | | | |
| 103568 | Notonecta undulata | | count | Actual | | | | |
| 103573 | Notonecta irrorata | | count | Actual | | | | |
| 103575 | Notonecta uhleri | | count | Actual | | | | |
| 103576 | Notonecta insulata | | count | Actual | | | | |
| 103583 | Buenoa | | count | Actual | | | | |
| 103587 | Metrobates | | count | Actual | | | | |
| 103602 | Pleidae | | count | Actual | | | | |
| 103603 | Neoplea | | count | Actual | | | | |
| 103604 | Neoplea striola | | count | Actual | | | | |
| 103683 | Belostomatidae | | count | Actual | | | | |
| 103684 | Belostoma | | count | Actual | | | | |
| 103699 | Lethocerus | | count | Actual | | | | |
| 103709 | Lethocerus americanus | | count | Actual | | | | |
| 103747 | Nepidae | | count | Actual | | | | |
| 103748 | Ranatra | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103765 | Nepa | | count | Actual | | | | |
| 103766 | Nepa apiculata | | count | Actual | | | | |
| 103801 | Gerridae | | count | Actual | | | | |
| 103802 | Rheumatobates | | count | Actual | | | | |
| 103811 | Trepobates | | count | Actual | | | | |
| 103815 | Trepobates pictus | | count | Actual | | | | |
| 103829 | Gerris | | count | Actual | | | | |
| 103840 | Gerris marginatus | | count | Actual | | | | |
| 103841 | Gerris remigis | | count | Actual | | | | |
| 103859 | Metrobates hesperius | | count | Actual | | | | |
| 103885 | Veliidae | | count | Actual | | | | |
| 103886 | Rhagovelia | | count | Actual | | | | |
| 103887 | Rhagovelia obesa | | count | Actual | | | | |
| 103900 | Microvelia | | count | Actual | | | | |
| 103910 | Microvelia pulchella | | count | Actual | | | | |
| 103953 | Mesoveliidae | | count | Actual | | | | |
| 103954 | Mesovelia | | count | Actual | | | | |
| 103956 | Mesovelia mulsanti | | count | Actual | | | | |
| AQUARIUS | Gerridae | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.HETE | Heteroptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103613 | Naucoridae | | count | Actual | | | | |
| 103866 | Rhagovelia | | count | Actual | | | | |
| 103965 | Hebrus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.HIRU | Hirudinea | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 69296 | Piscicolidae | | count | Actual | | | | |
| 69304 | Piscicola | | count | Actual | | | | |
| 69306 | Piscicola punctata | | count | Actual | | | | |
| 69315 | Myzobdella | | count | Actual | | | | |
| 69316 | Myzobdella lugubris | | count | Actual | | | | |
| 69357 | Glossiphoniidae | | count | Actual | | | | |
| 69358 | Batracobdella | | count | Actual | | | | |
| 69359 | Batracobdella paludosa | | count | Actual | | | | |
| 69362 | Batracobdella picta | | count | Actual | | | | |
| 69363 | Placobdella | | count | Actual | | | | |
| 69364 | Placobdella papillifera | | count | Actual | | | | |
| 69365 | Placobdella parasitica | | count | Actual | | | | |
| 69366 | Placobdella ornata | | count | Actual | | | | |
| 69367 | Placobdella multilineata | | count | Actual | | | | |
| 69368 | Placobdella montifera | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 69369 | Placobdella hollensis | | count | Actual | | | | |
| 69372 | Placobdella translucens | | count | Actual | | | | |
| 69373 | Placobdella phalera | | count | Actual | | | | |
| 69374 | Batracobdella phalera | | count | Actual | | | | |
| 69380 | Glossiphonia | | count | Actual | | | | |
| 69382 | Marvinmeyeria | | count | Actual | | | | |
| 69384 | Actinobdella | | count | Actual | | | | |
| 69388 | Alboglossiphonia | | count | Actual | | | | |
| 69389 | Alboglossiphonia heteroclita | | count | Actual | | | | |
| 69394 | Oligobdella | | count | Actual | | | | |
| 69395 | Oligobdella biannulata | | count | Actual | | | | |
| 69396 | Helobdella | | count | Actual | | | | |
| 69397 | Helobdella elongata | | count | Actual | | | | |
| 69398 | Helobdella stagnalis | | count | Actual | | | | |
| 69399 | Helobdella triserialis | | count | Actual | | | | |
| 69401 | Helobdella fusca | | count | Actual | | | | |
| 69407 | Hirudinidae | | count | Actual | | | | |
| 69408 | Haemopsis | | count | Actual | | | | |
| 69412 | Haemopsis marmorata | | count | Actual | | | | |
| 69438 | Erpobdellidae | | count | Actual | | | | |
| 69439 | Dina | | count | Actual | | | | |
| 69443 | Dina anoculata | | count | Actual | | | | |
| 69444 | Erpobdella | | count | Actual | | | | |
| 69445 | Erpobdella punctata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 69446 | Erpobdella punctata punctata | | count | Actual | | | | |
| 69449 | Mooreobdella | | count | Actual | | | | |
| 69450 | Mooreobdella microstoma | | count | Actual | | | | |
| 69451 | Mooreobdella fervida | | count | Actual | | | | |
| 69453 | Mooreobdella melanostoma | | count | Actual | | | | |
| 69454 | Mooreobdella tetragon | | count | Actual | | | | |
| 69455 | Nephelopsis | | count | Actual | | | | |
| 69456 | Nephelopsis obscura | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.HYDR | Hydracarina | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 82769 | Trombidiformes | | count | Actual | | | | |
| 82862 | Arrenuridae | | count | Actual | | | | |
| 82864 | Arrenurus | | count | Actual | | | | |
| 82974 | Aturus | | count | Actual | | | | |
| 83005 | Sperchonidae | | count | Actual | | | | |
| 83006 | Sperchon | | count | Actual | | | | |
| 83029 | Sperchonopsis | | count | Actual | | | | |
| 83031 | Sperchonopsis verrucosa | | count | Actual | | | | |
| 83033 | Lebertiidae | | count | Actual | | | | |
| 83034 | Lebertia | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 83050 | Limnesiidae | | count | Actual | | | | |
| 83051 | Limnesia | | count | Actual | | | | |
| 83068 | Tyrrellia | | count | Actual | | | | |
| 83072 | Unionicolidae | | count | Actual | | | | |
| 83073 | Unionicola | | count | Actual | | | | |
| 83093 | Koenikea | | count | Actual | | | | |
| 83103 | Neumania | | count | Actual | | | | |
| 83172 | Wandesia | | count | Actual | | | | |
| 83212 | Hydryphantidae | | count | Actual | | | | |
| 83213 | Hydryphantes | | count | Actual | | | | |
| 83240 | Frontipoda | | count | Actual | | | | |
| 83241 | Frontipoda americana | | count | Actual | | | | |
| 83281 | Hygrobatidae | | count | Actual | | | | |
| 83282 | Atractides | | count | Actual | | | | |
| 83297 | Hygrobates | | count | Actual | | | | |
| 83330 | Pionidae | | count | Actual | | | | |
| 83342 | Hydrochoreutes | | count | Actual | | | | |
| 83344 | Hydrochoreutes ungulatus | | count | Actual | | | | |
| 83350 | Piona | | count | Actual | | | | |
| 83434 | Axonopsidae | | count | Actual | | | | |
| 83444 | Brachypoda | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.ISOP | Isopoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 206378 | Oniscus | | count | Actual | | | | |
| 206379 | Oniscus asellus | | count | Actual | | | | |
| 553075 | Cylisticus | | count | Actual | | | | |
| 92657 | Asellidae | | count | Actual | | | | |
| 92658 | Asellus | | count | Actual | | | | |
| 92661 | Asellus obtusus | | count | Actual | | | | |
| 92663 | Asellus communis | | count | Actual | | | | |
| 92666 | Lirceus | | count | Actual | | | | |
| 92668 | Lirceus fontinalis | | count | Actual | | | | |
| 92671 | Lirceus lineatus | | count | Actual | | | | |
| 92679 | Lirceus brachyurus | | count | Actual | | | | |
| 92686 | Caecidotea | | count | Actual | | | | |
| 92693 | Caecidotea racovitzai | | count | Actual | | | | |
| 92694 | Caecidotea racovitzai racovitzai | | count | Actual | | | | |
| 92701 | Caecidotea forbesi | | count | Actual | | | | |
| 92702 | Asellus forbesi (Archaic) | | count | Actual | | | | |
| 92705 | Caecidotea nodulus | | count | Actual | | | | |
| 92706 | Asellus nodulus | | count | Actual | | | | |
| 93262 | Oniscidae | | count | Actual | | | | |
| 93272 | Porcellionides | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.LEPI | Lepidoptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 117641 | Pyralidae | | count | Actual | | | | |
| 117642 | Paraponyx | | count | Actual | | | | |
| 117654 | Synclita | | count | Actual | | | | |
| 117659 | Nymphula | | count | Actual | | | | |
| 117665 | Elophila | | count | Actual | | | | |
| 117682 | Petrophila | | count | Actual | | | | |
| 117683 | Parargyractis | | count | Actual | | | | |
| 117714 | Parapoynx | | count | Actual | | | | |
| 117741 | Acentria | | count | Actual | | | | |
| 117758 | Nymphuliella | | count | Actual | | | | |
| 118745 | Nepticulidae | | count | Actual | | | | |
| 118746 | Nepticula | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.LUMB | Lumbriculidae | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68422 | Oligochaeta | | count | Actual | | | | |
| 68452 | Stylodrilus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.MEGA | Megaloptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115001 | Sialidae | | count | Actual | | | | |
| 115002 | Sialis | | count | Actual | | | | |
| 115010 | Sialis mohri | | count | Actual | | | | |
| 115011 | Sialis velata | | count | Actual | | | | |
| 115016 | Sialis hasta | | count | Actual | | | | |
| 115017 | Sialis iola | | count | Actual | | | | |
| 115018 | Sialis joppa | | count | Actual | | | | |
| 115023 | Corydalidae | | count | Actual | | | | |
| 115024 | Chauliodes | | count | Actual | | | | |
| 115025 | Chauliodes rastricornis | | count | Actual | | | | |
| 115027 | Chauliodes pectinicornis | | count | Actual | | | | |
| 115028 | Nigronia | | count | Actual | | | | |
| 115029 | Nigronia fasciatus | | count | Actual | | | | |
| 115031 | Nigronia serricornis | | count | Actual | | | | |
| 115033 | Corydalus | | count | Actual | | | | |
| 115034 | Corydalus cornutus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.NEMA | Nematoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 59490 | Nematoda | | count | Actual | | | | |

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|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.NEME | Nemertea | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 193496 | Prostoma rubrum | | count | Actual | | | | |
| 57556 | Tetrastemmatidae | | count | Actual | | | | |
| 57577 | Prostoma | | count | Actual | | | | |
| 57578 | Prostoma graecense | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.NEUR | Neuroptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115086 | Climacia | | count | Actual | | | | |
| 115087 | Climacia areolaris | | count | Actual | | | | |
| 115090 | Sisyra | | count | Actual | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BO.ODON | Odonata | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101596 | Aeshnidae | | count | Actual | | | | |
| 101597 | Anax | | count | Actual | | | | |
| 101598 | Anax junius | | count | Actual | | | | |
| 101602 | Aeschna | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101603 | Aeshna | | count | Actual | | | | |
| 101614 | Aeschna interrupta | | count | Actual | | | | |
| 101634 | Gomphaeschna | | count | Actual | | | | |
| 101635 | Gomphaeschna furcillata | | count | Actual | | | | |
| 101645 | Boyeria | | count | Actual | | | | |
| 101647 | Boyeria vinosa | | count | Actual | | | | |
| 101648 | Basiaeschna | | count | Actual | | | | |
| 101649 | Basiaeschna janata | | count | Actual | | | | |
| 101664 | Gomphidae | | count | Actual | | | | |
| 101665 | Gomphus | | count | Actual | | | | |
| 101679 | Gomphus exilis | | count | Actual | | | | |
| 101714 | Gomphus spicatus | | count | Actual | | | | |
| 101718 | Progomphus | | count | Actual | | | | |
| 101720 | Progomphus obscurus | | count | Actual | | | | |
| 101730 | Dromogomphus | | count | Actual | | | | |
| 101732 | Dromogomphus spinosus | | count | Actual | | | | |
| 101734 | Hagenius | | count | Actual | | | | |
| 101735 | Hagenius brevistylus | | count | Actual | | | | |
| 101736 | Octogomphus | | count | Actual | | | | |
| 101738 | Ophiogomphus | | count | Actual | | | | |
| 101761 | Stylogomphus | | count | Actual | | | | |
| 101762 | Stylogomphus albistylus | | count | Actual | | | | |
| 101766 | Lanthus | | count | Actual | | | | |
| 101767 | Lanthus albistylus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101768 | Lanthus parvulus | | count | Actual | | | | |
| 101770 | Arigomphus | | count | Actual | | | | |
| 101797 | Libellulidae | | count | Actual | | | | |
| 101798 | Pachydiplax | | count | Actual | | | | |
| 101799 | Pachydiplax longipennis | | count | Actual | | | | |
| 101803 | Perithemis | | count | Actual | | | | |
| 101808 | Plathemis | | count | Actual | | | | |
| 101809 | Plathemis lydia | | count | Actual | | | | |
| 101818 | Tamea | | count | Actual | | | | |
| 101820 | Tamea carolina | | count | Actual | | | | |
| 101851 | Didymops | | count | Actual | | | | |
| 101852 | Didymops transversa | | count | Actual | | | | |
| 101854 | Dorocordulia | | count | Actual | | | | |
| 101862 | Epicordulia | | count | Actual | | | | |
| 101865 | Erythemis | | count | Actual | | | | |
| 101866 | Erythemis simplicicollis | | count | Actual | | | | |
| 101870 | Erythrodiplax | | count | Actual | | | | |
| 101878 | Helocordulia | | count | Actual | | | | |
| 101880 | Helocordulia uhleri | | count | Actual | | | | |
| 101893 | Libellula | | count | Actual | | | | |
| 101904 | Libellula vibrans | | count | Actual | | | | |
| 101910 | Libellula exusta | | count | Actual | | | | |
| 101918 | Macromia | | count | Actual | | | | |
| 101921 | Macromia illinoensis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101934 | Neurocordulia | | count | Actual | | | | |
| 101939 | Neurocordulia obsoleta | | count | Actual | | | | |
| 101947 | Somatochlora | | count | Actual | | | | |
| 101950 | Somatochlora tenebrosa | | count | Actual | | | | |
| 101959 | Somatochlora provocans | | count | Actual | | | | |
| 101966 | Somatochlora forcipata | | count | Actual | | | | |
| 101976 | Sympetrum | | count | Actual | | | | |
| 101994 | Tetragoneuria | | count | Actual | | | | |
| 102019 | Macromiidae | | count | Actual | | | | |
| 102020 | Corduliidae | | count | Actual | | | | |
| 102026 | Cordulegastridae | | count | Actual | | | | |
| 102027 | Cordulegaster | | count | Actual | | | | |
| 102028 | Cordulegaster diastatops | | count | Actual | | | | |
| 102031 | Cordulegaster maculata | | count | Actual | | | | |
| 102043 | Calopterygidae | | count | Actual | | | | |
| 102045 | Agrion | | count | Actual | | | | |
| 102048 | Hetaerina | | count | Actual | | | | |
| 102050 | Hetaerina americana | | count | Actual | | | | |
| 102052 | Calopteryx | | count | Actual | | | | |
| 102058 | Lestidae | | count | Actual | | | | |
| 102061 | Lestes | | count | Actual | | | | |
| 102072 | Lestes vigilax | | count | Actual | | | | |
| 102077 | Coenagrionidae | | count | Actual | | | | |
| 102078 | Ischnura | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 102079 | Ischnura verticalis | | count | Actual | | | | |
| 102082 | Ischnura posita | | count | Actual | | | | |
| 102091 | Anomalagrion | | count | Actual | | | | |
| 102093 | Amphiagrion | | count | Actual | | | | |
| 102102 | Enallagma | | count | Actual | | | | |
| 102112 | Enallagma exsulans | | count | Actual | | | | |
| 102129 | Enallagma hageni | | count | Actual | | | | |
| 102133 | Chromagrion | | count | Actual | | | | |
| 102134 | Chromagrion conditum | | count | Actual | | | | |
| 102135 | Nehalennia | | count | Actual | | | | |
| 102139 | Argia | | count | Actual | | | | |
| 102140 | Argia apicalis | | count | Actual | | | | |
| 102141 | Argia bipunctulata | | count | Actual | | | | |
| 102146 | Argia moesta | | count | Actual | | | | |
| 102154 | Argia violacea | | count | Actual | | | | |
| 103665 | Pelocoris | | count | Actual | | | | |
| 553072 | Perithemis domitia | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.OLIG | Oligochaeta | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 125854 | Dixella | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 204812 | Pristina schmiederi | | count | Actual | | | | |
| 68423 | Aeolosomatidae | | count | Actual | | | | |
| 68424 | Aeolosoma | | count | Actual | | | | |
| 68426 | Aeolosoma headleyi | | count | Actual | | | | |
| 68428 | Aeolosoma tenebrarum | | count | Actual | | | | |
| 68441 | Lumbriculus | | count | Actual | | | | |
| 68444 | Lumbricus variegatus | | count | Actual | | | | |
| 68450 | Stylogrilus | | count | Actual | | | | |
| 68473 | Eclipidrilus | | count | Actual | | | | |
| 68504 | Haplotaxidae | | count | Actual | | | | |
| 68505 | Haplotaxis | | count | Actual | | | | |
| 68507 | Haplotaxis gordioides | | count | Actual | | | | |
| 68510 | Enchytraeidae | | count | Actual | | | | |
| 68511 | Lumbricillus | | count | Actual | | | | |
| 68585 | Tubificidae | | count | Actual | | | | |
| 68588 | Peloscoclex | | count | Actual | | | | |
| 68609 | Peloscoclex ferox | | count | Actual | | | | |
| 68610 | Spirosperma ferox | | count | Actual | | | | |
| 68619 | Branchiura | | count | Actual | | | | |
| 68621 | Branchiura sowerbyi | | count | Actual | | | | |
| 68622 | Tubifex | | count | Actual | | | | |
| 68623 | Tubifex tubifex | | count | Actual | | | | |
| 68638 | Limnodrilus | | count | Actual | | | | |
| 68639 | Limnodrilus hoffmeisteri | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68644 | Limnodrilus udekemianus | | count | Actual | | | | |
| 68654 | Limnodrilus claparedianus | | count | Actual | | | | |
| 68679 | Aulodrilus | | count | Actual | | | | |
| 68680 | Aulodrilus pigueti | | count | Actual | | | | |
| 68684 | Aulodrilus plurisetia | | count | Actual | | | | |
| 68722 | Monopylephorus | | count | Actual | | | | |
| 68725 | Monopylephorus helobius | | count | Actual | | | | |
| 68759 | Telmatodrilus | | count | Actual | | | | |
| 68760 | Telmatodrilus vej dovskyi | | count | Actual | | | | |
| 68780 | Spirosperma | | count | Actual | | | | |
| 68781 | Spirosperma nikolskyi | | count | Actual | | | | |
| 68783 | Spirosperma beetoni | | count | Actual | | | | |
| 68793 | Quistradrilus | | count | Actual | | | | |
| 68794 | Quistradrilus multisetosus | | count | Actual | | | | |
| 68839 | Rhyacodrilus | | count | Actual | | | | |
| 68840 | Lumbriculidae | | count | Actual | | | | |
| 68854 | Naididae | | count | Actual | | | | |
| 68855 | Slavina | | count | Actual | | | | |
| 68856 | Slavina appendiculata | | count | Actual | | | | |
| 68871 | Stylaria | | count | Actual | | | | |
| 68872 | Stylaria lacustris | | count | Actual | | | | |
| 68873 | Stylaria fossularis | | count | Actual | | | | |
| 68876 | Pristina | | count | Actual | | | | |
| 68880 | Pristina breviseta | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68881 | Pristina foreli | | count | Actual | | | | |
| 68883 | Pristina longiseta | | count | Actual | | | | |
| 68885 | Pristina longiseta leidyi | | count | Actual | | | | |
| 68887 | Pristina osborni | | count | Actual | | | | |
| 68898 | Dero | | count | Actual | | | | |
| 68900 | Dero nivea | | count | Actual | | | | |
| 68902 | Dero flabelliger | | count | Actual | | | | |
| 68907 | Dero obtusa | | count | Actual | | | | |
| 68912 | Dero furcata | | count | Actual | | | | |
| 68915 | Dero vaga | | count | Actual | | | | |
| 68934 | Chaetogaster | | count | Actual | | | | |
| 68935 | Chaetogaster diaphanus | | count | Actual | | | | |
| 68938 | Chaetogaster diastrophus | | count | Actual | | | | |
| 68939 | Chaetogaster crystallinus | | count | Actual | | | | |
| 68943 | Chaetogaster limnaei | | count | Actual | | | | |
| 68946 | Nais | | count | Actual | | | | |
| 68947 | Nais barbata | | count | Actual | | | | |
| 68949 | Nais behningi | | count | Actual | | | | |
| 68950 | Nais communis | | count | Actual | | | | |
| 68952 | Nais elinguis | | count | Actual | | | | |
| 68954 | Nais pardalis | | count | Actual | | | | |
| 68956 | Nais pseudobtusa | | count | Actual | | | | |
| 68957 | Nais simplex | | count | Actual | | | | |
| 68959 | Nais variabilis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68961 | Nais bretscheri | | count | Actual | | | | |
| 68975 | Arcteonais | | count | Actual | | | | |
| 68976 | Arcteonais lomondi | | count | Actual | | | | |
| 68984 | Specaria | | count | Actual | | | | |
| 68985 | Specaria josinae | | count | Actual | | | | |
| 68995 | Ophidonais | | count | Actual | | | | |
| 68996 | Ophidonais serpentina | | count | Actual | | | | |
| 69009 | Vejdovskyella | | count | Actual | | | | |
| 69010 | Vejdovskyella comata | | count | Actual | | | | |
| 69024 | Pristinella | | count | Actual | | | | |
| 69026 | Pristinella osborni | | count | Actual | | | | |
| 69165 | Lumbricidae | | count | Actual | | | | |
| 69166 | Megascolecidae | | count | Actual | | | | |
| 69168 | Branchiobdellida | | count | Actual | | | | |
| 69169 | Branchiobdellidae | | count | Actual | | | | |
| 69258 | Cambarincola | | count | Actual | | | | |
| 69260 | Cambarincola macrodontus | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.OSTR | Ostracoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 181131 | Cypridae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 181132 | Candocypria | | count | Actual | | | | |
| 84463 | Eucypris | | count | Actual | | | | |
| 84476 | Eucypris virens | | count | Actual | | | | |
| 84481 | Cypria | | count | Actual | | | | |
| 84494 | Cypria maculata | | count | Actual | | | | |
| 84531 | Cypricercus | | count | Actual | | | | |
| 84565 | Physocypria | | count | Actual | | | | |
| 84568 | Cyprinotus | | count | Actual | | | | |
| 84591 | Herpetocypris | | count | Actual | | | | |
| 84618 | Cyclocypria | | count | Actual | | | | |
| 85132 | Candona | | count | Actual | | | | |
| 85208 | Paracandona | | count | Actual | | | | |
| 85213 | Cypridopsis | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.PELE | Pelecypoda | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 103124 | Isogenoides | | count | Actual | | | | |
| 112737 | Sphaeriidae | | count | Actual | | | | |
| 79913 | Unionidae | | count | Actual | | | | |
| 79915 | Alasmidonta | | count | Actual | | | | |
| 79919 | Alasmidonta undulata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 79930 | Anodonta | | count | Actual | | | | |
| 79932 | Anodonta cataracta | | count | Actual | | | | |
| 79941 | Anodonta implicata | | count | Actual | | | | |
| 79951 | Elliptio | | count | Actual | | | | |
| 79952 | Elliptio complanata | | count | Actual | | | | |
| 80150 | Strophitus | | count | Actual | | | | |
| 80151 | Strophitus undulatus | | count | Actual | | | | |
| 81381 | Corbiculidae | | count | Actual | | | | |
| 81385 | Corbicula | | count | Actual | | | | |
| 81386 | Corbicula manilensis | | count | Actual | | | | |
| 81387 | Corbicula fluminea | | count | Actual | | | | |
| 81388 | Pisidiidae | | count | Actual | | | | |
| 81391 | Sphaerium | | count | Actual | | | | |
| 81393 | Sphaerium fabale | | count | Actual | | | | |
| 81396 | Sphaerium rhomboideum | | count | Actual | | | | |
| 81397 | Sphaerium simile | | count | Actual | | | | |
| 81398 | Sphaerium striatinum | | count | Actual | | | | |
| 81399 | Sphaerium occidentale | | count | Actual | | | | |
| 81400 | Pisidium | | count | Actual | | | | |
| 81402 | Pisidium dubium | | count | Actual | | | | |
| 81405 | Pisidium casertanum | | count | Actual | | | | |
| 81406 | Pisidium compressum | | count | Actual | | | | |
| 81408 | Pisidium fallax | | count | Actual | | | | |
| 81418 | Pisidium variabile | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 81420 | Pisidium walkeri | | count | Actual | | | | |
| 81424 | Pisidium punctatum | | count | Actual | | | | |
| 81427 | Musculium | | count | Actual | | | | |
| 81428 | Musculium transversum | | count | Actual | | | | |
| 81429 | Sphaerium transversum | | count | Actual | | | | |
| 81432 | Musculium partumeium | | count | Actual | | | | |
| 81433 | Sphaerium partumeium | | count | Actual | | | | |
| 81434 | Musculium securis | | count | Actual | | | | |
| 81435 | Sphaerium securis | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.PLEC | Plecoptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 102470 | Pteronarcyidae | | count | Actual | | | | |
| 102471 | Pteronarcys | | count | Actual | | | | |
| 102488 | Peltoperlidae | | count | Actual | | | | |
| 102489 | Peltoperla | | count | Actual | | | | |
| 102500 | Tallaperla | | count | Actual | | | | |
| 102517 | Nemouridae | | count | Actual | | | | |
| 102518 | Brachyptera | | count | Actual | | | | |
| 102526 | Nemoura | | count | Actual | | | | |
| 102535 | Nemoura trispinosa | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 102540 | Amphinemura | | count | Actual | | | | |
| 102541 | Amphinemura delosa | | count | Actual | | | | |
| 102543 | Amphinemura wui | | count | Actual | | | | |
| 102584 | Prostoia | | count | Actual | | | | |
| 102589 | Prostoia similis | | count | Actual | | | | |
| 102622 | Ostrocerca | | count | Actual | | | | |
| 102626 | Ostrocerca truncata | | count | Actual | | | | |
| 102642 | Nemoura rotunda | | count | Actual | | | | |
| 102643 | Capniidae | | count | Actual | | | | |
| 102644 | Allocapnia | | count | Actual | | | | |
| 102688 | Capnia | | count | Actual | | | | |
| 102788 | Taeniopterygidae | | count | Actual | | | | |
| 102789 | Taeniopteryx | | count | Actual | | | | |
| 102791 | Taeniopteryx burksi | | count | Actual | | | | |
| 102796 | Taeniopteryx parvula | | count | Actual | | | | |
| 102798 | Taeniopteryx nivalis | | count | Actual | | | | |
| 102804 | Paracapnia | | count | Actual | | | | |
| 102805 | Paracapnia angulata | | count | Actual | | | | |
| 102806 | Paracapnia opis | | count | Actual | | | | |
| 102808 | Strophopteryx | | count | Actual | | | | |
| 102809 | Strophopteryx fasciata | | count | Actual | | | | |
| 102816 | Taenionema | | count | Actual | | | | |
| 102830 | Oemopteryx | | count | Actual | | | | |
| 102831 | Oemopteryx glacialis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 102840 | Leuctridae | | count | Actual | | | | |
| 102844 | Leuctra | | count | Actual | | | | |
| 102853 | Leuctra tenuis | | count | Actual | | | | |
| 102868 | Leuctra truncata | | count | Actual | | | | |
| 102887 | Paraleuctra | | count | Actual | | | | |
| 102888 | Paraleuctra sara | | count | Actual | | | | |
| 102914 | Perlidae | | count | Actual | | | | |
| 102917 | Acroneuria | | count | Actual | | | | |
| 102918 | Acroneuria lycorias | | count | Actual | | | | |
| 102919 | Acroneuria abnormis | | count | Actual | | | | |
| 102922 | Acroneuria carolinensis | | count | Actual | | | | |
| 102927 | Acroneuria perplexa | | count | Actual | | | | |
| 102939 | Eccoptura | | count | Actual | | | | |
| 102940 | Eccoptura xanthenes | | count | Actual | | | | |
| 102941 | Acroneuria xanthenes | | count | Actual | | | | |
| 102942 | Neoperla | | count | Actual | | | | |
| 102944 | Neoperla clymene | | count | Actual | | | | |
| 102962 | Paragnetina | | count | Actual | | | | |
| 102966 | Paragnetina immarginata | | count | Actual | | | | |
| 102968 | Paragnetina media | | count | Actual | | | | |
| 102975 | Aagnetina | | count | Actual | | | | |
| 102978 | Phasganophora | | count | Actual | | | | |
| 102979 | Aagnetina capitata | | count | Actual | | | | |
| 102981 | Phasganophora capitata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 102994 | Perlodidae | | count | Actual | | | | |
| 102995 | Isoperla | | count | Actual | | | | |
| 103019 | Isoperla similis | | count | Actual | | | | |
| 103020 | Isoperla holochlora | | count | Actual | | | | |
| 103023 | Isoperla marlynia | | count | Actual | | | | |
| 103036 | Isoperla transmarina | | count | Actual | | | | |
| 103070 | Isogenus | | count | Actual | | | | |
| 103137 | Cultus | | count | Actual | | | | |
| 103202 | Chloroperlidae | | count | Actual | | | | |
| 103203 | Alloperla | | count | Actual | | | | |
| 103244 | Perlinella | | count | Actual | | | | |
| 103246 | Perlinella drymo | | count | Actual | | | | |
| 103248 | Perlinella ephyre | | count | Actual | | | | |
| 103251 | Perlesta | | count | Actual | | | | |
| 103253 | Perlesta placida | | count | Actual | | | | |
| 103260 | Haploperla | | count | Actual | | | | |
| 103261 | Hastaperla | | count | Actual | | | | |
| 103263 | Haploperla brevis | | count | Actual | | | | |
| 103265 | Hastaperla brevis | | count | Actual | | | | |
| 103273 | Sweltsa | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.POLD | Polydesmida | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 569038 | Diplopoda | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.POLY | Polychaeta | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68169 | Manayunkia | | count | Actual | | | | |
| 68172 | Manayunkia speciosa | | count | Actual | | | | |
| 68232 | Serpulidae | | count | Actual | | | | |
| 68308 | Mercierella | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.PORI | Porifera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 47691 | Spongillidae | | count | Actual | | | | |
| 47692 | Spongilla | | count | Actual | | | | |
| 47693 | Spongilla lacustris | | count | Actual | | | | |
| 47696 | Spongilla aspinosa | | count | Actual | | | | |
| 47703 | Eunapius | | count | Actual | | | | |
| 47705 | Eunapius fragilis | | count | Actual | | | | |
| 47713 | Ephydatia | | count | Actual | | | | |
| 47714 | Ephydatia fluviatilis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 47729 | Heteromeyenia | | count | Actual | | | | |
| 47733 | Heteromeyenia tubisperma | | count | Actual | | | | |
| 47734 | Anheteromeyenia | | count | Actual | | | | |
| 47735 | Anheteromeyenia argyrosperma | | count | Actual | | | | |
| 47748 | Trochospongilla | | count | Actual | | | | |
| 47750 | Trochospongilla pennsylvanica | | count | Actual | | | | |
| 553073 | Eunapius ingloviformis | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.TRIC | Tricoptera | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 115373 | Cernotina | | count | Actual | | | | |
| 116584 | Setodes | | count | Actual | | | | |
| 568780 | Nyctiophylax | | count | Actual | | | | |
| PARANYCT | Polycentropodidae | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.TROM | Trombidiformes | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 83123 | Hydrachna | | count | Actual | | | | |
| 83146 | Limnochara | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 83224 | Hydrodromidae | | count | Actual | | | | |
| 83479 | Mideopsis | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.TURB | Turbellaria | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 54000 | Macrostomidae | | count | Actual | | | | |
| 54001 | Macrostomum | | count | Actual | | | | |
| 54276 | Geocentrophora | | count | Actual | | | | |
| 54308 | Mesostoma | | count | Actual | | | | |
| 54463 | Plagiostomidae | | count | Actual | | | | |
| 54464 | Hydrolimax | | count | Actual | | | | |
| 54465 | Hydrolimax grisea | | count | Actual | | | | |
| 54469 | Dendrocoelidae | | count | Actual | | | | |
| 54470 | Procotyla | | count | Actual | | | | |
| 54471 | Procotyla fluviatilis | | count | Actual | | | | |
| 54502 | Planariidae | | count | Actual | | | | |
| 54503 | Dugesia | | count | Actual | | | | |
| 54504 | Dugesia tigrina | | count | Actual | | | | |
| 54528 | Planaria | | count | Actual | | | | |
| 54529 | Planaria dactyligera | | count | Actual | | | | |
| 54533 | Hymanella | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 54534 | Hymanella retenuova | | count | Actual | | | | |
| 54535 | Phagocata | | count | Actual | | | | |
| 54539 | Phagocata velata | | count | Actual | | | | |
| 54544 | Phagocata morgani | | count | Actual | | | | |
| 54545 | Phagocata morgani morgani | | count | Actual | | | | |
| 54548 | Phagocata gracilis | | count | Actual | | | | |
| 54549 | Phagocata woodworthi | | count | Actual | | | | |
| 54553 | Cura | | count | Actual | | | | |
| 54554 | Cura foremanii | | count | Actual | | | | |
| 553074 | Geocentrophora baltica | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BO.VENE | Veneroida | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| DHSS-624 | DHSS Volatile Organics | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 100-41-4 | Ethylbenzene | ug/l | Total | Actual | | | | | 624 | |
| 10061-01-5 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| 106-46-7 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 107-06-2 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| 108-88-3 | Toluene | ug/l | Total | Actual | | | | | 624 | |
| 108-90-7 | Chlorobenzene | ug/l | Total | Actual | | | | | 624 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 110-75-8 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | 624 | |
| 124-48-1 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 624 | |
| 127-18-4 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 624 | |
| 1330-20-7 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 624 | |
| 156-60-5 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 624 | |
| 1634-04-4 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 624 | |
| 541-73-1 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 56-23-5 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 624 | |
| 67-66-3 | Chloroform | ug/l | Total | Actual | | | | | 624 | |
| 71-43-2 | Benzene | ug/l | Total | Actual | | | | | 624 | |
| 71-55-6 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 624 | |
| 74-83-9 | Methyl bromide | ug/l | Total | Actual | | | | | 624 | |
| 74-87-3 | Methyl chloride | ug/l | Total | Actual | | | | | 624 | |
| 75-00-3 | Chloroethane | ug/l | Total | Actual | | | | | 624 | |
| 75-01-4 | Vinyl chloride | ug/l | Total | Actual | | | | | 624 | |
| 75-09-2 | Dichloromethane | ug/l | Total | Actual | | | | | 624 | |
| 75-25-2 | Bromoform | ug/l | Total | Actual | | | | | 624 | |
| 75-27-4 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 624 | |
| 75-34-3 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 624 | |
| 75-35-4 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| 75-65-0 | Butyl alcohol, tert- | ug/l | Total | Actual | | | | | 624 | |
| 75-69-4 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 624 | |
| 78-87-5 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| 79-00-5 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 624 | |
| 79-01-6 | Trichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| 79-34-5 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 624 | |
| 91-20-3 | Naphthalene | ug/l | Total | Actual | | | | | 624 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 95-47-6 | Xylene, o- | ug/l | Total | Actual | | | | | 624 | |
| 954-50-1 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 98-82-8 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| VC127184 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 624 | |
| VC79016 | Trichloroethylene | ug/l | Total | Actual | | | | | 624 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| DHSS-625 | DHSS Semi-Volatile Organics | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 100-02-7 | p-Nitrophenol | ug/l | Total | Actual | | | | | 625 | |
| 101-55-3 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625 | |
| 105-67-9 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 625 | |
| 106-46-7 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 108-60-1 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | 625 | |
| 108-95-2 | Phenol | ug/l | Total | Actual | | | | | 625 | |
| 111-44-4 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 625 | |
| 111-91-1 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 625 | |
| 117-81-7 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 625 | |
| 117-84-0 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 625 | |
| 118-74-1 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 120-12-7 | Anthracene | ug/l | Total | Actual | | | | | 625 | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 120-83-2 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 625 | |
| 121-14-2 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 625 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 129-00-0 | Pyrene | ug/l | Total | Actual | | | | | 625 | |
| 131-11-3 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| 191-24-2 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 625 | |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 625 | |
| 205-99-2 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| 206-44-0 | Fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| 207-08-9 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| 208-96-8 | Acenaphthylene | ug/l | Total | Actual | | | | | 625 | |
| 218-01-9 | Chrysene | ug/l | Total | Actual | | | | | 625 | |
| 50-32-8 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 625 | |
| 51-28-5 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 625 | |
| 53-70-3 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 625 | |
| 534-52-1 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 625 | |
| 541-73-1 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 55-18-5 | Nitrosodiethylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| 56-55-3 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 625 | |
| 59-50-7 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 625 | |
| 606-20-2 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 625 | |
| 608-93-5 | Pentachlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 621-64-7 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 625 | |
| 67-72-1 | Hexachloroethane | ug/l | Total | Actual | | | | | 625 | |
| 7005-72-3 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625 | |
| 77-47-4 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 625 | |
| 78-59-1 | Isophorone | ug/l | Total | Actual | | | | | 625 | |
| 83-32-9 | Acenaphthene | ug/l | Total | Actual | | | | | 625 | |
| 84-66-2 | Diethyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| 84-74-2 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 625 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 85-01-8 | Phenanthrene | ug/l | Total | Actual | | | | | 625 | |
| 85-68-7 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| 86-30-6 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 625 | |
| 86-73-7 | Fluorene | ug/l | Total | Actual | | | | | 625 | |
| 87-68-3 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 625 | |
| 87-86-5 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 625 | |
| 88-06-2 | 2,4,6-Trichlorophenol (TCPH) | ug/l | Total | Actual | | | | | 625 | |
| 88-75-5 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 625 | |
| 91-20-3 | Naphthalene | ug/l | Total | Actual | | | | | 625 | |
| 91-58-7 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 625 | |
| 91-94-1 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 625 | |
| 924-16-3 | Nitrosodibutylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| 930-55-2 | Nitrosopyrrolidine, n- | ug/l | Total | Actual | | | | | 625 | |
| 95-50-1 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 95-57-8 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 625 | |
| 95-95-4 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | 625 | |
| 98-95-3 | nitro-Benzene | ug/l | Total | Actual | | | | | 625 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------------|----------------|----------|--------|-----------|--------------|---------|
| DHSS-SED | NJDHSS Sediment Analysis | Sample | Sediment | | | | N |
| Description Sediment Analysis at the New Jersey Department of Health and Senior Services Laboratory | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CN-SED | Cyanide | mg/kg | Total | Actual | | | | | 4500-CN(E) | |
| P00627 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | 351.1 | 351.3 |
| P00668 | Phosphorus as P | mg/kg | Total | Actual | | | | | 365.1 | 365.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00916 | Calcium | mg/kg | Total | Actual | | | | | | |
| P00942 | Chloride | mg/kg | Total | Actual | | | | | | |
| P01003 | Arsenic | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| P01013 | Beryllium | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01023 | Boron | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01028 | Cadmium | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01029 | Chromium | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01043 | Copper | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01052 | Lead | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| P01053 | Manganese | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01059 | Thallium | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| P01068 | Nickel | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01078 | Silver | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01093 | Zinc | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01148 | Selenium | ug/kg | Total Recovrble | Actual | | | | | 200.9 | 200.2-M |
| P01170 | Iron | ug/kg | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P04071 | Carbon, Total Organic (Toc) | mg/kg | Total | Calculated | | | | | 5310-C | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P29405 | Chromium, hexavalent | ug/kg | Total Recovrble | Actual | | | | | I1230 | |
| P71921 | Mercury | ug/kg | Total Recovrble | Actual | | | | | 245.1 | |
| PTR | Solids, Total | % by wt | Total | Calculated | | | | | 2540-B | |
| RSTR | Solids, Total | mg/kg | Total | Actual | | | | | 2540-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| DHSS-WAT | NJDHSS Water Analysis | Sample | Water | | | | N |

Description Water Analysis at the New Jersey Department of Health and Senior Services Laboratory

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FDFR | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | 2540-C | |
| LEEDSP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.5 | |
| NATPQC | Phosphorus as P | mg/l | Total | Actual | | | | | | 365.2 |
| P00070 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| P00095 | Specific conductance | mS/cm | | Actual | | | | 25 Deg C | 2510 | |
| P00300 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 4500-O-C | |
| P00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| P00400 | pH | None | Total | Actual | | | | | 4500-H | |
| P00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| P00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | |
| P00530D | Solids, Total Suspended (TSS) | mg/l | Dissolved | Actual | | | | | 2540-D | |
| P00608 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | 350.2 |
| P00610 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| P00610D | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | 350.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00613 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| P00615 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.2 | |
| P00623 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | | 351.3 |
| P00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | 351.3 |
| P00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| P00631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| P00660 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| P00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | 365.2 |
| P00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.1 | 365.2 |
| P00670 | Phosphorus, hydrolyzable as P | mg/l | Total | Actual | | | | | | |
| P00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| P00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-C | |
| P00681 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 5310-C | |
| P00689 | Carbon, Total Organic (Toc) | mg/l | Suspended | Calculated | | | | | 5310-C | |
| P00720 | Cyanide | mg/l | Total | Actual | | | | | 4500-CN(E) | |
| P00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.1 | |
| P00915 | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| P00916 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| P00925 | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P00930 | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| P00935 | Potassium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| P00940 | Chloride | mg/l | Total | Actual | | | | | 4500-CL-(B) | |
| P00941 | Chloride | mg/l | Dissolved | Actual | | | | | 4500-CL-(B) | |
| P00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | I-1472 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00946 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 4500-SO4(E) | |
| P00950 | Fluorides | mg/l | Dissolved | Actual | | | | | 4500-F-C | 4500-F-B |
| P00955 | Silica | mg/l | Dissolved | Actual | | | | | 4500-SI(D) | |
| P00956 | Silica | mg/l | Total | Actual | | | | | 4500-SI(D) | |
| P01000 | Arsenic | ug/l | Dissolved | Actual | | | | | 200.9 | 200.2-M |
| P01002 | Arsenic | ug/l | Total Recovrble | Actual | | | | | 200.9 | |
| P01010 | Beryllium | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01012 | Beryllium | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01020 | Boron | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01022 | Boron | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | 200.2-M |
| P01025 | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01027 | Cadmium | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01030 | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01032 | Chromium, hexavalent | ug/l | Total Recovrble | Actual | | | | | 11230 | |
| P01034 | Chromium | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01037 | Cobalt | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01040 | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01042 | Copper | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01045 | Iron | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01046 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01049 | Lead | ug/l | Dissolved | Actual | | | | | 200.9 | 200.2-M |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P01051 | Lead | ug/l | Total Recovrble | Actual | | | | | 200.9 | |
| P01055 | Manganese | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01056 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | 200.2-M |
| P01057 | Thallium | ug/l | Dissolved | Actual | | | | | 200.9 | 200.2-M |
| P01059 | Thallium | ug/l | Total Recovrble | Actual | | | | | 200.9 | |
| P01065 | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| P01067 | Nickel | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01075 | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| P01077 | Silver | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01090 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| P01092 | Zinc | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| P01145 | Selenium | ug/l | Dissolved | Actual | | | | | 200.9 | |
| P01147 | Selenium | ug/l | Total Recovrble | Actual | | | | | 200.9 | |
| P01220 | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | 11230 | |
| P31615 | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E | |
| P31633 | Escherichia coli | #/100ml | Total | Actual | | | | | 1103.1 | |
| P31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| P31677 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Calculated | MPN | | | | 9230-B | |
| P39782 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| P70300 | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |
| P71890 | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P71900 | Mercury | ug/l | Total Recovrble | Actual | | | | | 245.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| DIURNAL | Diurnal Data Sonde Stats | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AVGOFDO CONC | Dissolved oxygen (DO) | deg C | | Calculated | Mean | | | | SONDE | |
| AVGOFPH | pH | None | | Calculated | Mean | | | | SONDE | |
| AVGOFSPCOND | Specific conductance | uS/cm | | Calculated | Mean | | | | SONDE | |
| AVGOFTEMP | Temperature, water | deg C | | Calculated | Mean | | | | SONDE | |
| | Acceptable Range | 0.00000 - 0.00000 deg C | | | | | | | | |
| MAXOFDO CONC | Dissolved oxygen (DO) | deg C | | Calculated | Maximum | | | | SONDE | |
| MAXOFPH | pH | None | | Calculated | Maximum | | | | SONDE | |
| MAXOFSPCOND | Specific conductance | uS/cm | | Calculated | Maximum | | | | SONDE | |
| MAXOFTEMP | Temperature, water | deg C | | Calculated | Maximum | | | | SONDE | |
| | Acceptable Range | 0.00000 - 0.00000 deg C | | | | | | | | |
| MINOFDO CONC | Dissolved oxygen (DO) | deg C | | Calculated | Minimum | | | | SONDE | |
| MINOFPH | pH | None | | Calculated | Minimum | | | | SONDE | |
| MINOFSPCOND | Specific conductance | uS/cm | | Calculated | Minimum | | | | SONDE | |
| MINOFTEMP | Temperature, water | deg C | | Calculated | Minimum | | | | SONDE | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| EWQ-CHEM | EWQ Chemistry Samples | Sample | Water | | | | N |

Description EWQ samples that are collected in the field without preservative and submitted to the NJDHSS laboratory for analysis.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| GAAK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| GABOD5 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| GACL | Chloride | mg/l | Total | Actual | | | | | 4500-CL-(B) | |
| GADOCL | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 5310-C | |
| GASO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 4500-SO4(E) | |
| GATOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-C | |
| GATOCL | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-C | |
| GDTOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | 5310-C | |
| MAFE | Iron | ug/l | Total | Actual | | | | | I-4729 | |
| | | | Recovrble | | | | | | | |
| MAHD | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.1 | |
| NANH3 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | 350.2 |
| NANH3D | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | 350.2 |
| NANH3N | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| NANO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NANO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NAOP | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| NATKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | 351.3 |
| NATKND | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | 351.1 | 351.3 |
| NATP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | 365.2 |
| NDNH3D | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | 350.2 |
| NDNH3N | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | |
| NDNO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NDOP | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NDTKN | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | 351.1 | 351.3 |
| NDTKND | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | 351.1 | 351.3 |
| NDTP | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.4 | 365.2 |
| RAFR | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |
| RASS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|---|--------|--------|-----------|--------------|---------|
| EWQFIELD | EWQ Field Measurements | Field Msr/Obs | Water | | | | N |
| Description | | EWQ characteristics that are measured in the field. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| DOSAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| PH | pH | None | | Actual | | | | | PH | |
| SPECCOND | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | SC | |
| TEMP | Temperature, water | deg C | | Actual | | | | | T | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| EWQFLOW | EWQ Flow Data from USGS | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FLOW | Flow | cfs | | Actual | | | | | FLOW | |
| GAUGE | Stream stage height | ft | | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| EWQSONDE | Ewq Datasonde | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DOSAT | Dissolved oxygen saturation | % | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| SPECCOND | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIEDSOND | Field datasonde (NEW) | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DOSAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| PH | pH | None | | Actual | | | | | SONDE | |
| SCM | Specific conductance | mS/cm | | Actual | | | | 25 Deg C | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIELDAIR | Field Observations | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A_WEATHER | Weather Comments (text) | | | | | | | | | |
| A_WIND | Wind force, Beaufort scale | None | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A_WINDMAX | Wind force, Beaufort scale | None | | Calculated | Maximum | | | | | |
| A_WINDMIN | Wind force, Beaufort scale | None | | Calculated | Minimum | | | | | |
| BAR | Barometric pressure | mm/Hg | | Actual | | | | | BARPRES | |
| TEMPA | Temperature, air | deg C | | Actual | | | | | AIRTEMP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|----------|--------|-----------|--------------|---------|
| FIELDSED | Field Sediment Analysis | Field Msr/Obs | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHSED | pH | None | | Actual | | | | | PH-SED | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELDSON | Field Data Sonde (OLD) | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DOSAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| SPCOND | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELDWAT | Field Measurements | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | SC | |
| DEPTH | Depth | ft | | Actual | | | | | | |
| DEPTH-T | Depth, bottom | ft | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO | |
| DOSAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| FFLOW | Flow | mgd | | Actual | | | | | FFLOW | |
| FLOW | Flow | cfs | | Calculated | | | | | FLOW | |
| FLOW-MED | Flow | cfs | | Calculated | Median | | 1 Day | | FLOW | |
| GAUGE | Stream stage height | ft | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | PH | |
| SAL | Salinity | ppt | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | ft | | Actual | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | T | |
| TURB | Turbidity | NTU | | Actual | | | | | TURB | |
| WATERTEMP | Temperature, water | deg C | | Actual | | | | | T | |
| | Acceptable Range | 0.00000 - 0.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| HAB.DEP | NJDEP Defined Habitat Assmt | Field Msr/Obs | | | | | Y |

Description NJDEP Specific Habitat Assessment measures for IBI

| Row ID | Characteristic Name | Description |
|----------|--------------------------|--|
| CANCOV | Canopy Cover | Open, Partially Open, Mostly Open, Mostly Closed |
| COBBLE | Cobble % (3 " - 12") | |
| CONCRETE | Substrate - Concrete (%) | |
| DEBRIS | Substrate - Debris (%) | |
| FLOW | Flow | Fast, Moderate, Slow |

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| Row ID | Characteristic Name | Description |
|----------|---------------------|--|
| GRAVEL | Gravel/Sand <3" (%) | |
| IMPOUND | Impound | Impoundedness |
| PERIPHY | Periphyton | N - None S - Slight M - Moderate H - Heavy |
| Q | Discharge | |
| SMUD | Substrate - Mud (%) | |
| SNAGS | Snags | Yes, No |
| SUBMAC | Sub Macrophytes | Yes, No |
| TURBID | CLARITY | Clarity |
| WEATH24 | WEATH24 | Weather past 24 hours |
| WEATHER | WEATHER | Weather at time of sample |
| WETWIDTH | Wetted Width (ft) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HAB.HIGH | RBP2 High Gradient | Field Msr/Obs | | | | | | | Y | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| HSCORE | RBP2, High G, Habitat Assessment Total Score | None | | Actual | | | | | | |
| PARM1 | RBP2, High G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| PARM10L | RBP2, High G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| PARM10R | RBP2, High G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| PARM2 | RBP2, High G, Embeddedness | | | | | | | | | |
| PARM3 | RBP2, High G, Velocity/Depth | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Regime | | | | | | | | | |
| PARM4 | RBP2, High G, Sediment Deposition | | | | | | | | | |
| PARM5 | RBP2, High G, Channel Flow Status | | | | | | | | | |
| PARM6 | RBP2, High G, Channel Alteration | | | | | | | | | |
| PARM7 | RBP2, High G, Frequency of Riffles (or bends) | | | | | | | | | |
| PARM8L | RBP2, High G, Bank Stability, Left Bank | | | | | | | | | |
| PARM8R | RBP2, High G, Bank Stability, Right Bank | | | | | | | | | |
| PARM9L | RBP2, High G, Vegetative Protection, Left Bank | | | | | | | | | |
| PARM9R | RBP2, High G, Vegetative Protection, Right Bank | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| HAB.LOW | Habitat - Low Gradient | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HSCORE | RBP2, Low G, Habitat Assessment Total Score | None | | Calculated | | | | | | |
| PARM1 | RBP2, Low G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| PARM10L | RBP2, Low G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARM10R | RBP2, Low G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| PARM2 | RBP2, Low G, Pool Substrate Characterization | | | | | | | | | |
| PARM3 | RBP2, Low G, Pool Variability | | | | | | | | | |
| PARM4 | RBP2, Low G, Sediment Deposition | | | | | | | | | |
| PARM5 | RBP2, Low G, Channel Flow Status | | | | | | | | | |
| PARM6 | RBP2, Low G, Channel Alteration | | | | | | | | | |
| PARM7 | RBP2, Low G, Channel Sinuosity | | | | | | | | | |
| PARM8L | RBP2, Low G, Bank Stability, Left Bank | | | | | | | | | |
| PARM8R | RBP2, Low G, Bank Stability, Right Bank | | | | | | | | | |
| PARM9L | RBP2, Low G, Vegetative Protection, Left Bank | | | | | | | | | |
| PARM9R | RBP2, Low G, Vegetative Protection, Right Bank | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|---|--------|--------|-----------|--------------|---------|
| HAB.RBP2 | USEPA RBP2 Habitat Assmt | Field Msr/Obs | | | | | Y |
| | Citations | USEPA, 1999, Rapid Bioassessment Protocols for Wadeable Streams and Rivers: Periphyton, Benthic Macroinvertebrates, and Fish, 2nd ed, USEPA, EPA 841/B-99-002 | | | | | |
| | Description | Habitat Assessments using EPA's RBP2 Habitat Parameters | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|---------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BEDROCK | RBP2, Substrate, Inorganic, Bedrock | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % | | | | | | | |
| BOULDER | RBP2, Substrate, Inorganic, Boulder, >256 mm | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % | | | | | | | |
| CANOPY | RBP2, Habitat Type, Canopy (%) | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % | | | | | | | |
| COBBLE | RBP2, Substrate, Inorganic, Cobble, 64-256 mm | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % | | | | | | | |
| H01EPI | RBP2, High G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| H02EMB | RBP2, High G, Embeddedness | | | | | | | | | |
| H03VEL | RBP2, High G, Velocity/Depth Regime | | | | | | | | | |
| H04SED | RBP2, High G, Sediment Deposition | | | | | | | | | |
| H05CHFS | RBP2, High G, Channel Flow Status | | | | | | | | | |
| H06CHALT | RBP2, High G, Channel Alteration | | | | | | | | | |
| H07FREQ | RBP2, High G, Frequency of Riffles (or bends) | | | | | | | | | |
| H08STABL | RBP2, High G, Bank Stability, Left Bank | | | | | | | | | |
| H08STABR | RBP2, High G, Bank Stability, Right Bank | | | | | | | | | |
| H09VEGPL | RBP2, High G, Vegetative Protection, Left Bank | | | | | | | | | |
| H09VEGPR | RBP2, High G, Vegetative Protection, Right Bank | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| H10RIPZL | RBP2, High G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| H10RIPZR | RBP2, High G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| HSCOREH | RBP2, High G, Habitat Assessment Total Score | None | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 200.00000 None | | | | | | | | |
| OTHER | RBP2, Habitat Type, Other (%) | % | Total | Actual | | | | | | |
| OTHER2 | RBP2, Habitat Type, Bedrock (%) | % | | Actual | | | | | | |
| POOLS | RBP2, Habitat Type, Pools (%) | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| RIFFLES | RBP2, Habitat Type, Riffle (%) | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| RUNS | RBP2, Habitat Type, Run (%) | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| SAMPDIST | RBP2, Instream Features, Est. Reach Length | ft | | Actual | | | | | | |
| SILT | RBP2, Substrate, Inorganic, Silt, 0.004-0.06 mm | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| TURBID | RBP2, Water Quality, Turbidity | | | | | | | | | |
| WEATH24 | RBP2, Weather Condition, Past 24 Hours | | | | | | | | | |
| WEATHER | RBP2, Weather Condition, Now | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| HOBO | HOBO Water Temperature Probe | Data Logger | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TEMP_AVG | Temperature, water Acceptable Range | deg C 0.00000 - 50.00000 deg C | | Calculated | Mean | | | | HOBO | |
| TEMP_MAX | Temperature, water Acceptable Range | deg C 0.00000 - 50.00000 deg C | | Calculated | Maximum | | | | HOBO | |
| TEMP_MIN | Temperature, water Acceptable Range | deg C 0.00000 - 50.00000 deg C | | Calculated | Minimum | | | | HOBO | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKECHEM | Lake Monitoring Chemistry | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, corrected for pheophytin | ppm | Total | Actual | | | | | 445 | |
| GAAK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| GAHD | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340B | |
| NANH3D | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | 350.2 |
| NANH3N | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| NANO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NATKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | 351.3 |
| NATP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | 365.2 |
| P00665 | Phosphorus as P | ug/l | Total | Actual | | | | | 365.4 | |
| QCTP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE_FLD | Lake Monitoring Field | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DEPTH_T | Depth, bottom | m | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| TURB | Turbidity | NTU | | Actual | | | | | TURB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE_PDL | Hydrolab Quanta | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | mS/cm | | Actual | | | | | QUANTA | |
| DEPTH | Depth, data-logger (ported) | m | | Actual | | | | | QUANTA | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | QUANTA | |
| PH | pH | None | | Actual | | | | | QUANTA | |
| TEMP | Temperature, water | deg C | | Actual | | | | | QUANTA | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| LEEDSBAC | Summer Bacteria Samples | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ECOLI | Escherichia coli | #/100ml | Total | Actual | | | | | 1103.1 | |
| ENT-MF | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| MW-MAR | Multiple Antibiotic Resistance | Sample | Water | | | | N |

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Citations MAR - Scott, Geoffrey, UNKNOWN, MAR Standard Operating Procedure, NOAA Center for Coastal Environmental Health and Biomolecular Research, UNKNOWN

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AK | Amikacin | None | Total | Calculated | | | | | MAR | |
| AMP | Ampicillin | None | Total | Calculated | | | | | MAR | |
| AMX | Amoxicillin | None | Total | Calculated | | | | | MAR | |
| APR | Apramycin | None | Total | Calculated | | | | | MAR | |
| AZI | Azithromycin | None | Total | Calculated | | | | | MAR | |
| C | Chloramphenicol | None | Total | Calculated | | | | | MAR | |
| CAX | Ceftriaxone | None | Total | Calculated | | | | | MAR | |
| CF | Cephalothin | None | Total | Calculated | | | | | MAR | |
| CFX | Cefoxitin | None | Total | Calculated | | | | | MAR | |
| CP | Ciprofloxacin | None | Total | Calculated | | | | | MAR | |
| CTET | Chlorotetracycline | None | Total | Calculated | | | | | MAR | |
| E | Erythromycin A | None | Total | Calculated | | | | | MAR | |
| ECOLI | Escherichia coli | cfu/100ml | Total | Actual | | | | | 9221-E | |
| FC | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E | |
| FD | Nitrofurantoin | None | Total | Calculated | | | | | MAR | |
| GM | Gentamicin | None | Total | Calculated | | | | | MAR | |
| IMP | Imipenem | None | Total | Calculated | | | | | MAR | |
| MER | Meropenem | None | Total | Calculated | | | | | MAR | |
| MOX | Moxifloxacin | None | Total | Calculated | | | | | MAR | |
| NA | Nalidixic acid | None | Total | Calculated | | | | | MAR | |
| OFL | Ofloxacin | None | Total | Calculated | | | | | MAR | |
| OTET | Oxytetracycline | None | Total | Calculated | | | | | MAR | |
| PHAGE | Coliphage, Male Specific (F+) all Groups | pfu/100ml | Total | Actual | | | | | F+RNA COLIPHAGE | |
| ST | Streptomycin | None | Total | Calculated | | | | | MAR | |
| SZ | Sulfathiazole | None | Total | Calculated | | | | | MAR | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| T | Trimethoprim | None | Total | Calculated | | | | | MAR | |
| T/S | Trimethoprim/Sulfamethoxazole (unspecified mix) | None | Total | Calculated | | | | | MAR | |
| TE | Tetracycline | None | Total | Calculated | | | | | MAR | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|--------|-----------|--------------|---------|
| MW-MTLS | Metals Program | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ppm | Total | Calculated | Mean | Wet | | | 206.5 | |
| | Acceptable Range | 0.00000 - 500.00000 ppm | | | | | | | | |
| CD | Cadmium | ppm | Total | Calculated | Mean | Wet | | | 213.2 | 350.2 |
| | Acceptable Range | 0.00000 - 50.00000 ppm | | | | | | | | |
| CR | Chromium | ppm | Total | Calculated | Mean | Wet | | | 218.2 | |
| | Acceptable Range | 0.00000 - 200.00000 ppm | | | | | | | | |
| NI | Nickel | ppm | Total | Calculated | Mean | Wet | | | 249.2 | |
| | Acceptable Range | 0.00000 - 500.00000 ppm | | | | | | | | |
| PB | Lead | ppm | Total | Calculated | Mean | Wet | | | 239.2 | |
| | Acceptable Range | 0.00000 - 500.00000 ppm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| MW-N-EST | Nutrient Data - Estuarine Prgm | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| N_CHLA | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| N_DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 360.2 | |
| N_ENT | Enterococcus Group Bacteria | cfu/100ml | Filterable | Actual | | | | | 1600 | |
| | Acceptable Range | 3.00000 - 2,000.00000 cfu/100ml | | | | | | | | |
| N_NH3 | Nitrogen, ammonia as N | ug/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 200.00000 ug/l | | | | | | | | |
| N_NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | ug/l | Total | Actual | | | | | 353.3 | |
| | Acceptable Range | 0.00000 - 500.00000 ug/l | | | | | | | | |
| N_PO4 | Phosphorus, orthophosphate as P | ug/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| N_SAL | Salinity | ppt | Total | Calculated | | | | | 2520-B | |
| | Acceptable Range | 0.00000 - 50.00000 ppt | | | | | | | | |
| N_TEMP | Temperature, water | deg C | | Actual | | | | | T | |
| | Acceptable Range | 0.00000 - 33.00000 deg C | | | | | | | | |
| N_TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | ug/l | Total | Actual | | | | | 4500-N | 4500-N |
| | Acceptable Range | 0.00000 - 6,000.00000 ug/l | | | | | | | | |
| N_TP | Phosphorus as P | ug/l | Total | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.00000 - 500.00000 ug/l | | | | | | | | |
| N_TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| | Acceptable Range | 1.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| MW-N-SW | Nutrient Data - Storm Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HP | Phosphorus, hydrolyzable as | ug/l | Total | Actual | | | | | 365.8 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | PO4 | | | | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| NH3 | Nitrogen, ammonia (NH3) as NH3 | ug/l | Total | Actual | | | | | 350.4 | |
| | Acceptable Range | 0.00000 - 200.00000 ug/l | | | | | | | | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | ug/l | Total | Actual | | | | | 12540 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | ug/l | Total | Actual | | | | | 353.3 | |
| | Acceptable Range | 0.00000 - 500.00000 ug/l | | | | | | | | |
| PO4 | Phosphorus, orthophosphate as PO4 | ug/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| TN | Nitrogen, Kjeldahl | ug/l | Total | Actual | | | | | 351.1 | 351.3 |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| TP | Phosphorus, orthophosphate as PO4 | ug/l | Total | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Calculated | | | | | 160.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| MW-TCFC | Total Coliform Fecal Coliform | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FC-1-12T | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E-1 (12T) | |
| | Acceptable Range | 1.90000 - 51.00000 #/100ml | | | | | | | | |
| FC-1-3T | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E-1 (3T) | |
| | Acceptable Range | 2.90000 - 2,401.00000 #/100ml | | | | | | | | |
| FC-1-5T | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E-1(5T) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 1.90000 - 1,601.00000 #/100ml | | | | | | | | |
| FC-2-3T | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E-2 (3T) | |
| | Acceptable Range | 2.90000 - 2,401.00000 #/100ml | | | | | | | | |
| FC-EPA-5T | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E-1(5T) | |
| | Acceptable Range | 1.90000 - 1,601.00000 #/100ml | | | | | | | | |
| FC_3T_4D | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E-2 (3T) | |
| | Acceptable Range | 2.90000 - 24,001.00000 #/100ml | | | | | | | | |
| TC-2-3T | Total Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-B-2 (3T) | |
| | Acceptable Range | 2.90000 - 2,401.00000 #/100ml | | | | | | | | |
| TC-2-5T | Total Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-B-2 (5T) | |
| | Acceptable Range | 1.90000 - 1,601.00000 #/100ml | | | | | | | | |
| TC-EPA-5T | Total Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-B-2 (5T) | |
| | Acceptable Range | 1.90000 - 1,601.00000 #/100ml | | | | | | | | |
| TC_3T_4D | Total Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-B-2 (3T) | |
| | Acceptable Range | 2.90000 - 24,001.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| MW-TEL | Telemetry | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORA | Chlorophyll a (probe) | ug/l | | Calculated | Mean | | | | SONDE-YSI | |
| DO | Dissolved oxygen (DO) | mg/l | | Calculated | Mean | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| DOPER | Dissolved oxygen saturation | % | | Calculated | Mean | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 220.00000 % | | | | | | | | |
| PH | pH | None | | Calculated | Mean | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| SAL | Salinity | ppt | | Calculated | Mean | | | | SONDE-YSI | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 35.00000 ppt | | | | | | | | |
| SPCOND | Specific conductance | mS/cm | | Calculated | Mean | | | 25 Deg C | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 53.00000 mS/cm | | | | | | | | |
| TEMP | Temperature, water | deg C | | Calculated | Mean | | | | SONDE-YSI | |
| TURBID | Turbidity | NTU | | Calculated | Mean | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 60.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| NATPQC | Total Phosphorus | Sample | Water | | | | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|-----------------|-------------|-------------------------------|---------|
| NJFISH | IBI Data Entry | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| AEEL | Anguilla rostrata | | count | Actual | | | | |
| ALEWIFE | Alosa pseudoharengus | | count | Actual | | | | |
| AMBRKLAM | Lampetra appendix | | count | Actual | | | | |
| AMERSHAD | Alosa sapidissima | | count | Actual | | | | |
| ARCTCHAR | Salvelinus alpinus | | count | Actual | | | | |
| ATLMENH | Brevoortia tyrannus | | count | Actual | | | | |
| ATLSALMO | Salmo salar | | count | Actual | | | | |
| ATLSTURG | Acipenser oxyrinchus | | count | Actual | | | | |
| ATLSVRSD | Menidia menidia | | count | Actual | | | | |
| ATLTMCOD | Microgadus tomcod | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| BANDEDKI | Fundulus diaphanus | | count | Actual | | | | |
| BANDEDSU | Enneacanthus obesus | | count | Actual | | | | |
| BAYANCH | Anchoa mitchilli | | count | Actual | | | | |
| BITRLING | Rhodeus sericeus | | count | Actual | | | | |
| BLACKBAN | Enneacanthus chaetodon | | count | Actual | | | | |
| BLACKBUL | Ameiurus melas | | count | Actual | | | | |
| BLACNOSE | Rhinichthys atratulus | | count | Actual | | | | |
| BLCRAPPI | Pomoxis nigromaculatus | | count | Actual | | | | |
| BLKSPSTK | Gasterosteus wheatlandi | | count | Actual | | | | |
| BLUCAT | Ictalurus furcatus | | count | Actual | | | | |
| BLUEBACK | Alosa aestivalis | | count | Actual | | | | |
| BLUEGILL | Lepomis macrochirus | | count | Actual | | | | |
| BLUESPOT | Enneacanthus gloriosus | | count | Actual | | | | |
| BLUNTMIN | Pimephales notatus | | count | Actual | | | | |
| BOWFIN | Amia calva | | count | Actual | | | | |
| BRIDSHNR | Notropis bifrenatus | | count | Actual | | | | |
| BROOKTRO | Salvelinus fontinalis | | count | Actual | | | | |
| BROWNBUL | Ameiurus nebulosus | | count | Actual | | | | |
| BROWNTR | Salmo trutta | | count | Actual | | | | |
| BURBOT | Lota lota | | count | Actual | | | | |
| CARP | Cyprinus carpio | | count | Actual | | | | |
| CHANLCAT | Ictalurus punctatus | | count | Actual | | | | |
| CHNKSLMN | Oncorhynchus tshawytscha | | count | Actual | | | | |
| CMLYSHNR | Notropis amoenus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| CNTMMINN | Umbra limi | | count | Actual | | | | |
| CPICKERL | Esox niger | | count | Actual | | | | |
| CREEKCHB | Semotilus atromaculatus | | count | Actual | | | | |
| CREEKCHU | Erimyzon oblongus | | count | Actual | | | | |
| CSHINER | Luxilus cornutus | | count | Actual | | | | |
| CTTROUT | Salmo clarkii | | count | Actual | | | | |
| CUTLIPS | Exoglossum maxillingua | | count | Actual | | | | |
| EASTERNM | Gambusia holbrooki | | count | Actual | | | | |
| EASTSILV | Hybognathus regius | | count | Actual | | | | |
| EMRLDSHN | Notropis atherinoides | | count | Actual | | | | |
| FALLFISH | Semotilus corporalis | | count | Actual | | | | |
| FATMINNO | Pimephales promelas | | count | Actual | | | | |
| FNTLDRTR | Etheostoma flabellare | | count | Actual | | | | |
| FOURSPIN | Apeltes quadracus | | count | Actual | | | | |
| GIZZARDS | Dorosoma cepedianum | | count | Actual | | | | |
| GOLDFISH | Carassius auratus | | count | Actual | | | | |
| GOLDNTRT | Oncorhynchus aguabonita | | count | Actual | | | | |
| GOLDSHIN | Notemigonus crysoleucas | | count | Actual | | | | |
| GRASCARP | Ctenopharyngodon idella | | count | Actual | | | | |
| GSUNFISH | Lepomis cyanellus | | count | Actual | | | | |
| HICKORYS | Alosa mediocris | | count | Actual | | | | |
| HOGCHKR | Trinectes maculatus | | count | Actual | | | | |
| INLNDSVR | Menidia beryllina | | count | Actual | | | | |
| IRONSHIN | Notropis chalybaeus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| LAKETROU | Salvelinus namaycush | | count | Actual | | | | |
| LEPOAXC | Lepomis | | count | Actual | | | | |
| LEPOCXM | Lepomis | | count | Actual | | | | |
| LEPOMAXC | Lepomis | | count | Actual | | | | |
| LEPOMAXG | Lepomis | sp.1 | count | Actual | | | | |
| LEPOMAXM | Lepomis | | count | Actual | | | | |
| LEPOMCXG | Lepomis | sp.2 | count | Actual | | | | |
| LGMOUTHB | Micropterus salmoides | | count | Actual | | | | |
| LNGEARSF | Lepomis megalotis | | count | Actual | | | | |
| LNGNSUCK | Catostomus catostomus | | count | Actual | | | | |
| LOGPERCH | Percina caprodes | | count | Actual | | | | |
| LONGNGAR | Lepisosteus osseus | | count | Actual | | | | |
| LONGNOSE | Rhinichthys cataractae | | count | Actual | | | | |
| LSTBKLMF | Lampetra aepyptera | | count | Actual | | | | |
| MARGMADT | Noturus insignis | | count | Actual | | | | |
| MMINNOW | Umbra pygmaea | | count | Actual | | | | |
| MOSQUITO | Gambusia affinis | | count | Actual | | | | |
| MOTSCULP | Cottus bairdii | | count | Actual | | | | |
| MUDSUNFI | Acantharchus pomotis | | count | Actual | | | | |
| MUMMICHO | Fundulus heteroclitus | | count | Actual | | | | |
| MUSKELLU | Esox masquinongy | | count | Actual | | | | |
| NHOGSUCK | Hypentelium nigricans | | count | Actual | | | | |
| NINESPIN | Pungitius pungitius | | count | Actual | | | | |
| NORTHERN | Esox lucius | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| NRBDACE | Phoxinus eos | | count | Actual | | | | |
| ORIEWEA | Misgurnus anguillicaudatus | | count | Actual | | | | |
| PEARLDAC | Margariscus margarita | | count | Actual | | | | |
| PIRATEPE | Aphredoderus sayanus | | count | Actual | | | | |
| PUMPKINS | Lepomis gibbosus | | count | Actual | | | | |
| QUILLBCK | Carpiodes cyprinus | | count | Actual | | | | |
| RAINBOW | Oncorhynchus mykiss | | count | Actual | | | | |
| RAINWATK | Lucania parva | | count | Actual | | | | |
| RDEARSUN | Lepomis microlophus | | count | Actual | | | | |
| REDBREAS | Lepomis auritus | | count | Actual | | | | |
| REDFIN | Esox americanus | | count | Actual | | | | |
| REDSIDDC | Clinostomus elongatus | | count | Actual | | | | |
| RIVRCHUB | Nocomis micropogon | | count | Actual | | | | |
| RNBWSMEL | Osmerus mordax | | count | Actual | | | | |
| ROCKBASS | Ambloplites rupestris | | count | Actual | | | | |
| ROSSIDDC | Clinostomus funduloides | | count | Actual | | | | |
| RSYFCSHN | Notropis rubellus | | count | Actual | | | | |
| SATINFIN | Cyprinella analostana | | count | Actual | | | | |
| SEALAMPR | Petromyzon marinus | | count | Actual | | | | |
| SHINER | Notropis | | count | Actual | | | | |
| SHLDDART | Percina peltata | | count | Actual | | | | |
| SHPHDMIN | Cyprinodon variegatus | | count | Actual | | | | |
| SHREDHRS | Moxostoma macrolepidotum | | count | Actual | | | | |
| SHRTNOSE | Acipenser brevirostrum | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| SLIMYSCU | Cottus cognatus | | count | Actual | | | | |
| SMLOBASS | Micropterus dolomieu | | count | Actual | | | | |
| SPOTFINS | Cyprinella spiloptera | | count | Actual | | | | |
| SPOTSHIN | Notropis hudsonius | | count | Actual | | | | |
| SPTFNKIL | Fundulus luciae | | count | Actual | | | | |
| STONECAT | Noturus flavus | | count | Actual | | | | |
| STONEROL | Campostoma anomalum | | count | Actual | | | | |
| STRBASS | Morone saxatilis | | count | Actual | | | | |
| STRPANCH | Anchoa hepsetus | | count | Actual | | | | |
| STRPKILL | Fundulus majalis | | count | Actual | | | | |
| SWALLSHI | Notropis procne | | count | Actual | | | | |
| SWAMPDAR | Etheostoma fusiforme | | count | Actual | | | | |
| TADPMADT | Noturus gyrinus | | count | Actual | | | | |
| TDARTER | Etheostoma olmstedi | | count | Actual | | | | |
| TENCH | Tinca tinca | | count | Actual | | | | |
| THRDFNSH | Dorosoma petenense | | count | Actual | | | | |
| THREESPI | Gasterosteus aculeatus | | count | Actual | | | | |
| TIGERTRO | Salmo | | count | Actual | | | | |
| TRTPERCH | Percopsis omiscomaycus | | count | Actual | | | | |
| WALLEYE | Stizostedion vitreum | | count | Actual | | | | |
| WARMOUTH | Lepomis gulosus | | count | Actual | | | | |
| WHCRAPPI | Pomoxis annularis | | count | Actual | | | | |
| WHITECAT | Ameiurus catus | | count | Actual | | | | |
| WHPERCH | Morone americana | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| WSUCKER | Catostomus commersoni | | count | Actual | | | | |
| YELLOWBU | Ameiurus natalis | | count | Actual | | | | |
| YELLPRCH | Perca flavescens | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| P.AIR.OB | USGS Air Observations | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00020 | Temperature, air | deg C | | Actual | | | | | UNKNOWN | |
| P00025 | Barometric pressure | mm/Hg | | Actual | | | | | BARPRES | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| P.BM.PAH | USGS Sediment PAHs | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P39519 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | PCB | |
| P49387 | Pyrene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49388 | Methylpyrene, 1- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49389 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49390 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49393 | Phenanthridine | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49397 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49398 | 1-Methyl-9H-fluorene | ug/kg | Total | Actual | | | | | O-5130-95 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P49399 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49400 | Isophorone | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49402 | Naphthalene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49403 | Dimethylnaphthalene, 1,2- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49404 | Dimethylnaphthalene, 1,6- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49405 | Trimethylnaphthalene, 2,3,6- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49406 | Dimethylnaphthalene, 2,6- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49408 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49409 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49410 | Methylphenanthrene, 1- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49411 | Cyclopenta(DEF)phenanthrene, 4H- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49428 | Acenaphthylene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49429 | Acenaphthene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49434 | Anthracene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49435 | Methylantracene, 2- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49436 | Benzo[a]anthracene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49450 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49451 | Cresol, p- | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49458 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49461 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49466 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | O-5130-95 | |
| P49948 | Ethyl-naphthalene, 2- | ug/kg | Total | Actual | | | | | O-5130-95 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|----------|--------|-----------|--------------|---------|
| P.BM.SED | USGS Sediment | Sample | Sediment | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00611 | Nitrogen, Ammonia + Organic | mg/kg | Total | Actual | | | | | | |
| P00626 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | I6552 | |
| P00668 | Phosphorus as P | mg/kg | Total | Actual | | | | | | |
| P00686 | Carbon, Total Inorganic | g/kg | Total | Actual | | | | | O-5102-83 | |
| P00693 | Carbon, organic plus inorganic (TC) **Retired | g/kg | Total | Actual | | | | | O-5101-83 | |
| P01003 | Arsenic | ug/g | Total Recovrble | Actual | | | | | I-6063 | |
| P01028 | Cadmium | ug/g | Total Recovrble | Actual | | | | | I5135 | |
| P01029 | Chromium | ug/g | Total Recovrble | Actual | | | | | I5236 | |
| P01038 | Cobalt | ug/g | Total Recovrble | Actual | | | | | I-4471 | |
| P01043 | Copper | ug/g | Total Recovrble | Actual | | | | | I5270 | |
| P01052 | Lead | ug/g | Total Recovrble | Actual | | | | | I5399 | |
| P01053 | Manganese | ug/g | Total Recovrble | Actual | | | | | I5454 | |
| P01068 | Nickel | ug/g | Total Recovrble | Actual | | | | | I5499 | |
| P01093 | Zinc | ug/g | Total Recovrble | Actual | | | | | I-4471 | |
| P01148 | Selenium | ug/g | Total Recovrble | Actual | | | | | I-6668 | |
| P01170 | Iron | ug/g | Total Recovrble | Actual | | | | | I5381 | |
| P64847 | Arsenic | ug/g | Total Recovrble | Actual | | Dry | | | I-6063 | |
| P64848 | Selenium | ug/g | Total | Actual | | Dry | | | I-6063 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------------------|--------------|--|------------|---------------------|----------------------------|
| | | | Recovrble | | | | | | | |
| P70310 | pH | None | | Actual | | | | | PH-SED | |
| P71921 | Mercury | ug/g | Total | Actual | | | | | I5462 | |
| | | | Recovrble | | | | | | | |
| P80157 | Particle distribution | % | | Actual | | | | | P-2330 | |
| | | | | | Particle Size Basis | | fall diameter (DI water), % < 0.004 mm | | | |
| P80164 | Particle distribution | % | | Calculated | | | | | P-2330 | |
| | | | | | Particle Size Basis | | dry sieved, sieve diameter % < 0.0625 mm | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| P.SW.DOH | USGS Surface Water @ DOH Lab | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| P00608 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | 350.2 |
| P00610 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | 350.2 |
| P00613 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| P00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| P31615 | Fecal Coliform | #/100ml | Total | Calculated | MPN | | | | 9221-E | |
| P31633 | Escherichia coli | #/100ml | Total | Actual | | | | | 1103.1 | |
| P31649 | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| P.SW.MET | USGS Surface Metals | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00340 | COD, Chemical Oxygen Demand | mg/l | Total | Actual | | | | | I3561 | |
| P01000 | Arsenic | ug/l | Dissolved | Actual | | | | | I-4063 | |
| P01002 | Arsenic | ug/l | Total Recovrble | Actual | | | | | I-4063 | |
| P01007 | Barium | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01012 | Beryllium | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01022 | Boron | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01025 | Cadmium | ug/l | Dissolved | Actual | | | | | I-4471 | |
| P01027 | Cadmium | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01030 | Chromium | ug/l | Dissolved | Actual | | | | | I-3233 | |
| P01034 | Chromium | ug/l | Total Recovrble | Actual | | | | | I-3233 | |
| P01040 | Copper | ug/l | Dissolved | Actual | | | | | I-4471 | |
| P01042 | Copper | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01045 | Iron | ug/l | Total Recovrble | Actual | | | | | I3381 | |
| P01046 | Iron | ug/l | Dissolved | Actual | | | | | I3381 | |
| P01049 | Lead | ug/l | Dissolved | Actual | | | | | I-4403 | |
| P01051 | Lead | ug/l | Total Recovrble | Actual | | | | | I-4403 | |
| P01055 | Manganese | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01056 | Manganese | ug/l | Dissolved | Actual | | | | | I-4471 | |
| P01057 | Thallium | ug/l | Dissolved | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P01059 | Thallium | ug/l | Total Recovrble | Actual | | | | | | |
| P01065 | Nickel | ug/l | Dissolved | Actual | | | | | I-4471 | |
| P01067 | Nickel | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01075 | Silver | ug/l | Dissolved | Actual | | | | | I-4724 | |
| P01077 | Silver | ug/l | Total Recovrble | Actual | | | | | I-4724 | |
| P01090 | Zinc | ug/l | Dissolved | Actual | | | | | I-4471 | |
| P01092 | Zinc | ug/l | Total Recovrble | Actual | | | | | I-4471 | |
| P01145 | Selenium | ug/l | Dissolved | Actual | | | | | I-4668 | |
| P01147 | Selenium | ug/l | Total Recovrble | Actual | | | | | I-4668 | |
| P71890 | Mercury | ug/l | Dissolved | Actual | | | | | I3462 | |
| P71900 | Mercury | ug/l | Total Recovrble | Actual | | | | | I3462 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| P.SW.OBS | USGS Surface Observation | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00010 | Temperature, water | deg C | | Actual | | | | | | |
| P00061 | Flow | cfs | | Calculated | | | | | FLOW | |
| P00065 | Gage height | ft | | Actual | | | | | | |
| P00095 | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | | |
| P00300 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| P00301 | Dissolved oxygen saturation | % | | Calculated | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00400 | pH | None | | Actual | | | | | PH | |
| P61028 | Turbidity | NTU | | Actual | | | | | TURB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| P.SW.PES | USGS Pesticides | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P04024 | Propachlor | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P04028 | Butylate | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P04029 | Bromacil | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P04031 | Cycloate | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P04032 | Terbacil | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P04033 | Diphenamid | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P04035 | Simazine | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P04037 | Prometone | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P04038 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P04039 | Desisopropyl atrazine | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P04040 | Desethyl atrazine | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P04041 | Cyanazine | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P04095 | Fonofos | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P34253 | BHC-alpha | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P34653 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P38442 | Dicamba | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38478 | Linuron | ug/l | Dissolved | Actual | | | | | O-2060-01 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P38482 | MCPA, Methyl chlorophenoxy acetic acid | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38487 | MCPB, 4-(4-Chloro-2-methylphenoxy) butyric acid | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38501 | Mercaptodimethur | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38538 | Propoxur | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38548 | Siduron | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38711 | Bentazone | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38746 | 2,4-DB, Dichlorophenoxybutyric acid | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38811 | Fluometuron | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38866 | Oxamyl | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P38933 | Chloropyrifos | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39341 | BHC-gamma (Lindane) | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39381 | Dieldrin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39415 | Metolachlor | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39532 | Malathion | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39542 | Parathion | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39572 | Diazinon | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39632 | Atrazine | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P39732 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P46342 | Alachlor | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P49235 | Triclopyr | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49236 | Propham | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49260 | Acetochlor | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P49291 | Picloram | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49292 | Oryzalin | ug/l | Dissolved | Actual | | | | | O-2060-01 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P49293 | Norflurazon | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49294 | Neburon | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49296 | Methomyl | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49297 | Fenuron | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49300 | Diuron | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49301 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P49302 | Dichlorprop | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49304 | Dacthal | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49305 | Clopyralid | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49306 | Daconil | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49308 | Hydroxycarbofuran, 3- | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49309 | Carbofuran | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49310 | Sevin | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49311 | Bromoxynil | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49312 | Aldicarb | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49313 | Aldicarb sulfone | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49314 | Aldicarb sulfoxide | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P49315 | Acifluorfen | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P50299 | Bendiocarb | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P50300 | Benomyl | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P50305 | Caffeine | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P50306 | Chlorimuron-ethyl | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P50337 | Sulfometuron-Methyl | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P50355 | 2-Hydroxyatrazine | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P50356 | Imazaquin acid | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P50359 | Metalaxyl | ug/l | Dissolved | Actual | | | | | O-2060-01 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P50364 | Nicosulfuron | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P50407 | Imazethapyr | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P50470 | 2,4-D methyl ester | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P50471 | Propiconazole (Tilt) | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P61188 | Chloramben methyl | ug/l | Dissolved | Actual | | | | | O-2060-01 | |
| P61692 | 3(4-Chlorophenyl)-1-methyl urea | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P61693 | Bensulfuron-methyl | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P61694 | Flumetsulam | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P61695 | Imidacloprid | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P61697 | Metsulfuron | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P62166 | Fipronil | ug/l | Dissolved | Actual | | | | | O-1126-02 | |
| P82630 | Metribuzin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82660 | Diethylaniline, 2,6- | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82661 | Trifluralin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82663 | Ethalfuralin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82664 | Phorate | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82665 | Terbacil | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82666 | Linuron | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82667 | Methyl parathion | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82668 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82669 | Pebulate | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82670 | Tebuthiuron | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82671 | Molinate | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82672 | Ethoprop | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82673 | Benefin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82674 | Carbofuran | ug/l | Dissolved | Actual | | | | | O-1126 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P82675 | Terbufos | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82676 | Pronamide | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82677 | Disulfoton | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82678 | Triallate | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82679 | Propanil | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82680 | Sevin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82681 | Thiobencarb | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82682 | Dacthal | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82683 | Pendimethalin | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82684 | Napropamide | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82685 | Propargite | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82686 | Azinphos-methyl | ug/l | Dissolved | Actual | | | | | O-1126 | |
| P82687 | Permethrin | ug/l | Dissolved | Actual | | | | | O-1126 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| P.SW.ROU | USGS Surface Routine Parameter | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00076 | Turbidity | NTU | Total | Actual | | | | | I-3860-89 | |
| P00403 | pH | None | | Actual | | | | | I-2587-89 | |
| P00409 | Acid Neutralizing Capacity (ANC) | ueq/L | Total | Actual | | | | | UNKNOWN | |
| P00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Dissolved | Actual | | | | | UNKNOWN | |
| P00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | P-2330 | |
| P00556 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|----------------------------|-------------------------------|------------|---------------------|----------------------------|
| P00623 | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | I-2515 | |
| P00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | I-4515 | |
| P00631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | I2545(W) | |
| P00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| P00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| P00681 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | O-1100-83 | |
| P00688 | Carbon, Total Inorganic | mg/l | Suspended | Actual | | | | | 440(W) | |
| P00689 | Carbon, Total Organic (Toc) | mg/l | Suspended | Actual | | | | | O-7100-83 | |
| P00694 | Carbon, organic plus inorganic (TC) **Retired | mg/l | Suspended | Actual | | | | | 440(W) | |
| P00900 | Hardness, carbonate | mg/l | Total | Calculated | | | | | UNKNOWN | |
| P00915 | Calcium | mg/l | Dissolved | Actual | | | | | I1472 | |
| P00925 | Magnesium | mg/l | Dissolved | Actual | | | | | I-1472 | |
| P00930 | Sodium | mg/l | Dissolved | Actual | | | | | I-1472 | |
| P00935 | Potassium | mg/l | Dissolved | Actual | | | | | I1630(W) | |
| P00940 | Chloride | mg/l | Dissolved | Actual | | | | | I2057 | |
| P00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | I2057 | |
| P00950 | Fluorides | mg/l | Dissolved | Actual | | | | | I2327 | |
| P00955 | Silica | mg/l | Dissolved | Actual | | | | | I2700 | |
| P01020 | Boron | ug/l | Dissolved | Actual | | | | | I-4729 | |
| P32209 | Chlorophyll a, corrected for pheophytin | ug/l | Total | Calculated | | | | | 445 | |
| P49570 | Nitrogen ion (N) | mg/l | Suspended | Actual | | | | | 440(W) | |
| P70300 | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |
| P70301 | Solids, Dissolved | mg/l | Total | Calculated | | | | | 2540-C | |
| P70331 | Particle distribution | % | | Actual | | | | | P-2330 | |
| | | | | | | Particle Size Basis | sieve diameter, % < 0.0625 mm | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P80154 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | P-2330 | |
| P80155 | Solids, Total Suspended (TSS) | ton | Total | Calculated | | | | | P-2330 | |
| P90095 | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | | |
| P90410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | I-2030-89 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| P.SW.VOC | USGS Surface Volatile Organics | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P30217 | Dibromomethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P32101 | Dichlorobromomethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P32102 | Carbon tetrachloride | ug/l | Total | Actual | | | | | O-4127-96 | |
| P32103 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P32104 | Bromoform | ug/l | Total | Actual | | | | | O-4127-96 | |
| P32105 | Chlorodibromomethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P32106 | Chloroform | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34010 | Toluene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34030 | Benzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34215 | Acrylonitrile | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34301 | Chlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| P34311 | Chloroethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34371 | Ethylbenzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34413 | Methyl bromide | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34418 | Methyl chloride | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34423 | Dichloromethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34475 | Tetrachloroethylene | ug/l | Total | Actual | | | | | O-4127-96 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P34488 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34496 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34501 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34506 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34511 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34516 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34536 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34541 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34546 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34668 | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34696 | Naphthalene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34699 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P34704 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P39175 | Vinyl chloride | ug/l | Total | Actual | | | | | O-4127-96 | |
| P39180 | Trichloroethylene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P39702 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P50004 | Ethyl tert-butyl ether | ug/l | Total | Actual | | | | | O-4127-96 | |
| P50005 | tert-amyl methyl ether | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77093 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77128 | Styrene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77135 | Xylene, o- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77168 | Dichloropropene, 1,1- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77170 | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | O-4127-96 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P77173 | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77222 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77223 | Cumene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77224 | Propylbenzene, n- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77226 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77275 | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77277 | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77297 | Chlorobromomethane | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77342 | Butyl benzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77350 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77353 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77356 | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77443 | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77562 | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77613 | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77651 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | O-4127-96 | |
| P77652 | Freon 113 | ug/l | Total | Actual | | | | | O-4127-96 | |
| P78032 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | O-4127-96 | |
| P81551 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | O-4127-96 | |
| P81555 | Monobromobenzene | ug/l | Total | Actual | | | | | O-4127-96 | |
| P81576 | Ethyl ether | ug/l | Total | Actual | | | | | O-4127-96 | |
| P81577 | Diisopropyl ether | ug/l | Total | Actual | | | | | O-4127-96 | |
| P82625 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | O-4127-96 | |
| P85795 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | O-4127-96 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------------------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| QC-SED | QC Inc Sediment | Sample | Sediment | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ARSENIC | Arsenic | mg/kg | Total | Actual | | Dry | | | 6010B | |
| CADMIUM | Cadmium | mg/kg | Total | Actual | | Dry | | | 6010B | |
| CHROMIUM-HEX | Chromium, hexavalent | mg/kg | Total | Actual | | | | | 11230 | |
| COPPER | Copper | mg/kg | Total | Actual | | Dry | | | 6010B | |
| IRON | Iron | mg/kg | Total | Actual | | Dry | | | 6010B | |
| LEAD | Lead | mg/kg | Total | Actual | | Dry | | | 6010B | |
| MANGANESE | Manganese | mg/kg | Total | Actual | | Dry | | | 6010B | |
| MERCURY | Mercury | mg/kg | Total | Actual | | Dry | | | 7471 | |
| NICKEL | Nickel | mg/kg | Total | Actual | | Dry | | | 6010B | |
| PETROLEUM HYDROCARBO | Hydrocarbons, Petroleum (Unspecified Mix) | mg/kg | Total | Actual | | Dry | | | 418.1 | |
| PHOSPHORUS TOTAL | Phosphorus as P | mg/kg | Total | Actual | | Dry | | | 365.2 | |
| SULFATE | Sulfur, sulfate (SO4) as S | mg/kg | Total | Actual | | Dry | | | | |
| TOTAL SOLIDS PERCENT | Solids, Total | % | Total | Actual | | | | | 2540-D | |
| ZINC | Zinc | mg/kg | Total | Actual | | Dry | | | 6010B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------------------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| QC-WAT | QC Inc Water Analysis | Sample | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| PETROLEUM HYDROCARBO | Hydrocarbons, Petroleum (Unspecified Mix) | mg/l | Total Recovrble | Actual | | | | | 418.1 | |
| PHOSPHORUS | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TOTAL LOW | | | | | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300.0 | |
| TOTAL RECOVERABLE PH | Phenol | mg/l | Total Recovrble | Actual | | | | | 420.1 | |
| TOTAL SULFIDE AS S | Sulfide | mg/l | Total | Actual | | | | | 376.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| SASMNMET | SASMN Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MAAS | Arsenic | ug/l | Total Recovrble | Actual | | | | | 200.9 | |
| MACA | Calcium | mg/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MACAD | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| MACD | Cadmium | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MACR | Chromium | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MACRH | Chromium, hexavalent | ug/l | Total | Actual | | | | | 11230 | |
| MACU | Copper | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MAHD | Hardness, carbonate | mg/l | Total Recovrble | Calculated | | | | | 2340-B | |
| MAHG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| MAK | Potassium | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MAMG | Magnesium | mg/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MAMGD | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| MANA | Sodium | mg/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MANI | Nickel | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MAPB | Lead | ug/l | Total | Actual | | | | | 200.9 | |
| MASE | Selenium | ug/l | Total | Actual | | | | | 200.9 | |
| MAZN | Zinc | ug/l | Total Recovrble | Actual | | | | | 200.7(W) | |
| MDCA | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| MDHD | Hardness, carbonate | mg/l | Dissolved | Calculated | | | | | 2340-B | |
| MDK | Potassium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| MDMG | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| MDNA | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| SASMPES | SASMN Pesticides 608 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| ALPHA BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| AROCLOR 1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| AROCLOR 1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| AROCLOR 1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| AROCLOR 1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AROCLOR 1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| AROCLOR 1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| AROCLOR 1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| BETA BHC | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| CHLORDANE | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| DDD | DDD, o,p'- | ug/l | Total | Actual | | | | | 608 | |
| DDE | DDE, o,p'- | ug/l | Total | Actual | | | | | 608 | |
| DDT | DDT,o,p'- | ug/l | Total | Actual | | | | | 608 | |
| DELTA BHC | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| ENDOSULFAN I | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| ENDOSULFAN II | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| ENDOSULFAN SULFATE | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | 608 | |
| ENDRIN ALDEHYDE | Endrin Aldehyde | ug/l | Total | Actual | | | | | 608 | |
| HEPTACHLOR | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| HEPTACHLOR EPOXIDE | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| LINDANE | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| TOXAPHENE | Toxaphene | ug/l | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| SONDE | DATA SONDE | Data Logger | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a (probe) | ug/l | | Actual | | | | | SONDE-YSI | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| DOSAT | Dissolved oxygen saturation | % | | Actual | | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 120.00000 % | | | | | | | | |
| PH | pH | None | | Actual | | | | | SONDE-YSI | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| SAL | Salinity | 0/00 | | Actual | | | | | SONDE-YSI | |
| SC | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | SONDE-YSI | |
| SCM | Specific conductance | mS/cm | | Actual | | | | 25 Deg C | SONDE-YSI | |
| TEMP | Temperature, water | deg C | | Actual | | | | | SONDE-YSI | |
| TURB | Turbidity | NTU | | Actual | | | | | SONDE-YSI | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| USGS.HG | Low Level Mercury at USGS lab | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HG-DISS | Mercury | ug/l | Dissolved | Actual | | | | | WDML SOP001 | |
| HG-DISS-J | Mercury | ug/l | Dissolved | Estimated | | | | | WDML SOP001 | |

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| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| RIB-BACT | Bacteriological Parameters | Sample | Water | | | | N |

Citations J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Total Coliform Acceptable Range | #/100ml | | Actual | | | | | 9222-B | |
| 2 | Fecal Coliform Acceptable Range | #/100ml | | Actual | | | | | 9222-D | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| RIB-FLD | Field Data | Field Msr/Obs | Water | | | | N |

Citations J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water Acceptable Range | deg C | | Actual | | | | | RIBS-FIELD | |
| 2 | Dissolved oxygen (DO) Acceptable Range | mg/l | | Actual | | | | | RIBS-FIELD | |
| 3 | pH Acceptable Range | None | | Actual | | | | | RIBS-FIELD | |
| 4 | Specific conductance Acceptable Range | uS/cm | | Actual | | | | | RIBS-FIELD | |
| 5 | Barometric pressure Acceptable Range | mm/Hg | | Actual | | | | | RIBS-FIELD | |
| 6 | Flow Acceptable Range | cfs | | Estimated | | | | | RIBS-OBSRV | |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| RIB-METD | Heavy Metals, Dissolved | Sample | Water | | | | N |

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Citations J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Aluminum Acceptable Range | ug/l 10.00000 - 200.00000 ug/l | Dissolved | Actual | | | | | 200.7(W) | RIBS-WCOL-FLT |
| 2 | Cadmium Acceptable Range | ug/l 0.02000 - 1.00000 ug/l | Dissolved | Actual | | | | | 200.8(W) | RIBS-WCOL-FLT |
| 3 | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | RIBS-WCOL-FLT |
| 4 | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | RIBS-WCOL-FLT |
| 5 | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | RIBS-WCOL-FLT |
| 6 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | RIBS-WCOL-FLT |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| RIB-METT | Heavy Metals, Total | Sample | Water | | | | N |

Citations J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Aluminum Acceptable Range | ug/l 15.00000 - 1,000.00000 ug/l | Total | Actual | | | | | 200.7(W) | |
| 2 | Cadmium Acceptable Range | ug/l 0.04000 - 5.00000 ug/l | Total | Actual | | | | | 200.8(W) | |
| 3 | Copper Acceptable Range | ug/l 0.20000 - 5.00000 ug/l | Total | Actual | | | | | 200.8(W) | |
| 4 | Iron Acceptable Range | ug/l 2.50000 - 300.00000 ug/l | Total | Actual | | | | | 200.7(W) | |
| 5 | Lead Acceptable Range | ug/l 0.25000 - 1.00000 ug/l | Total | Actual | | | | | 200.8(W) | |
| 6 | Manganese Acceptable Range | ug/l 0.25000 - 300.00000 ug/l | Total | Actual | | | | | 200.7(W) | |
| 7 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.02000 - 0.20000 ug/l | | | | | | | | |
| 8 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.40000 - 30.00000 ug/l | | | | | | | | |
| 9 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 1.50000 - 30.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| RIB-MIN | Minerals | Sample | Water | | | | N |
| | Citations | J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append) | | | | | |
| | Description | Parameter group includes various nutrient, solids fractions, and other physical/chemical parameters routinely collected at all RIBS Intensive/Routine Network sites. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 310.1 | |
| | Acceptable Range | 1.00000 - 250.00000 mg/l | | | | | | | | |
| 2 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| | Acceptable Range | 1.00000 - 1,200.00000 mg/l | | | | | | | | |
| 3 | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 1.00000 - 300.00000 mg/l | | | | | | | | |
| 4 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 60.00000 mg/l | | | | | | | | |
| 5 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.50000 - 200.00000 mg/l | | | | | | | | |
| 6 | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.20000 - 25.00000 mg/l | | | | | | | | |
| 7 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 1.00000 - 300.00000 mg/l | | | | | | | | |
| 8 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 750.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 9 | Fluorides Acceptable Range | mg/l 0.02000 - 1.00000 mg/l | Total | Actual | | | | | 300(A) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| RIB-NUTR | Nutrients | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrogen, ammonia (NH3) as NH3 Acceptable Range | mg/l 0.01000 - 1.00000 mg/l | | Actual | | | | | 350.1 | |
| 2 | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.05000 - 1.50000 mg/l | | Actual | | | | | 351.2 | |
| 3 | Nitrogen, Nitrite (NO2) as NO2 Acceptable Range | mg/l 0.01000 - 0.50000 mg/l | | Actual | | | | | 353.2 | |
| 4 | Nitrogen, Nitrate (NO3) as NO3 Acceptable Range | mg/l 0.05000 - 2.00000 mg/l | | Calculated | | | | | 353.2 | |
| 5 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N Acceptable Range | mg/l 0.02000 - 2.00000 mg/l | | Actual | | | | | 353.2 | |
| 6 | Phosphorus as P Acceptable Range | mg/l 0.00300 - 0.50000 mg/l | Total | Actual | | | | | 365.1 | RIBS-WCOL |
| 7 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| RIB-PHNL | Phenolic Compounds | Sample | Water | | | | N |

Citations J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)
Description Parameter group is limited to Total Phenolic Compounds

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Phenols (mixture) | mg/l | Total | Actual | | | | | 420.2 | RIBS-WCOL |
| | Acceptable Range | 0.00000 - 1.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| RIB-PHYS | Physical | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 6.50000 - 8.50000 None | | | | | | | | |
| 2 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| | Acceptable Range | 30.00000 - 1,500.00000 umho/cm | | | | | | | | |
| 3 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.50000 - 3.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIB-SOL | Solids/ Suspended Sediment | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Solids, Total | mg/l | | Actual | | | | | 160.3 | |
| | Acceptable Range | 1.00000 - 600.00000 mg/l | | | | | | | | |
| 2 | Solids, Dissolved | mg/l | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 3 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.1 | |
| | Acceptable Range | 1.00000 - 150.00000 mg/l | | | | | | | | |
| 4 | Solids, Volatile | mg/l | Total | Actual | | | | | 160.4 | RIBS-WCOL |
| | Acceptable Range | 1.00000 - 150.00000 mg/l | | | | | | | | |
| 5 | Solids, Fixed | mg/l | Total | Actual | | | | | 160.4 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|-------------------------------|-----------------------|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| RIB-VHO | Volatile Halogenated Organics | Sample | Water | | | | | | | N |

Citations J.A.Myers, etal., 2000, Program Plan for Statewide Waters Monitoring Program, NYSDEC, 47 pgs (plus append)

Description Parameter group is limited to eight volatile halogenated organics most commonly detected in ambient waters.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Chloroform | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.10000 - 1.00000 | ug/l | | | | | | | |
| 2 | Chlorodibromomethane | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.10000 - 1.00000 | ug/l | | | | | | | |
| 3 | Dichlorobromomethane | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.20000 - 1.00000 | ug/l | | | | | | | |
| 4 | Methyl chloride | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.20000 - 1.00000 | ug/l | | | | | | | |
| 5 | Trichloroethylene | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 1.00000 | ug/l | | | | | | | |
| 6 | Tetrachloroethylene | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.20000 - 1.00000 | ug/l | | | | | | | |
| 7 | Vinyl chloride | ug/l | | Actual | | | | | 601 | |
| | Acceptable Range | 0.30000 - 1.00000 | ug/l | | | | | | | |
| 8 | Dichloromethane | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 1.00000 | ug/l | | | | | | | |

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21OHDGW

Division of Drinking and Ground Water (Ohio)

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-AA | Metals, AA, Ambient | Sample | Water | | | | N |

Citations Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1
Description Group of four GFAA metals: As, Cd, Pb, and Se.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P1002 | Arsenic | ug/l | Total | Actual | | | | | SM 3113B | |
| | Acceptable Range | 2.00000 - 8.00000 ug/l | | | | | | | | |
| P1002_O | Arsenic | ug/l | Total | Actual | | | | | 407.1 | |
| | Acceptable Range | 2.00000 - 8.00000 ug/l | | | | | | | | |
| P1027 | Cadmium | ug/l | Total | Actual | | | | | SM 3113B | |
| | Acceptable Range | 0.20000 - 0.25000 ug/l | | | | | | | | |
| P1027_O | Cadmium | ug/l | Total | Actual | | | | | 407.1 | |
| | Acceptable Range | 0.20000 - 0.25000 ug/l | | | | | | | | |
| P1051 | Lead | ug/l | Total | Actual | | | | | SM 3113B | |
| | Acceptable Range | 2.00000 - 5.00000 ug/l | | | | | | | | |
| P1051_O | Lead | ug/l | Total | Actual | | | | | 407.1 | |
| | Acceptable Range | 2.00000 - 5.00000 ug/l | | | | | | | | |
| P1147 | Selenium | ug/l | Total | Actual | | | | | SM 3113B | |
| | Acceptable Range | 2.00000 - 2.50000 ug/l | | | | | | | | |
| P1147_O | Selenium | ug/l | Total | Actual | | | | | 407.1 | |
| | Acceptable Range | 2.00000 - 2.50000 ug/l | | | | | | | | |
| P71900 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.20000 - 8.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-BNA | Base Neutral Acid Extractable | Sample | Water | | | | N |

Citations Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1
Description Standard Ambient Template for BNAs (Semi-Volatile Compounds): Method 625, 53 parameters + 10 TIC maximum.

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P34200 | Acenaphthylene | ug/l | Total | Actual | | | | | 625.0 | |
| P34205 | Acenaphthene | ug/l | Total | Actual | | | | | 625.0 | |
| P34220 | Anthracene | ug/l | Total | Actual | | | | | 625.0 | |
| P34230 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 625.0 | |
| P34242 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 625.0 | |
| P34273 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 625.0 | |
| P34278 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 625.0 | |
| P34283 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | 625.0 | |
| P34293 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 625.0 | |
| P34320 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 625.0 | |
| P34327 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 625.0 | |
| P34336 | Diethyl phthalate | ug/l | Total | Actual | | | | | 625.0 | |
| P34341 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 625.0 | |
| P34376 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | 625.0 | |
| P34381 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | 625.0 | |
| P34386 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 625.0 | |
| P34396 | Hexachloroethane | ug/l | Total | Actual | | | | | 625.0 | |
| P34403 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 625.0 | |
| P34408 | Isophorone | ug/l | Total | Actual | | | | | 625.0 | |
| P34428 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 625.0 | |
| P34433 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 625.0 | |
| P34447 | nitro-Benzene | ug/l | Total | Actual | | | | | 625.0 | |
| P34452 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 625.0 | |
| P34461 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | 625.0 | |
| P34469 | Pyrene | ug/l | Total | Actual | | | | | 625.0 | |
| P34521 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 625.0 | |
| P34526 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 625.0 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P34536 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 625.0 | |
| P34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 625.0 | |
| P34556 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 625.0 | |
| P34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 625.0 | |
| P34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 625.0 | |
| P34581 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | | |
| P34586 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 625.0 | |
| P34591 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 625.0 | |
| P34596 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 625.0 | |
| P34601 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 625.0 | |
| P34606 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | | |
| P34611 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 625.0 | |
| P34616 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 625.0 | |
| P34621 | 2,4,6-Trichlorophenol (TCP) | ug/l | Total | Actual | | | | | 625.0 | |
| P34626 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 625.0 | |
| P34636 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625.0 | |
| P34641 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625.0 | |
| P34646 | p-Nitrophenol | ug/l | Total | Actual | | | | | 625.0 | |
| P34694 | Phenol | ug/l | Total | Actual | | | | | 625.0 | |
| P34696 | Naphthalene | ug/l | Total | Actual | | | | | 625.0 | |
| P39032 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 625.0 | |
| P39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 625.0 | |
| P39110 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 625.0 | |
| P39700 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 625.0 | |
| P39702 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 625.0 | |
| PBBBBB | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 625.0 | |

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| | | | | | | | |
|--------------------|---------------------------|--|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-FP | Field Parameters, Ambient | Field Msr/Obs | Water | | | | N |
| Citations | | Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15 | | | | | |
| Description | | Specific Conductivity, pH, and Temperature of ambient (raw) ground water | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| P10 | Temperature, water | deg C | | Actual | | | | | TEMP-001 | | |
| | Acceptable Range | 4.00000 - 17.05000 deg C | | | | | | | | | |
| P299 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | | |
| | Acceptable Range | 0.10000 - 15.00000 mg/l | | | | | | | | | |
| P400 | pH | None | Total | Actual | | | | | PH-001 | | |
| | Acceptable Range | 5.50000 - 8.30000 None | | | | | | | | | |
| P76 | Turbidity | NTU | | Actual | | | | | | | |
| P94 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | SP.COND.-001 | | |
| | Acceptable Range | 0.00000 - 1,100.00000 umho/cm | | | | | | | | | |
| PORP | Oxidation reduction potential (ORP) | mV | Total | Actual | | | | | ORP-001 | | |
| PTDS | Solids, Dissolved | mg/l | Total | Actual | | | | | TDS-001 | | |

| | | | | | | | |
|--------------------|----------------------|--|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-ICP | Metals, ICP, Ambient | Sample | Water | | | | N |
| Citations | | Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1 | | | | | |
| Description | | Metals by ICP for raw AGWMP samples | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|---------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| P1007 | Barium | ug/l | Total | Actual | | | | | 200.7(W) | | |
| | Acceptable Range | 15.00000 - 419.00000 ug/l | | | | | | | | | |
| P1007_O | Barium | ug/l | Total | Actual | | | | | 401.1 | | |
| | Acceptable Range | 15.00000 - 419.00000 ug/l | | | | | | | | | |
| P1034 | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 30.00000 - 31.00000 ug/l | | | | | | | | |
| P1034_O | Chromium | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 30.00000 - 31.00000 ug/l | | | | | | | | |
| P1042 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 10.00000 - 23.00000 ug/l | | | | | | | | |
| P1042_O | Copper | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 10.00000 - 23.00000 ug/l | | | | | | | | |
| P1045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 50.00000 - 4,000.00000 ug/l | | | | | | | | |
| P1045_O | Iron | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 50.00000 - 4,000.00000 ug/l | | | | | | | | |
| P1055 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 10.00000 - 600.00000 ug/l | | | | | | | | |
| P1055_O | Manganese | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 10.00000 - 600.00000 ug/l | | | | | | | | |
| P1067 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 40.00000 - 42.00000 ug/l | | | | | | | | |
| P1067_O | Nickel | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 40.00000 - 42.00000 ug/l | | | | | | | | |
| P1082 | Strontium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 30.00000 - 29,000.00000 ug/l | | | | | | | | |
| P1082_O | Strontium | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 30.00000 - 29,000.00000 ug/l | | | | | | | | |
| P1087 | Vanadium | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 0.20000 - 8.00000 ug/l | | | | | | | | |
| P1092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 10.00000 - 100.00000 ug/l | | | | | | | | |
| P1092_O | Zinc | ug/l | Total | Actual | | | | | 401.1 | |
| | Acceptable Range | 10.00000 - 100.00000 ug/l | | | | | | | | |
| P1105 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 100.00000 - 200.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P1105_O | Aluminum Acceptable Range | ug/l | Total | Actual | | | | | 401.1 | |
| P1220 | Chromium, hexavalent Acceptable Range | ug/l | Dissolved | Actual | | | | | 417.2 | |
| P900 | Hardness, Ca + Mg Acceptable Range | mg/l | Total | Calculated | | | | | 200.7(W) | |
| P900_O | Hardness, Ca + Mg Acceptable Range | mg/l | Total | Calculated | | | | | 200.7(W) | |
| P916 | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| P916_O | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 401.1 | |
| P927 | Magnesium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| P927_O | Magnesium Acceptable Range | mg/l | Total | Actual | | | | | 401.1 | |
| P929 | Sodium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| P929_O | Sodium Acceptable Range | mg/l | Total | Actual | | | | | 401.1 | |
| P937 | Potassium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| P937_O | Potassium Acceptable Range | mg/l | Total | Actual | | | | | 401.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| CG-NAOH | NAOH Preserved | Sample | Water | | | | N |
| Citations | Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1 | | | | | | |
| Description | NAOH Preserved samples, mainly cyanide, total, and cyanide free. | | | | | | |

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Division of Drinking and Ground Water (Ohio)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P718 | Cyanide Acceptable Range | ug/l | Total | Actual | | | | | 240.1 | |
| | | 10.00000 - 50.00000 ug/l | | | | | | | | |
| P720 | Cyanide Acceptable Range | ug/l | Free Available | Actual | | | | | 240.2 | |
| | | 10.00000 - 50.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| CG-NDI | Nutrients, Demand, Inorganic | Sample | Water | | | | N |
| Citations | Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1 | | | | | | |
| Description | Group of 11 nutrient and demand and general inorganic constituents: TDS, TOC, Alkalinity, Chloride, COD, Fluoride, Ammonia-N, Nitrate-Nitrite, Sulfate, TKN, and Total Phosphorous. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P32730 | Phenols (mixture) Acceptable Range | ug/l | Total | Actual | | | | | 340.1 | |
| | | 0.10000 - 5.00000 ug/l | | | | | | | | |
| P335 | COD ***retired*** (use COD, Chemical Oxygen Demand) Acceptable Range | mg/l | Total | Actual | | | | | SM 5220D | |
| | | 5.00000 - 65.00000 mg/l | | | | | | | | |
| P340 | COD ***retired*** (use COD, Chemical Oxygen Demand) Acceptable Range | mg/l | Total | Actual | | | | | SM 5220D | |
| | | 10.00000 - 15.00000 mg/l | | | | | | | | |
| P340_O | COD ***retired*** (use COD, Chemical Oxygen Demand) Acceptable Range | mg/l | Total | Actual | | | | | 320.3 | |
| | | 10.00000 - 15.00000 mg/l | | | | | | | | |
| P610 | Nitrogen, ammonia (NH3) as NH3 Acceptable Range | mg/l | Total | Actual | | | | | 350.1 | |
| | | 0.05000 - 0.80000 mg/l | | | | | | | | |
| P610_O | Nitrogen, ammonia (NH3) as NH3 Acceptable Range | mg/l | Total | Actual | | | | | 250.1 | |
| | | 0.05000 - 0.80000 mg/l | | | | | | | | |
| P615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 250.4 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.20000 - 4.00000 mg/l | | | | | | | | |
| P620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 250.5 | |
| | Acceptable Range | 0.50000 - 4.00000 mg/l | | | | | | | | |
| P625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.20000 - 1.00000 mg/l | | | | | | | | |
| P625_O | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 250.2 | |
| | Acceptable Range | 0.20000 - 1.00000 mg/l | | | | | | | | |
| P630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.10000 - 2.20000 mg/l | | | | | | | | |
| P630_O | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 250.3 | |
| | Acceptable Range | 0.10000 - 2.20000 mg/l | | | | | | | | |
| P650 | Phosphate | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 0.50000 mg/l | | | | | | | | |
| P665 | Phosphorus | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.05000 - 0.20000 mg/l | | | | | | | | |
| P665_O | Phosphorus | mg/l | Total | Actual | | | | | 260.1 | |
| | Acceptable Range | 0.05000 - 0.20000 mg/l | | | | | | | | |
| P666 | Phosphorus | mg/l | Dissolved | Actual | | | | | 351.2 | |
| P680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | SM 5310B | |
| | Acceptable Range | 2.00000 - 5.00000 mg/l | | | | | | | | |
| P7000 | Tritium | T.U. | Total | Actual | | | | | TRIT | |
| | Acceptable Range | 0.80000 - 20.00000 T.U. | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| CG-ORGCL | Organochlorine Pesticides | Sample | Water | | | | N |
| Citations | Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1 | | | | | | |
| Description | Contains 19 chlorine containing organic pesticides, GC Method 608 | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aldrin | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| CG-PEST | Pesticides/Herbicides | Sample | Water | | | | N |
| Citations | Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1 | | | | | | |
| Description | Standard Ambient Template for Pesticides/Herbicides, Method 525.2, 12 parameters, plus 25 older pest/herb compounds | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P04024 | Propachlor | ug/l | Total | Actual | | | | | 525.2 | |
| P04041 | Cyanazine | ug/l | Total | Actual | | | | | 525.2 | |
| P34327 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 525.2 | |
| P39032 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 525.2 | |
| P39033 | Atrazine | ug/l | Total | Actual | | | | | 525.2 | |
| P39055 | Simazine | ug/l | Total | Actual | | | | | 525.2 | |
| P39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 525.2 | |
| P39356 | Metolachlor | ug/l | Total | Actual | | | | | 525.2 | |
| P77825 | Alachlor | ug/l | Total | Actual | | | | | 525.2 | |
| P77860 | Butachlor | ug/l | Total | Actual | | | | | 525.2 | |
| P77903 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | 525.2 | |
| P81408 | Metribuzin | ug/l | Total | Actual | | | | | 525.2 | |
| PP1 | Chlordane | ug/l | Total | Actual | | | | | 525.2 | |
| PP10 | Aldrin | ug/l | Total | Actual | | | | | 525.2 | |
| PP11 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 525.2 | |
| PP12 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 525.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PP13 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 525.2 | |
| PP14 | Dieldrin | ug/l | Total | Actual | | | | | 525.2 | |
| PP18 | Malathion | ug/l | Total | Actual | | | | | 525.2 | |
| PP19 | Parathion | ug/l | Total | Actual | | | | | 525.2 | |
| PP2 | Heptachlor | ug/l | Total | Actual | | | | | 525.2 | |
| PP20 | Methyl parathion | ug/l | Total | Actual | | | | | 525.2 | |
| PP22 | Linuron | ug/l | Total | Actual | | | | | 525.2 | |
| PP23 | Trifluralin | ug/l | Total | Actual | | | | | 525.2 | |
| PP24 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 525.2 | |
| PP25 | Glyphosate (Roundup) | ug/l | Total | Actual | | | | | 525.2 | |
| PP26 | Acetochlor | ug/l | Total | Actual | | | | | 525.2 | |
| PP3 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 525.2 | |
| PP4 | Endrin | ug/l | Total | Actual | | | | | 525.2 | |
| PP5 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 525.2 | |
| PP6 | Methoxychlor | ug/l | Total | Actual | | | | | 525.2 | |
| PP7 | Toxaphene | ug/l | Total | Actual | | | | | 525.2 | |
| PP9 | Silvex | ug/l | Total | Actual | | | | | 525.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| CG-UNPR | Unpreserved, Ambient | Sample | Water | | | | N |
| Citations | Ohio EPA-DDAGW, 2002, Operating Procedures Document, Ohio EPA, 3-1 to 3-15 | | | | | | |
| Description | Group contains a variety of unpreserved Ambient parameters: Cl, F, TDS, Alkalinity, and SO4, Tritium, BOD, MBAS, etc. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 70300_O | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 10.00000 - 1,000.00000 mg/l | | | | | | | | |
| P310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | | 310.1 | |
| | Acceptable Range | 2.00000 - 10.00000 mg/l | | | | | | | | |
| P31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | 620.1 | |
| | Acceptable Range | 10.00000 - 50.00000 #/100ml | | | | | | | | |
| P38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.50000 - 25.00000 mg/l | | | | | | | | |
| P403 | pH | None | Total | Actual | | | | | PH-001 | |
| | Acceptable Range | 0.10000 - 12.00000 None | | | | | | | | |
| P410 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 5.00000 - 500.00000 mg/l | | | | | | | | |
| P410_O | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 220.11 | |
| | Acceptable Range | 5.00000 - 500.00000 mg/l | | | | | | | | |
| P500 | Solids, Total | mg/l | | Actual | | | | | 130.1 | |
| | Acceptable Range | 5.00000 - 600.00000 mg/l | | | | | | | | |
| P530 | Solids, Total | mg/l | | Actual | | | | | 130.3 | |
| | Acceptable Range | 10.00000 - 600.00000 mg/l | | | | | | | | |
| P7000 | Tritium | T.U. | Total | Actual | | | | | TRIT | |
| | Acceptable Range | 0.80000 - 50.00000 T.U. | | | | | | | | |
| P70300 | Solids, Dissolved | mg/l | | Actual | | | | | SM 2540C | |
| | Acceptable Range | 10.00000 - 1,000.00000 mg/l | | | | | | | | |
| P70508 | Acidity, Hydrogen ion (H+) | mg/l | Total | Actual | | | | | 210.1 | |
| | Acceptable Range | 0.10000 - 25.00000 mg/l | | | | | | | | |
| P940 | Chloride | mg/l | Total | Actual | | | | | 325.1 | |
| | Acceptable Range | 5.00000 - 94.00000 mg/l | | | | | | | | |
| P940_O | Chloride | mg/l | Total | Actual | | | | | 230.1 | |
| | Acceptable Range | 5.00000 - 94.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P945 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l | Total | Actual | | | | | 375.2 | |
| P945_O | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l | Total | Actual | | | | | 270.2 | |
| P95 | Specific conductance Acceptable Range | umho/cm | | Actual | | | | | | |
| P951 | Fluorides Acceptable Range | mg/l | Total | Actual | | | | | SM 4500-FC | |
| P951_O | Fluorides Acceptable Range | mg/l | Total | Actual | | | | | 280.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| CG-VOC | Volatile Organic Compounds | Sample | Water | | | | N |
| Citations | Division of Environmental Services, 1997, Manual of Laboratory Analytical Procedures, Ohio EPA-DES, Volume 1 | | | | | | |
| Description | Standard Template for Ambient samples : Method 524.2 (60 parameters), + 10 TIC maximum. MTBE was included in the Fall of 2000. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P03908 | Cymene ***retired***(use p-Cymene) | ug/l | Total | Actual | | | | | 524.2 | |
| P32101 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| P32102 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 524.2 | |
| P32103 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P32104 | Bromoform | ug/l | Total | Actual | | | | | 524.2 | |
| P32105 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| P32106 | Chloroform | ug/l | Total | Actual | | | | | 524.2 | |
| P34010 | Toluene | ug/l | Total | Actual | | | | | 524.2 | |
| P34020 | Xylene, o- | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P34030 | Benzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34301 | Chlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34311 | Chloroethane | ug/l | Total | Actual | | | | | 524.2 | |
| P34371 | Ethylbenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34392 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 524.2 | |
| P34413 | Methyl bromide | ug/l | Total | Actual | | | | | 524.2 | |
| P34418 | Methyl chloride | ug/l | Total | Actual | | | | | 524.2 | |
| P34423 | Dichloromethane | ug/l | Total | Actual | | | | | 524.2 | |
| P34476 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| P34488 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 524.2 | |
| P34496 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| P34501 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| P34506 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| P34511 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P34516 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P34536 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34541 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P34546 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P34668 | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | 524.2 | |
| P34696 | Naphthalene | ug/l | Total | Actual | | | | | 524.2 | |
| P34699 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 524.2 | |
| P34704 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 524.2 | |
| P38760 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P39175 | Vinyl chloride | ug/l | Total | Actual | | | | | 524.2 | |
| P39180 | Trichloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| P77093 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | 524.2 | |
| P77128 | Styrene | ug/l | Total | Actual | | | | | 524.2 | |
| P77168 | Dichloropropene, 1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| P77170 | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P77173 | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | 524.2 | |
| P77222 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | 524.2 | |
| P77223 | Cumene | ug/l | Total | Actual | | | | | 524.2 | |
| P77224 | Propylbenzene, n- | ug/l | Total | Actual | | | | | 524.2 | |
| P77226 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | 524.2 | |
| P77275 | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | 524.2 | |
| P77277 | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | 524.2 | |
| P77297 | Chlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| P77342 | Butyl benzene | ug/l | Total | Actual | | | | | 524.2 | |
| P77350 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | 524.2 | |
| P77353 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | 524.2 | |
| P77443 | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | 524.2 | |
| P77562 | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| P77596 | Dibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| P77613 | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | 524.2 | |
| P77651 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 524.2 | |
| P81555 | Monobromobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| P85795 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 524.2 | |
| PMTBE | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 524.2 | |
| PT137 | Diisopropyl ether | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PT139 | Propane | ug/l | Total | Actual | | | | | 524.2 | |
| PT140 | Isobutane | ug/l | Total | Actual | | | | | 524.2 | |
| PT141 | Butane | ug/l | Total | Actual | | | | | 524.2 | |
| PTHM | Trihalomethanes (unspecified mix) | ug/l | Total | Actual | | | | | 524.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 000 | Stream (non-routine) | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00515A | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |
| 00530A | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 13765 | |
| 00530H | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 13765 | |
| 00600 | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00935A | Potassium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00937A | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 01000 | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025A | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01030A | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01030H | Chromium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045W | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045Z | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051A | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01057H | Thallium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01090A | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106A | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01106D | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 40000 | Solids, Total | % | | Actual | | | | | EPA SW 846 305 | |
| 40005K | Moisture content | % | Total | Actual | | | | | EPA SW 846 305 | |
| 40006K | Solids, Total | mg/kg | Total | Actual | | | | | EPA SW 846 305 | |
| 40280 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 40610 | Ammonia, unionized | mg/l | Total | Actual | | | | | 350.1 | |
| 40665 | Phosphorus | mg/l | Total | Actual | | | | | 365_M | |
| 46022K | Boron | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46251 | Magnesium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46251K | Magnesium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46254 | Iron | mg/kg | Total | Actual | | | | | EPA SW 846 305 | |
| 46255 | Manganese | mg/kg | Total | Actual | | | | | EPA SW 846 305 | |
| 46255K | Manganese | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-------|--------------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 46256 | Calcium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46256K | Calcium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46257 | Copper | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46257K | Copper | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46258 | Lead | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46258K | Lead | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46259 | Mercury | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46259K | Mercury | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46307 | Nickel | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46307K | Nickel | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46308K | Chromium | mg/kg | Total | Actual | | | | | EPA SW 846 305 | |
| 46309 | Cadmium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46309K | Cadmium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46610 | Nitrogen, ammonium (NH4) as NH4 | mg/kg | Total Recovrble | Actual | | Dry | | | EPA SW 846 305 | |
| 46665 | Phosphorus | % | Total | Actual | | | | | 365_M | |
| 46745 | Sulfide | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 46900 | Aluminum | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46900K | Aluminum | ug/l | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46901 | Barium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46901K | Barium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46902K | Silver | mg/kg | Total | Actual | | | | | EPA SW 846 305 | |
| 46903 | Arsenic | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46903K | Arsenic | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46905 | Zinc | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46905K | Zinc | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46909K | Antimony | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46910 | Beryllium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46910K | Beryllium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46912 | Tin | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46912K | Tin | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 46913K | Vanadium | mg/kg | Total | Actual | | Dry | | | EPA SW 846 305 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 71890X | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| 010 | WQN Routine | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/l | Total | Actual | | | | | 410.4 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00556H | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 00600 | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00719A | Cyanide | mg/l | Total | Actual | | | | | DEPCYAN | |
| 00720A | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00937A | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| 00940A | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007A | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01012A | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027A | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01077A | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01087A | Vanadium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01090A | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01095H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01097H | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106A | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01147H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | DEPMBAS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 70507A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 71900X | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 82550 | Osmotic pressure | mmol/kg | Total | Actual | | | | | DEPOSPRESS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 011 | WQN Toxics | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00403 | pH | None | Total | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00556H | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00719A | Cyanide | mg/l | Total | Actual | | | | | DEPCYAN | |
| 00720A | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01000 | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01025A | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01027A | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01030A | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01090A | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106A | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01145H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 70507A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 71900X | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 71901 | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71901I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 82550 | Osmotic pressure | mmol/kg | Total | Actual | | | | | DEPOSPRESS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| 013 | WQN Ambient | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/l | Total | Actual | | | | | 410.4 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00556H | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00719A | Cyanide | mg/l | Total | Actual | | | | | DEPCYAN | |
| 00720A | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01007H | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01090A | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01145H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | PAFECAL | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | DEPMBAS | |
| 70507A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 71900X | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 82550 | Osmotic pressure | mmol/kg | Total | Actual | | | | | DEPOSRESS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 015 | Ambient/Low Alkalinity | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 000929A | Sodium | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 004356 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00719A | Cyanide | mg/l | Total | Actual | | | | | DEPCYAN | |
| 00720A | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00929A | Sodium | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00940A | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01005H | Barium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01007A | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007H | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01027A | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01145H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | DEPMBAS | |
| 70507A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 82550 | Osmotic pressure | mmol/kg | Total | Actual | | | | | DEPOSPRESS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 016 | WQN Low Alkalinity | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00310 | BOD, Biochemical oxygen | mg/l | Total | Actual | | | | | 5210-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | demand | | | | | | | | | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00719A | Cyanide | mg/l | Total | Actual | | | | | DEPCYAN | |
| 00720A | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 01027A | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 70507A | Phosphorus, orthophosphate as | mg/l | Total | Actual | | | | | 365.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | P | | | | | | | | | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 82550 | Osmotic pressure | mmol/kg | Total | Actual | | | | | DEPOSPRESS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 017 | WQN Lakes | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00935 | Potassium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00935A | Potassium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00937A | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 70353 | Halides (unspecified mix) | ug/l | Total | Actual | | | | | 450.1 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71890X | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 71900X | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 018 | Special Prot Surveys | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00719A | Cyanide | mg/l | Total | Actual | | | | | DEPCYAN | |
| 00720A | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00940A | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 020 | WQN Elan Metals | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00665 | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| 01032A | Chromium, hexavalent | ug/l | Total | Actual | | | | | 218.6 | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075A | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01077A | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01077H | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71890X | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 71900X | Mercury | ug/l | Total | Actual | | | | | 245.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 028 | Nutrient Blank | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00602A | Nitrogen, organic | mg/l | Dissolved | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00666 | Phosphorus | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00666A | Phosphorus | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00671A | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 70507A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 031 | Red Clay Creek Monitoring | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00308 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/l | Total | Actual | | | | | 410.4 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00545 | Solids, Total | mg/l | Settleable | Actual | | | | | 160.5 | |
| 00556H | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00671A | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00681 | Carbon, organic | mg/l | Dissolved | Actual | | | | | 5310-D | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00915 | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| 01032A | Chromium, hexavalent | ug/l | Total | Actual | | | | | 218.6 | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01077H | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01145H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01147H | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | DEPMBAS | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 719001 | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 033 | Brandywine Creek Monitoring | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00308 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/l | Total | Actual | | | | | 410.4 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00545 | Solids, Total | mg/l | Settleable | Actual | | | | | 160.5 | |
| 00556H | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00671A | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00681 | Carbon, organic | mg/l | Dissolved | Actual | | | | | 5310-D | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00915 | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| 01032A | Chromium, hexavalent | ug/l | Total | Actual | | | | | 218.6 | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01077H | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01145H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01147H | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | DEPMBAS | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 034 | White Clay Creek Monitoring | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00308 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | ug/l | Total | Actual | | | | | 410.4 | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |
| 00545 | Solids, Total | mg/l | Settleable | Actual | | | | | 160.5 | |
| 00556H | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00671A | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00681 | Carbon, organic | mg/l | Dissolved | Actual | | | | | 5310-D | |
| 00720D | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00915 | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| 01000H | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| 01032A | Chromium, hexavalent | ug/l | Total | Actual | | | | | 218.6 | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034H | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01075H | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01077H | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01145H | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01147H | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 38260 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | DEPMBAS | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 71890I | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| 71900I | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 037 | TSI Prelim Assessments | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00600 | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 038 | Nutrients | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |
| 00600 | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 050 | Industrial Waste (non-routine) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01090A | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 71890I | Mercury | mg/l | Dissolved | Actual | | | | | 245.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 056 | Blank | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00929A | Sodium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00937E | Potassium | ug/l | Total | Actual | | | | | EQL-05 92-086 | |
| 00940A | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 00956A | Silica | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007A | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027A | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | PAFECAL | |
| 71900X | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 059 | Annual Fish Tissue | Sample | Other | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 709 | Lipids (unspecified mix) | % | | Actual | | | | | LIPIDS | |
| 71930 | Mercury | ug/g | Total | Actual | | | | | 245.1 | |
| 71936 | Lead | ug/g | Total | Actual | | | | | 200.8(W) | |
| 71937 | Copper | ug/g | Total | Actual | | | | | 200.8(W) | |
| 71939 | Chromium | ug/g | Total | Actual | | | | | 200.7(W) | |
| 71940 | Cadmium | ug/g | Total | Actual | | | | | 200.8(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 070 | Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00436 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 01025A | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01025H | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01027A | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01030A | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01034A | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01040A | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056A | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01065A | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01065H | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090A | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01106A | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730A | Phenol | ug/l | Total | Actual | | | | | 420.4 | |
| 32730D | Phenol | ug/l | Total | Actual | | | | | 420.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 094 | other | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00530 | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | I3765 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 100 | Additional Lake Parameters | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00900 | Hardness, carbonate | ug/l | Total | Actual | | | | | 2340 | |
| 00915A | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00925A | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01002H | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01007H | Barium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01027H | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01040H | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049H | Lead | ug/l | Suspended | Actual | | | | | 200.8(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01090H | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32730D | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 684 | SRBC | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00095 | Specific conductance | umho/cm | Total | Actual | | | | | 2510 | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00314 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00403 | pH | None | | Actual | | | | | 4500-H | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00500 | Solids, Total | mg/l | Total | Actual | | | | | I3750 | |
| 00515 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | SM209C | |
| 00530 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | I3765 | |
| 00600A | Nitrogen, organic | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| 00602A | Nitrogen, organic | mg/l | Dissolved | Actual | | | | | 4500-NOR(B) | |
| 00608A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | 350.1 | |
| 00610A | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| 00613A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| 00615A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| 00618A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| 00620A | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| 00665A | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| 00666A | Phosphorus | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00671A | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-D | |
| 00900 | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00900A | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| 00916A | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00927A | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00940A | Chloride | mg/l | Dissolved | Actual | | | | | 325.2 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| 00945A | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 01042A | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01042H | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01045A | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046A | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01051H | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01055A | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01055H | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01056H | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 01067A | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01067H | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01092A | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01092H | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01105A | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01105H | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| 01106H | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 70507A | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 70508 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| B002 | Fecal Coliform | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | PAFECAL | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| B004 | Coliform Filter | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | PAFECAL | |
| 31673 | Streptococcus | #/100ml | Total | Actual | | | | | FSTREP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| B005 | FecalColiform | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | PAFECAL | |
| 31673 | Streptococcus | #/100ml | Total | Actual | | | | | FSTREP | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| B015 | ENTMF | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENTMF | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| B019 | Chlorophyll A | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 32230 | Chlorophyll a (probe) | mg/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLD | Field Activities | Field Msr/Obs | Water | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00065 | Stream stage height | ft | | Actual | | | | | | |
| F00010 | Temperature, water | deg C | | Actual | | | | | | |
| F00061 | Flow | cfs | | Actual | | | | | FLOW | |
| F00065 | Stream stage height | ft | | Actual | | | | | | |
| F00065B | Stream stage height | ft | | Actual | | | | | | |
| F00078 | Depth, Secchi Disk Depth | ft | | Actual | | | | | | |
| F00094 | Specific conductance | umho/cm | Total | Actual | | | | | | |
| F00300 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| F00405 | pH | None | Total | Actual | | | | | I1586 | |
| F50060 | Chlorine | mg/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PCB | Fish Tissue PCB | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 595 | Pcb-aroclor 1221 | mg/kg | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 596 | Pcb-aroclor 1232 | mg/kg | Total | Actual | | | | | 608 | |
| 597 | Pcb-aroclor 1242 | mg/kg | Total | Actual | | | | | 608 | |
| 598 | Pcb-aroclor 1248 | mg/kg | Total | Actual | | | | | 608 | |
| 599 | Pcb-aroclor 1254 | mg/kg | Total | Actual | | | | | 608 | |
| 600 | Pcb-aroclor 1260 | mg/kg | Total | Actual | | | | | 608 | |
| 709 | Lipids (unspecified mix) | % | Total | Actual | | | | | LIPIDS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| PESTF | Fish Tissue Pesticides | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 111 | Methoxychlor | pCi/L | Total | Actual | | | | | | |
| 298 | Heptachlor | pCi/L | Total | Actual | | | | | 8081(W) | |
| 543 | Aldrin | pCi/L | Total | Actual | | | | | 8081(W) | |
| 546 | Chlordane, cis | pCi/L | Total | Actual | | | | | 8081(W) | |
| 547 | Chlordane, gamma | pCi/L | Total | Actual | | | | | 8081(W) | |
| 549 | Endrin | pCi/L | Total | Actual | | | | | 8081(W) | |
| 551 | Heptachlor epoxide | pCi/L | Total | Actual | | | | | 8081(W) | |
| 554 | BHC-alpha | pCi/L | Total | Actual | | | | | 8081(W) | |
| 555 | Nonachlor, trans- | pCi/L | Total | Actual | | | | | 8081(W) | |
| 561 | BHC-alpha | pCi/L | Total | Actual | | | | | 8081(W) | |
| 564 | BHC-gamma (Lindane) | pCi/L | Total | Actual | | | | | 8081(W) | |
| 571 | DDD ***retired*** (use DDD, p,p') | pCi/L | Total | Actual | | | | | 8081(W) | |
| 572 | DDE ***retired*** (use DDE, p,p'-) | pCi/L | Total | Actual | | | | | 8081(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 573 | DDT ***retired*** (use DDT, p,p'-) | pCi/L | Total | Actual | | | | | 8081(W) | |
| 574 | Dieldrin | pCi/L | Total | Actual | | | | | 8081(W) | |
| 587 | Chlordene | pCi/L | Total | Actual | | | | | 8081(W) | |
| 588 | DDD, o,p'- | pCi/L | Total | Actual | | | | | 8081(W) | |
| 589 | DDE, o,p'- | pCi/L | Total | Actual | | | | | 8081(W) | |
| 590 | DDT,o,p'- | pCi/L | Total | Actual | | | | | 8081(W) | |
| 591 | Kepone | pCi/L | Total | Actual | | | | | 8081(W) | |
| 592 | Mirex | pCi/L | Total | Actual | | | | | 8081(W) | |
| 593 | Nonachlor, cis- | pCi/L | Total | Actual | | | | | 8081(W) | |
| 594 | Oxychlordane | pCi/L | Total | Actual | | | | | 8081(W) | |
| 65 | DDE ***retired*** (use DDE, p,p'-) | pCi/L | Total | Actual | | | | | 8081(W) | |
| 677 | Chlordene, alpha | pCi/L | Total | Actual | | | | | 8081(W) | |
| 678 | Chlordene, gamma | pCi/L | Total | Actual | | | | | | |
| 709 | Lipids (unspecified mix) | % | Total | Actual | | | | | LIPIDS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| RAD97 | Alpha, Beta, H3 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| GALPHA | BHC-alpha | pCi/L | Total | Actual | | | | | 00-01 | |
| GBETA | BHC-beta | pCi/L | Total | Actual | | | | | 00-01 | |
| H3 | Tritium | pCi/L | Total | Actual | | | | | 0010(W) | |

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Pennsylvania Department of Environmental Protection

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| VOA-1 | Volatile Organic Compounds | Sample | Water | | | | N |

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21RIBCH

Rhode Island Department of Health

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| SAMPLE | Beach Sampling | Sample | Water | | | | N |

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21SC60WQ

SC Dept. of Health & Environmental Control

| | | | | | | | |
|-----------------|--------------------------|---|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31615 | Fecals - MPN (EC Medium) | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| | Description | Method 9221-E-1. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31615 | Fecal Coliform | #/100ml | Total | Actual | MPN | | | | 9221-E | |

| | | | | | | | |
|-----------------|--------------------------|---|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31616 | Fecals - Membrane Filter | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| | Description | Method 9222-D. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |

| | | | | | | | |
|-----------------|-------------------------|---|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 31621 | Fecals - A-1 Medium MPN | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| | Description | Method 9221-E-2. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31621 | Fecal Coliform | #/100ml | Total | Estimated | MPN | | | | 9221-E | |

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| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 50589 | Enterococcus by Enterolert | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|-----------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 50589 | Enterococcus Group Bacteria | #/100ml | Total | Actual | MPN | | | | | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BNA-S | Base-Neutral/Acid Ext in Sed. | Sample | Sediment | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------------|-------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 34203 | Acenaphthylene | ug/kg | Total | Actual | | | | | 625-S | |
| 34208 | Acenaphthene | ug/kg | Total | Actual | | | | | 625-S | |
| 34223 | Anthracene | ug/kg | Total | Actual | | | | | 625-S | |
| 34233 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | 625-S | |
| 34245 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | 625-S | |
| 34250 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | 625-S | |
| 34276 | bis(2-chloroethyl) ether | ug/kg | Total | Actual | | | | | 625-S | |
| 34281 | bis(2-chloroethoxy) methane | ug/kg | Total | Actual | | | | | 625-S | |
| 34286 | Dichlorodiisopropyl ether, 2,2'- | ug/kg | Total | Actual | | | | | 625-S | |
| 34323 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | 625-S | |
| 34339 | Diethyl phthalate | ug/kg | Total | Actual | | | | | 625-S | |
| 34344 | Dimethyl phthalate | ug/kg | Total | Actual | | | | | 625-S | |
| 34379 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | | | | 625-S | |
| 34384 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | | | | 625-S | |
| 34389 | Hexachlorocyclopentadiene | ug/kg | Total | Actual | | | | | 625-S | |
| 34399 | Hexachloroethane | ug/kg | Total | Actual | | | | | 625-S | |
| 34406 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | | | | 625-S | |
| 34411 | Isophorone | ug/kg | Total | Actual | | | | | 625-S | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34431 | n-Nitrosodipropylamine | ug/kg | Total | Actual | | | | | 625-S | |
| 34436 | n-Nitrosodiphenylamine | ug/kg | Total | Actual | | | | | 625-S | |
| 34441 | Nitrosodimethylamine, n- | ug/kg | Total | Actual | | | | | 625-S | |
| 34445 | Naphthalene | ug/kg | Total | Actual | | | | | 625-S | |
| 34450 | nitro-Benzene | ug/kg | Total | Actual | | | | | 625-S | |
| 34455 | 4-Chloro-3-methylphenol | ug/kg | Total | Actual | | | | | 625-S | |
| 34464 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | | | | 625-S | |
| 34472 | Pyrene | ug/kg | Total | Actual | | | | | 625-S | |
| 34524 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | | | | 625-S | |
| 34529 | Benzo[a]anthracene | ug/kg | Total | Actual | | | | | 625-S | |
| 34539 | 1,2-Dichlorobenzene | ug/kg | Total | Actual | | | | | 625-S | |
| 34554 | 1,2,4-Trichlorobenzene | ug/kg | Total | Actual | | | | | 625-S | |
| 34559 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | | | | 625-S | |
| 34569 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | | | | 625-S | |
| 34574 | 1,4-Dichlorobenzene | ug/kg | Total | Actual | | | | | 625-S | |
| 34584 | Chloronaphthalene-2 | ug/kg | Total | Actual | | | | | 625-S | |
| 34589 | Chlorophenol-2 | ug/kg | Total | Actual | | | | | 625-S | |
| 34594 | Nitrophenol, 2- | ug/kg | Total | Actual | | | | | 625-S | |
| 34599 | bis(n-octyl) Phthalate | ug/kg | Total | Actual | | | | | 625-S | |
| 34604 | 2,4-Dichlorophenol | ug/kg | Total | Actual | | | | | 625-S | |
| 34609 | 2,4-Dimethylphenol | ug/kg | Total | Actual | | | | | 625-S | |
| 34614 | 2,4-Dinitrotoluene | ug/kg | Total | Actual | | | | | 625-S | |
| 34624 | 2,4,6-Trichlorophenol (TCP) | ug/kg | Total | Actual | | | | | 625-S | |
| 34629 | 2,6-Dinitrotoluene | ug/kg | Total | Actual | | | | | 625-S | |
| 34634 | Dichlorobenzidine, 3,3'- | ug/kg | Total | Actual | | | | | 625-S | |
| 34639 | Bromophenyl-4 phenyl ether | ug/kg | Total | Actual | | | | | 625-S | |
| 34644 | Chlorophenyl-4 phenyl ether | ug/kg | Total | Actual | | | | | 625-S | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34649 | p-Nitrophenol | ug/kg | Total | Actual | | | | | 625-S | |
| 34660 | Dinitro-o-cresol | ug/kg | Total | Actual | | | | | 625-S | |
| 34695 | Phenol | ug/kg | Total | Actual | | | | | 625-S | |
| 39102 | bis(2-ethylhexyl) phthalate (DEHP) | ug/kg | Total | Actual | | | | | 625-S | |
| 39112 | Dibutyl phthalate | ug/kg | Total | Actual | | | | | 625-S | |
| 39701 | Hexachlorobenzene | ug/kg | Total | Actual | | | | | 625-S | |
| 39705 | Hexachlorobutadiene | ug/kg | Total | Actual | | | | | 625-S | |
| 49443 | Azobenzene | ug/kg | Total | Actual | | | | | 625-S | |
| 75212 | Benzyl alcohol | ug/kg | Total | Actual | | | | | 625-S | |
| 75315 | Benzoic acid | ug/kg | Total | Actual | | | | | 625-S | |
| 75647 | Dibenzofuran | ug/kg | Total | Actual | | | | | 625-S | |
| 78299 | Nitroaniline, 2- | ug/kg | Total | Actual | | | | | 625-S | |
| 78401 | Trichlorophenol, 2,4,5- | ug/kg | Total | Actual | | | | | 625-S | |
| 78800 | Butyl benzyl phthalate | ug/kg | Total | Actual | | | | | 625-S | |
| 78803 | Cresol, p- | ug/kg | Total | Actual | | | | | 625-S | |
| 78866 | Aniline | ug/kg | Total | Actual | | | | | 625-S | |
| 78867 | Chloroaniline, 4- | ug/kg | Total | Actual | | | | | 625-S | |
| 78868 | Methylnaphthalene, 2- | ug/kg | Total | Actual | | | | | 625-S | |
| 78869 | m-Nitroaniline | ug/kg | Total | Actual | | | | | 625-S | |
| 78870 | p-Nitroaniline | ug/kg | Total | Actual | | | | | 625-S | |
| 78872 | Cresol, o- | ug/kg | Total | Actual | | | | | 625-S | |
| 78873 | Pentachlorophenol (PCP) | ug/kg | Total | Actual | | | | | 625-S | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BNA-W | Base-Neutral/Acid Ext in Water | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34200 | Acenaphthylene | ug/l | Total | Actual | | | | | | |
| 34205 | Acenaphthene | ug/l | Total | Actual | | | | | | |
| 34220 | Anthracene | ug/l | Total | Actual | | | | | | |
| 34230 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | | |
| 34242 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | | |
| 34247 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | | |
| 34273 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | | |
| 34278 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | | |
| 34283 | Dichlorodiisopropyl ether, 2,2'- | ug/l | Total | Actual | | | | | | |
| 34292 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | | |
| 34320 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | | |
| 34336 | Diethyl phthalate | ug/l | Total | Actual | | | | | | |
| 34341 | Dimethyl phthalate | ug/l | Total | Actual | | | | | | |
| 34376 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | | |
| 34381 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | | |
| 34386 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | | |
| 34391 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | | |
| 34396 | Hexachloroethane | ug/l | Total | Actual | | | | | | |
| 34403 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 624 | |
| 34408 | Isophorone | ug/l | Total | Actual | | | | | | |
| 34428 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | | |
| 34433 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | | |
| 34438 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | | |
| 34447 | nitro-Benzene | ug/l | Total | Actual | | | | | | |
| 34452 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | | |
| 34461 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | | |
| 34469 | Pyrene | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34521 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | | |
| 34526 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | | |
| 34536 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34556 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | | |
| 34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34581 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | | |
| 34586 | Chlorophenol-2 | ug/l | Total | Actual | | | | | | |
| 34591 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | | |
| 34596 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | | |
| 34601 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | | |
| 34606 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | | |
| 34611 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | | |
| 34621 | 2,4,6-Trichlorophenol (TCP) | ug/l | Total | Actual | | | | | | |
| 34626 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | | |
| 34631 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | | |
| 34636 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | | |
| 34641 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | | |
| 34646 | p-Nitrophenol | ug/l | Total | Actual | | | | | | |
| 34657 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | | |
| 34694 | Phenol | ug/l | Total | Actual | | | | | | |
| 34696 | Naphthalene | ug/l | Total | Actual | | | | | | |
| 39032 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | | |
| 39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | | |
| 39110 | Dibutyl phthalate | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39700 | Hexachlorobenzene | ug/l | Total | Actual | | | | | | |
| 73529 | Chloroaniline, 4- | ug/l | Total | Actual | | | | | | |
| 73605 | p-Nitroaniline | ug/l | Total | Actual | | | | | | |
| 77089 | Aniline | ug/l | Total | Actual | | | | | | |
| 77146 | Cresol, p- | ug/l | Total | Actual | | | | | | |
| 77147 | Benzyl alcohol | ug/l | Total | Actual | | | | | | |
| 77152 | Cresol, o- | ug/l | Total | Actual | | | | | | |
| 77247 | Benzoic acid | ug/l | Total | Actual | | | | | | |
| 77416 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | | |
| 77625 | Azobenzene | ug/l | Total | Actual | | | | | | |
| 77687 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | | |
| 78142 | Nitroaniline, 2- | ug/l | Total | Actual | | | | | | |
| 78300 | m-Nitroaniline | ug/l | Total | Actual | | | | | | |
| 81302 | Dibenzofuran | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHL-A | Chlorophyll a Welschmeyer | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32209 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | Mean | | | | 445 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| DISTLAB | District lab generated results | Sample | Water | | | | N |

Citations South Carolina DHEC Environmental Control Office - Bureau of Water, 1997, Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Environmental Quality Control, South Carolina Department of Health and Environmental Control, Entire Document

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | | Actual | | | | | 2120-B | |
| 00080 | Color, True | PCU | | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| 00530 | Solids, Fixed | mg/l | Suspended | Actual | | | | | 2540-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD | Field | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 38.00000 deg C | | | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | | |
| 00041 | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| 00300 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 00400 | pH | None | | Actual | | | | | FIELD PARMS | |
| | Acceptable Range | 2.00000 - 12.00000 None | | | | | | | | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | |
| 82048 | Depth | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|----------|--------|-----------|--------------|---------|
| HERB-S | Herbicides in Sediment | Sample | Sediment | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39731 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |
| 39741 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | | |
| 39761 | Silvex | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| HERB-W | Herbicides in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39730 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |
| 39740 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |
| 39760 | Silvex | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|--------|-----------|--------------|---------|
| MERC-F | Mercury in Fish | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 71930 | Mercury | mg/kg | Total | Actual | | | | | 3112-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|------------|--------|-----------|--------------|---------|
| METALS-F | Metals in Fish | Sample | Biological | Tissue | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01069 | Nickel | mg/kg | Total | Actual | | | | | 3120 | |
| 71936 | Lead | mg/kg | Total | Actual | | | | | 3120 | |
| 71937 | Copper | mg/kg | Total | Actual | | | | | 3120 | |
| 71938 | Zinc | mg/kg | Total | Actual | | | | | | |
| 71939 | Chromium | mg/kg | Total | Actual | | | | | 3120 | |
| 71940 | Cadmium | mg/kg | Total | Actual | | | | | 3120 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|----------|--------|-----------|--------------|---------|
| METALS-S | Metals in Sed | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01028 | Cadmium | mg/kg | Total | Actual | | | | | 3120 | |
| 01029 | Chromium | mg/kg | Total | Actual | | | | | 3120 | |
| 01043 | Copper | mg/kg | Total | Actual | | | | | 3120 | |
| 01052 | Lead | mg/kg | Total | Actual | | | | | 3120 | |
| 01068 | Nickel | mg/kg | Total | Actual | | | | | 3120 | |
| 01093 | Zinc | mg/kg | Total | Actual | | | | | | |
| 71921 | Mercury | mg/kg | Total | Actual | | | | | 3112-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| METALS-W | Metals in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00900 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 2340 | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 3120 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01034 | Chromium | ug/l | Total | Actual | | | | | 3120 | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 3120 | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 3120 | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 3120 | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 3120 | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 3120 | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 3120 | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1_M | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|----------|--------|-----------|--------------|---------|
| NUTS-S | Nutrients in Sed | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00627 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | |
| 00668 | Phosphorus as P | mg/kg | Total | Actual | | | | | | |
| 70320 | Moisture content | % by wt | Total | Actual | | | | | C-011-1 | D3976 |
| 70322 | Solids, Total Suspended (TSS) | mg/g | Volatile | Actual | | | | | 160.2 | D3976 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| NUTS-W | Nutrients in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.2(B) | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| P&PCB-S | Pesticide/PCBs in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34257 | BHC-beta | ug/kg | Total | Actual | | | | | 608 | |
| 34262 | BHC-delta | ug/kg | Total | Actual | | | | | 608 | |
| 34354 | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | 608 | |
| 34359 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | 608 | |
| 34364 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | 608 | |
| 34369 | Endrin Aldehyde | ug/kg | Total | Actual | | | | | 608 | |
| 39076 | BHC-alpha | ug/kg | Total | Actual | | | | | 608 | |
| 39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | 608 | |
| 39311 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | 608 | |
| 39321 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | 608 | |
| 39333 | Aldrin | ug/kg | Total | Actual | | | | | 608 | |
| 39351 | Chlordane | ug/kg | Total | Actual | | | | | 608 | |
| 39383 | Dieldrin | ug/kg | Total | Actual | | | | | 608 | |
| 39393 | Hexachlorobutadiene | ug/kg | Total | Actual | | | | | 608 | |
| 39403 | Toxaphene | ug/kg | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39413 | Heptachlor | ug/kg | Total | Actual | | | | | 608 | |
| 39423 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | 608 | |
| 39491 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | 608 | |
| 39495 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | 608 | |
| 39499 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | 608 | |
| 39503 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | 608 | |
| 39507 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | 608 | |
| 39511 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | 608 | |
| 39514 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | 608 | |
| 39783 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| P&PCB-W | Pesticide/PCBs in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34259 | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| 34351 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| 34356 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| 34361 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| 34366 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 608 | |
| 34671 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| 39300 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| 39310 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 608 | |
| 39320 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39330 | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| 39337 | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| 39338 | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| 39350 | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| 39380 | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| 39390 | Endrin | ug/l | Total | Actual | | | | | 608 | |
| 39400 | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| 39410 | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| 39420 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| 39488 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| 39492 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| 39496 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| 39500 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| 39504 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| 39508 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| 39782 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|--------|-----------|--------------|---------|
| P&PCBS-F | Pest/PCBs in Fish | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34355 | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | | |
| 34360 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | | |
| 34365 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | | |
| 34370 | Endrin Aldehyde | ug/kg | Total | Actual | | | | | | |
| 34664 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34667 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | | |
| 34669 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | | |
| 34670 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | | |
| 34674 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | | |
| 34689 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | | |
| 34690 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | | |
| 39074 | BHC-alpha | ug/kg | Total | Actual | | | | | | |
| 39302 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | | |
| 39312 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | | |
| 39322 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | | |
| 39334 | Aldrin | ug/kg | Total | Actual | | | | | | |
| 39349 | Chlordane | ug/kg | Total | Actual | | | | | | |
| 39387 | Dieldrin | ug/kg | Total | Actual | | | | | | |
| 39397 | Endrin | ug/kg | Total | Actual | | | | | | |
| 39407 | Toxaphene | ug/kg | Total | Actual | | | | | | |
| 39414 | Heptachlor | ug/kg | Total | Actual | | | | | | |
| 39424 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | | |
| 39784 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | | |
| 81820 | BHC-beta | ug/kg | Total | Actual | | | | | | |
| 81821 | BHC-delta | ug/kg | Total | Actual | | | | | | |

| Group ID PROFILE | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------|--|--------|--------|-----------|--------------|---------|
| | Profile Data Entry | Field Msr/Obs | Water | | | | N |
| | Citations | South Carolina DHEC Environmental Control Office - Bureau of Water, 1997, Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, Environmental Quality Control, South Carolina Department of Health and Environmental Control, Entire Document | | | | | |

Characteristic Group Details

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21SC60WQ

SC Dept. of Health & Environmental Control

Description Lake and estuarine profile data series

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00078 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 00300 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 00400 | pH | None | Total | Actual | | | | | | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|--|--------|--------|-----------|--------------|---------|
| SFW00041 | Weather | Field Msr/Obs | Air | | | | N |
| Citations | | United State Food and Drug Administration, 1999, National Shellfish Sanitation Program - Model Ordinance, USFDA National Shellfish Sanitation Program, IV. Growing Areas | | | | | |
| Description | | Weather condition at the time a samples is taken. (i.e. 00=Clear, 01=Fair, 02=Cloudy, 22=Rainy) | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00036 | Wind velocity | | | Actual | | | | | | |
| 00041 | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| SHFFIELD | Shellfish field | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00041 | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|----------|--------|-----------|--------------|---------|
| VOA-S | Vol Org in Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34237 | Benzene | ug/kg | Total | Actual | | | | | | |
| 34290 | Bromoform | ug/kg | Total | Actual | | | | | | |
| 34299 | Carbon tetrachloride | ug/kg | Total | Actual | | | | | | |
| 34304 | Chlorobenzene | ug/kg | Total | Actual | | | | | | |
| 34314 | Chloroethane | ug/kg | Total | Actual | | | | | | |
| 34318 | Chloroform | ug/kg | Total | Actual | | | | | | |
| 34330 | Dichlorobromomethane | ug/kg | Total | Actual | | | | | | |
| 34374 | Ethylbenzene | ug/kg | Total | Actual | | | | | | |
| 34416 | Methyl bromide | ug/kg | Total | Actual | | | | | | |
| 34426 | Dichloromethane | ug/kg | Total | Actual | | | | | 624 | |
| 34478 | Tetrachloroethylene | ug/kg | Total | Actual | | | | | | |
| 34483 | Toluene | ug/kg | Total | Actual | | | | | | |
| 34487 | Trichloroethylene | ug/kg | Total | Actual | | | | | | |
| 34491 | Trichlorofluoromethane | ug/kg | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34495 | Vinyl chloride | ug/kg | Total | Actual | | | | | 624 | |
| 34499 | Dichloroethane, 1,1- | ug/kg | Total | Actual | | | | | 624 | |
| 34504 | 1,1-Dichloroethylene | ug/kg | Total | Actual | | | | | 624 | |
| 34509 | Trichloroethane, 1,1,1- | ug/kg | Total | Actual | | | | | 624 | |
| 34514 | Trichloroethane, 1,1,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34519 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | | | | | |
| 34534 | Dichloroethane, 1,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34539 | 1,2-Dichlorobenzene | ug/kg | Total | Actual | | | | | | |
| 34544 | Dichloropropane, 1,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34549 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34569 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | | | | | |
| 34574 | 1,4-Dichlorobenzene | ug/kg | Total | Actual | | | | | 624-S | |
| 34579 | 2-Chloroethyl vinyl ether | ug/kg | Total | Actual | | | | | 624 | |
| 34697 | trans-1,3-Dichloropropene | ug/kg | Total | Actual | | | | | 624 | |
| 34702 | cis-1,3-Dichloropropene | ug/kg | Total | Actual | | | | | | |
| 73304 | Methyl chloride | ug/kg | Total | Actual | | | | | | |
| 78195 | Chlorodibromomethane | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| VOA-W | Vol Org in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32101 | Dichlorobromomethane | ug/l | Total | Actual | | | | | | |
| 32102 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 624 | |
| 32104 | Bromoform | ug/l | Total | Actual | | | | | | |
| 32105 | Chlorodibromomethane | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32106 | Chloroform | ug/l | Total | Actual | | | | | | |
| 34010 | Toluene | ug/l | Total | Actual | | | | | | |
| 34030 | Benzene | ug/l | Total | Actual | | | | | | |
| 34311 | Chloroethane | ug/l | Total | Actual | | | | | | |
| 34371 | Ethylbenzene | ug/l | Total | Actual | | | | | | |
| 34413 | Methyl bromide | ug/m2 | Total | Actual | | | | | | |
| 34418 | Methyl chloride | ug/l | Total | Actual | | | | | | |
| 34423 | Dichloromethane | ug/l | Total | Actual | | | | | | |
| 34475 | Tetrachloroethylene | ug/l | Total | Actual | | | | | | |
| 34488 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | | |
| 34496 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | | |
| 34501 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | | |
| 34506 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | | |
| 34511 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | | |
| 34516 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 624 | |
| 34531 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | | |
| 34536 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34541 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | | |
| 34546 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | | |
| 34566 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 34576 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | | |
| 34699 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | | |
| 34704 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | | |
| 39175 | Vinyl chloride | ug/l | Total | Actual | | | | | | |
| 39180 | Trichloroethylene | ug/l | Total | Actual | | | | | | |
| 43301 | Chlorobenzene | ug/l | Total | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BCH DATA | BEACH MONITORING DATA | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Normal | | Calculated | | | | | | |
| | Acceptable Range | 0.00000 - 360.00000 | Normal | | | | | | | |
| 00041 | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| 00045 | Precipitation | in | | Actual | | | 24 Hours | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | 200.2 |
| 50589 | Enterococcus Group Bacteria | #/100ml | Total | Actual | MPN | | | | | 200.2 |
| | Acceptable Range | 10.00000 - 24,192.00000 | #/100ml | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|----------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BNA-S | BNA in sediments | Sample | Sediment | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 34233 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | | | | 625 | |
| 34245 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | | | | 625 | |
| 34250 | Benzo[a]pyrene | ug/kg | Total | Actual | | | | | | |
| 34276 | bis(2-chloroethyl) ether | ug/kg | Total | Actual | | | | | | |
| 34278 | bis(2-chloroethoxy) methane | ug/kg | Total | Actual | | | | | 625 | |
| 34323 | Chrysenes C1-C4 | ug/kg | Total | Actual | | | | | 625 | |
| 34431 | n-Nitrosodipropylamine | ug/kg | Total | Actual | | | | | 625 | |
| 34436 | n-Nitrosodiphenylamine | ug/kg | Total | Actual | | | | | | |
| 34441 | Nitrosodimethylamine, n- | ug/kg | Total | Actual | | | | | 625 | |
| 34589 | Chlorophenol-2 | ug/kg | Total | Actual | | | | | | |
| 34594 | Nitrophenol, 2- | ug/kg | Total | Actual | | | | | 625 | |
| 34695 | Phenol | ug/kg | Total | Actual | | | | | 625 | |
| 78866 | Aniline | ug/kg | Total | Actual | | | | | | |
| | Dichlorodiisopropyl ether, 2,2'- | | | | | | | | | |
| | Diethyl phthalate | | | | | | | | | |
| | Dimethyl phthalate | | | | | | | | | |
| | Fluoranthenes, C1-C4 | | | | | | | | | |
| | Fluorenes, C1-C3 | | | | | | | | | |
| | Hexachlorocyclopentadiene | | | | | | | | | |
| | Hexachloroethane | | | | | | | | | |
| | Acenaphthylene | | | | | | | | | |
| | Acenaphthene | | | | | | | | | |
| | Anthracene | | | | | | | | | |
| | Pentachlorophenol (PCP) | | | | | | | | | |
| | Bromophenyl-4 phenyl ether | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chlorophenyl-4 phenyl ether | | | | | | | | | |
| | p-Nitrophenol | | | | | | | | | |
| | Dinitro-o-cresol | | | | | | | | | |
| | Indeno[1,2,3-cd]pyrene | | | | | | | | | |
| | Isophorone | | | | | | | | | |
| | Naphthalene | | | | | | | | | |
| | nitro-Benzene | | | | | | | | | |
| | 4-Chloro-3-methylphenol | | | | | | | | | |
| | Phenanthrenes, C1-C4 | | | | | | | | | |
| | Pyrene | | | | | | | | | |
| | Benzo[g,h,i]perylene | | | | | | | | | |
| | Benzo[a]anthracene | | | | | | | | | |
| | 1,2-Dichlorobenzene | | | | | | | | | |
| | 1,2,4-Trichlorobenzene | | | | | | | | | |
| | Dibenzo[a,h]anthracene | | | | | | | | | |
| | 1,3-Dichlorobenzene | | | | | | | | | |
| | 1,4-Dichlorobenzene | | | | | | | | | |
| | Chloronaphthalene-2 | | | | | | | | | |
| | bis(n-octyl) Phthalate | | | | | | | | | |
| | 2,4-Dichlorophenol | | | | | | | | | |
| | 2,4-Dimethylphenol | | | | | | | | | |
| | 2,4-Dinitrotoluene | | | | | | | | | |
| | 2,4,6-Trichlorophenol (TcPh) | | | | | | | | | |
| | 2,6-Dinitrotoluene | | | | | | | | | |
| | Dichlorobenzidine, 3,3'- | | | | | | | | | |
| | bis(2-ethylhexyl) phthalate (DEHP) | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dibutyl phthalate | | | | | | | | | |
| | Hexachlorobenzene | | | | | | | | | |
| | Hexachlorobutadiene | | | | | | | | | |
| | Benzyl alcohol | | | | | | | | | |
| | Benzoic acid | | | | | | | | | |
| | Dibenzofuran | | | | | | | | | |
| | Azobenzene | | | | | | | | | |
| | Nitroaniline, 2- | | | | | | | | | |
| | Trichlorophenol, 2,4,5- | | | | | | | | | |
| | Butyl benzyl phthalate | | | | | | | | | |
| | Cresol, p- | | | | | | | | | |
| | Chloroaniline, 4- | | | | | | | | | |
| | Methylnaphthalene, 2- | | | | | | | | | |
| | m-Nitroaniline | | | | | | | | | |
| | p-Nitroaniline | | | | | | | | | |
| | Cresol, o- | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| BNA-W | BNA in water | Sample | Water | | | | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| DISTLAB | District Lab Results | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00076 | Turbidity | NTU | | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen | mg/l | Total | Actual | | | | | 5210-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | demand | | | | | | | | | |
| 00530 | Solids, Fixed | mg/l | Suspended | Actual | | | | | 160.2 | |
| 31616 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD-W | Field Samples | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | | |
| 00041 | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| 00300 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 00400 | pH | None | | Actual | | | | | | |
| | Acceptable Range | 2.00000 - 12.00000 None | | | | | | | | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|----------|--------|-----------|--------------|---------|
| HERB-S | Herbicides in sediments | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39731 | 2,4-D, Dichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | 6640-B | |
| 39741 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/kg | Total | Actual | | | | | 6640-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39761 | Silvex | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| HERB-W | Herbicides in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39730 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 6640-B | |
| 39740 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 6640-B | |
| 39760 | Silvex | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| METALS-S | Metals in sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01028 | Cadmium | mg/kg | Total | Actual | | | | | 200.7_M | |
| 01029 | Chromium | mg/kg | Total | Actual | | | | | 200.7_M | |
| 01043 | Copper | mg/kg | Total | Actual | | | | | 200.7_M | |
| 01052 | Lead | mg/kg | Total | Actual | | | | | 200.7_M | |
| 01068 | Nickel | mg/kg | Total | Actual | | | | | 200.7_M | |
| 01093 | Zinc | mg/kg | Total | Actual | | | | | 200.7_M | |
| 71921 | Mercury | mg/kg | Total | Actual | | | | | 245.1_M | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METALS-W | Metals in water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00900 | Hardness, Ca + Mg | ug/l | Total | Actual | | | | | | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | | |
| 01042 | Copper | ug/l | Total | Actual | | | | | | |
| 01045 | Iron | ug/l | Total | Actual | | | | | | |
| 01051 | Lead | ug/l | Total | Actual | | | | | | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1_M | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NUTS-S | Nutrients in sediment | Sample | Sediment | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00627 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | |
| 00668 | Phosphorus as P | mg/kg | Total | Actual | | | | | | |
| 70320 | Moisture content | % by wt | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| NUTS-W | Nutrients in water | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|----------|--------|-----------|--------------|---------|
| P&PCB-S | Pesticides & PCBs in sediments | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34257 | BHC-beta | ug/kg | Total | Actual | | | | | | |
| 34262 | BHC-delta | ug/kg | Total | Actual | | | | | | |
| 34354 | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | | |
| 34359 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | | |
| 34364 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | | |
| 34369 | Endrin Aldehyde | ug/kg | Total | Actual | | | | | | |
| 39076 | BHC-alpha | ug/kg | Total | Actual | | | | | 608 | |
| 39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | | |
| 39311 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | | |
| 39321 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | | |
| 39333 | Aldrin | ug/kg | Total | Actual | | | | | | |
| 39351 | Chlordane | ug/kg | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39383 | Dieldrin | ug/kg | Total | Actual | | | | | | |
| 39393 | Endrin | ug/kg | Total | Actual | | | | | | |
| 39403 | Toxaphene | ug/kg | Total | Actual | | | | | | |
| 39413 | Heptachlor | ug/kg | Total | Actual | | | | | | |
| 39423 | Heptachlor epoxide | ug/kg | Total | Actual | | | | | | |
| 39491 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | | | | 608 | |
| 39495 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | | | | 608 | |
| 39499 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | | | | 608 | |
| 39503 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | | | | 608 | |
| 39507 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | | | | 608 | |
| 39511 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | | | | 608 | |
| 39514 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | | | | 608 | |
| 39783 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| P&PCB-W | Pesticides & PCBs in water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34259 | BHC-delta | ug/l | Total | Actual | | | | | | |
| 34351 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | | |
| 34356 | Endosulfan, beta- | ug/l | Total | Actual | | | | | | |
| 34361 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | | |
| 34366 | Endrin Aldehyde | ug/l | Total | Actual | | | | | | |
| 34671 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| 39300 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 39310 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| 39320 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| 39330 | Aldrin | ug/l | Total | Actual | | | | | | |
| 39337 | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| 39338 | BHC-beta | ug/l | Total | Actual | | | | | | |
| 39350 | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| 39380 | Dieldrin | ug/l | Total | Actual | | | | | | |
| 39390 | Endrin | ug/l | Total | Actual | | | | | | |
| 39400 | Toxaphene | ug/l | Total | Actual | | | | | | |
| 39410 | Heptachlor | ug/l | Total | Actual | | | | | | |
| 39420 | Heptachlor epoxide | ug/l | Total | Actual | | | | | | |
| 39488 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| 39492 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| 39496 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| 39500 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| 39504 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| 39508 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| 39782 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| VOC-S | Volatile Orgs in sediments | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34237 | Benzene | ug/kg | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34290 | Bromoform | ug/kg | Total | Actual | | | | | | |
| 34299 | Carbon tetrachloride | ug/kg | Total | Actual | | | | | 624 | |
| 34304 | Chlorobenzene | ug/kg | Total | Actual | | | | | | |
| 34314 | Chloroethane | ug/kg | Total | Actual | | | | | | |
| 34318 | Chloroform | ug/kg | Total | Actual | | | | | | |
| 34330 | Chlorodibromomethane | ug/kg | Total | Actual | | | | | | |
| 34374 | Ethylbenzene | ug/kg | Total | Actual | | | | | | |
| 34416 | Methyl bromide | ug/kg | Total | Actual | | | | | | |
| 34421 | Dichloromethane | ug/kg | Total | Actual | | | | | 624 | |
| 34426 | Methyl chloride | ug/kg | Total | Actual | | | | | | |
| 34478 | Tetrachloroethylene | ug/kg | Total | Actual | | | | | | |
| 34483 | Toluene | ug/kg | Total | Actual | | | | | | |
| 34487 | Trichloroethylene | ug/kg | Total | Actual | | | | | | |
| 34491 | Trichlorofluoromethane | ug/kg | Total | Actual | | | | | | |
| 34495 | Vinyl chloride | ug/kg | Total | Actual | | | | | | |
| 34499 | Dichloroethane, 1,1- | ug/kg | Total | Actual | | | | | | |
| 34504 | 1,1-Dichloroethylene | ug/kg | Total | Actual | | | | | 624 | |
| 34509 | Trichloroethane, 1,1,1- | ug/kg | Total | Actual | | | | | 624 | |
| 34514 | Trichloroethane, 1,1,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34519 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34534 | Dichloroethane, 1,2- | ug/kg | Total | Actual | | | | | 624 | |
| 34539 | 1,2-Dichlorobenzene | ug/kg | Total | Actual | | | | | | |
| 34544 | Dichloropropane, 1,2- | ug/kg | Total | Actual | | | | | | |
| 34549 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | | | | | |
| 34569 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | | | | | |
| 34574 | 1,4-Dichlorobenzene | ug/kg | Total | Actual | | | | | 624 | |
| 34579 | 2-Chloroethyl vinyl ether | ug/kg | Total | Actual | | | | | 624 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34697 | trans-1,3-Dichloropropene | ug/kg | Total | Actual | | | | | | |
| 34702 | cis-1,3-Dichloropropene | ug/kg | Total | Actual | | | | | | |
| 78195 | Dichlorobromomethane | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| VOC-W | Volatile Orgs in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 32101 | Dichlorobromomethane | ug/l | Total | Actual | | | | | | |
| 32102 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 624 | |
| 32104 | Bromoform | ug/l | Total | Actual | | | | | | |
| 32105 | Chlorodibromomethane | ug/l | Total | Actual | | | | | | |
| 32106 | Chloroform | ug/l | Total | Actual | | | | | | |
| 34010 | Toluene | ug/l | Total | Actual | | | | | | |
| 34020 | Xylene, o- | ug/l | Total | Actual | | | | | | |
| 34030 | Benzene | ug/l | Total | Actual | | | | | | |
| 34301 | Chlorobenzene | ug/l | Total | Actual | | | | | | |
| 34311 | Chloroethane | ug/l | Total | Actual | | | | | | |
| 34371 | Ethylbenzene | ug/l | Total | Actual | | | | | | |
| 34413 | Methyl bromide | ug/l | Total | Actual | | | | | | |
| 34418 | Methyl chloride | ug/l | Total | Actual | | | | | | |
| 34475 | Tetrachloroethylene | ug/l | Total | Actual | | | | | | |
| 34496 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | | |
| 34501 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| 34506 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 624 | |
| 34511 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 624 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34516 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 624 | |
| 34531 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| 34541 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | | |
| 34546 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | | |
| 34699 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | | |
| 34704 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | | |
| 39175 | Vinyl chloride | ug/l | Total | Actual | | | | | | |
| 39180 | Trichloroethylene | ug/l | Total | Actual | | | | | | |
| | Acetone | | | | | | | | | |
| | Carbon disulfide | | | | | | | | | |
| | Dichloromethane | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---|--|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AGWS | Ambient Groundwater Samples | Sample | Water | | | | N | | | |
| Description Ambient Groundwater Lab Analysis for metals, cations, anions, temp, cond, and pH | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 00400 | pH | None | | Actual | | | | | D1293(B) | |
| | Acceptable Range | 1.00000 - 14.00000 | None | | | | | | | |
| 00402 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 2320 | |
| 00625 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| 00900 | Hardness, Ca + Mg | mg/l | | Actual | | | | | 2340 | |
| 00916 | Calcium | mg/l | Total | Actual | | | | | 3120 | |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | 200.7_M | |
| 00929 | Sodium | mg/l | Total | Actual | | | | | 200.7_M | |
| 00937 | Potassium | mg/l | Total | Actual | | | | | | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 | mg/l | | | | | | | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 3120 | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | 340.2_M | |
| 01002 | Arsenic | ug/l | Total | Actual | | | | | 200.9 | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.7_M | |
| 01012 | Beryllium | ug/l | Total | Actual | | | | | 200.7_M | |
| 01022 | Boron | ug/l | Total | Actual | | | | | 200.7_M | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.7_M | |
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.7_M | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.7_M | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7_M | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.7_M | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.7_M | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7_M | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.7_M | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.7_M | |
| 01082 | Strontium | ug/l | Total | Actual | | | | | | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.7_M | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.7_M | |
| 01102 | Tin | ug/l | Total | Actual | | | | | 200.7_M | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 3120 | |
| 01132 | Lithium | ug/l | Total | Actual | | | | | 200.7_M | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.9 | |
| 31 | Uranium | ug/l | | Actual | | | | | | |
| 36 | Silica | mg/l | | Actual | | | | | | |
| 5 | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 70300 | Solids, Fixed | mg/l | Dissolved | Actual | | | | | 160.2 | |
| 71900 | Mercury | ug/l | Total | Actual | | | | | 245.1_M | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLD LAKE | Field Parameters for Lakes | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1% DEPTH | Light attenuation, depth at 99% | m | | Actual | | | | | | |
| | Acceptable Range | 0.25000 - 10.00000 m | | | | | | | | |
| AIR TEMP | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | | |
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| | Acceptable Range | 0.00000 - 1,500.00000 umho/cm | | | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| FIELD PH | pH | None | | Actual | | | | | 4500-H | |
| | Acceptable Range | 4.00000 - 9.50000 None | | | | | | | | |
| PHOTO | Solar irradiation, local | uE/m2/sec | | Actual | | | | | | |
| | Acceptable Range | 10.00000 - 3,000.00000 uE/m2/sec | | | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | in | | Actual | | | | | | |
| | Acceptable Range | 6.00000 - 120.00000 in | | | | | | | | |
| WEATHER | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 35.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLD LK 2 | 2nd Station Activity ID in Run | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR TEMP | Temperature, air | deg C | | Actual | | | | | UNKNOWN | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 1.00000 - 40.00000 deg C | | | | | | | | |
| COND | Specific conductance | umho/cm | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 10.00000 - 1,500.00000 umho/cm | | | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 0.00000 - 14.00000 mg/l | | | | | | | | |
| FIELD PH | pH | None | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 4.00000 - 9.50000 None | | | | | | | | |
| WEATHER | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | UNKNOWN | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 1.00000 - 35.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLD LK 3 | 3rd Station Activity ID in Run | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|-----------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR TEMP | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | | |
| COND | Specific conductance | umho/cm | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 1.00000 - 1,500.00000 umho/cm | | | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| FIELD PH | pH | None | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 4.00000 - 9.50000 None | | | | | | | | |
| WATER TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 35.00000 deg C | | | | | | | | |
| WEATHER | Weather Condition (WMO Code | | | | | | | | UNKNOWN | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 4501) (Choice List) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLD LK 4 | 4th Station Activity ID In Run | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR TEMP | Temperature, air | deg C | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 0.00000 - 40.00000 | deg C | | | | | | | |
| COND | Specific conductance | umho/cm | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 1.00000 - 1,500.00000 | umho/cm | | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 0.00000 - 14.00000 | mg/l | | | | | | | |
| FIELD PH | pH | None | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 4.00000 - 9.50000 | None | | | | | | | |
| WATER TEMP | Temperature, water | deg C | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 1.00000 - 35.00000 | deg C | | | | | | | |
| WEATHER | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLD STRM | Field Parameters for Streams | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|---------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR TEMP | Temperature, air | deg C | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | -2.00000 - 40.00000 | deg C | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| | Acceptable Range | 0.00000 - 1,500.00000 umho/cm | | | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| FIELD PH | pH | None | | Actual | | | | | 4500-H | |
| | Acceptable Range | 4.00000 - 9.50000 None | | | | | | | | |
| FLOW | Flow | cfs | | Actual | Mean | | | | FLOW | |
| | Acceptable Range | 0.00000 - 20,000.00000 cfs | | | | | | | | |
| WEATHER | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | UNKNOWN | |
| | Acceptable Range | 1.00000 - 35.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| LAB | General Laboratory Analyses | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKAL | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 1.00000 - 250.00000 mg/l | | | | | | | | |
| AS | Arsenic | ug/l | Total | Actual | | | | | 3500-AS(B) | METAL |
| | Acceptable Range | 2.00000 - 5.00000 ug/l | | | | | | | | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Calculated | | | | | 5210-B | NUTRIENTS |
| | Acceptable Range | 1.00000 - 10.00000 mg/l | | | | | | | | |
| BR(IC) | Bromide | mg/l | Total | Actual | | | | | 4500-BR(C) | NUTRIENTS |
| | Acceptable Range | 0.02500 - 5.00000 mg/l | | | | | | | | |
| CA | Calcium | mg/l | Total | Actual | | | | | 3500-CA(B) | METAL |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 1.00000 - 50.00000 mg/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 3500-CD(B) | METAL |
| | Acceptable Range | 1.00000 - 50.00000 ug/l | | | | | | | | |
| CHPYL A | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | CHPYL A |
| | Acceptable Range | 0.50000 - 50.00000 ug/l | | | | | | | | |
| CL(IC) | Chloride | mg/l | Total | Actual | | | | | 4500-CL-(F) | NUTRIENTS |
| | Acceptable Range | 0.10000 - 6.00000 mg/l | | | | | | | | |
| COLIFORM | Fecal Coliform | #/100ml | Total | Calculated | | | | | 3.4 | BACTERIA |
| | Acceptable Range | 1.00000 - 1,000.00000 #/100ml | | | | | | | | |
| COLOR | Color, True | PCU | | Actual | | | | | 2120-B | |
| | Acceptable Range | 10.00000 - 250.00000 PCU | | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 3500-CR(B) | METAL |
| | Acceptable Range | 5.00000 - 50.00000 ug/l | | | | | | | | |
| CU | Copper | ug/l | Total | Actual | | | | | 3500-CU(B) | METAL |
| | Acceptable Range | 1.00000 - 100.00000 ug/l | | | | | | | | |
| FE | Iron | ug/l | Total | Actual | | | | | 3500-FE(B) | METAL |
| | Acceptable Range | 50.00000 - 2,000.00000 ug/l | | | | | | | | |
| FL(IC) | Fluorides | mg/l | Total | Actual | | | | | 4500-F-F | NUTRIENTS |
| | Acceptable Range | 0.02000 - 5.00000 mg/l | | | | | | | | |
| HDNS | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | | METAL |
| | Acceptable Range | 1.00000 - 100.00000 mg/l | | | | | | | | |
| HG | Mercury | ug/l | Total | Actual | | | | | 3500-HG(B) | METAL |
| | Acceptable Range | 0.05000 - 0.50000 ug/l | | | | | | | | |
| K | Potassium | mg/l | Total | Actual | | | | | 3500-K-B | METAL |
| | Acceptable Range | 1.00000 - 10.00000 mg/l | | | | | | | | |
| LAB PH | pH | None | Total | Actual | | | | | 4500-H | |
| | Acceptable Range | 4.00000 - 9.00000 None | | | | | | | | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 3500-MG(B) | METAL |
| | Acceptable Range | 1.00000 - 10.00000 mg/l | | | | | | | | |
| MN | Manganese | ug/l | Total | Actual | | | | | 3500-MN(B) | METAL |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 10.00000 - 100.00000 ug/l | | | | | | | | |
| NA | Sodium | mg/l | Total | Actual | | | | | 3500-NA(B) | METAL |
| | Acceptable Range | 1.00000 - 50.00000 mg/l | | | | | | | | |
| NH3(OI) | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(G) | NUTRIENTS |
| | Acceptable Range | 0.02000 - 0.90000 mg/l | | | | | | | | |
| NI | Nickel | ug/l | Total | Actual | | | | | 3500-NI(B) | METAL |
| | Acceptable Range | 1.00000 - 100.00000 ug/l | | | | | | | | |
| NO2(IC) | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 4500-NO2(C) | NUTRIENTS |
| | Acceptable Range | 0.05000 - 5.00000 mg/l | | | | | | | | |
| NO3(IC) | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 4500-NO3(C) | NUTRIENTS |
| | Acceptable Range | 0.05000 - 5.00000 mg/l | | | | | | | | |
| NO3/NO2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | NUTRIENTS |
| | Acceptable Range | 0.02000 - 2.00000 mg/l | | | | | | | | |
| OPO4 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 4500-P-F | NUTRIENTS |
| | Acceptable Range | 0.02000 - 1.00000 mg/l | | | | | | | | |
| OPO4(IC) | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | | NUTRIENTS |
| | Acceptable Range | 0.05000 - 2.00000 mg/l | | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 3500-PB(B) | METAL |
| | Acceptable Range | 1.00000 - 10.00000 ug/l | | | | | | | | |
| SE | Selenium | ug/l | Total | Actual | | | | | 3500-SE(H) | METAL |
| | Acceptable Range | 2.00000 - 5.00000 ug/l | | | | | | | | |
| SO4(IC) | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 4500-SO4(B) | NUTRIENTS |
| | Acceptable Range | 0.10000 - 6.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 4500-NOR(B) | NUTRIENTS |
| | Acceptable Range | 0.02000 - 2.00000 mg/l | | | | | | | | |
| TKN(OI) | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 4500-NOR(C) | NUTRIENTS |
| | Acceptable Range | 0.02000 - 2.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TP | Phosphorus as P Acceptable Range | mg/l | Total | Actual | | | | | 4500-P-F | NUTRIENTS |
| TP(OI) | Phosphorus as P Acceptable Range | mg/l | Total | Actual | | | | | | NUTRIENTS |
| TS | Solids, Fixed Acceptable Range | mg/l | Total | Actual | | | | | 2540-B | |
| TSS | Solids, Fixed Acceptable Range | mg/l | Non-filterable | Actual | | | | | 2540-D | SOLIDS |
| TURB | Turbidity Acceptable Range | NTU | | Actual | | | | | 2130 | |
| ZN | Zinc Acceptable Range | ug/l | Total | Actual | | | | | 3500-ZN(B) | METAL |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| METALS-S | Metals Analyses - Sediment | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Calcium Acceptable Range | mg/kg | Total | Actual | | | | | | METAL |
| 2 | Magnesium Acceptable Range | mg/kg | Total | Actual | | | | | 3500-MG(B) | |
| 3 | Chromium Acceptable Range | mg/kg | Total | Actual | | | | | 3500-CR(B) | |
| 4 | Copper Acceptable Range | mg/kg | Total | Actual | | | | | 3500-CU(B) | |
| 5 | Zinc Acceptable Range | mg/kg | Total | Actual | | | | | | |
| 6 | Nickel Acceptable Range | mg/kg | Total | Actual | | | | | 3500-NI(B) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------------|-------------------|-----------------|------------|----------------|--------------|----------------|--------------|---------------------|----------------------------|
| 7 | Manganese Acceptable Range | mg/kg | Total | Actual | | | | | 3500-MN(B) | |
| <hr/> | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| NUTRNT-S | Nutrients Analyses - Sediment | Sample | Sediment | | | | | | | N |
| <hr/> | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| PROFBOT | Profile @ Bottom Depth | Field Msr/Obs | Water | | | | | | | N |
| <hr/> | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| FIELD PH | pH Acceptable Range | None | | Actual | | | | | 4500-H | |
| | | 4.00000 - 9.50000 | None | | | | | | | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |
| <hr/> | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| PROFIL10 | Depth Profile @ 10 meters | Field Msr/Obs | Water | | | | | | | N |
| <hr/> | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PROFILE1 | Depth Profile @ 1 meter | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|--------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PROFILE2 | Depth Profile @ 2 meters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|--------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PROFILE3 | Depth Profile @ 3 meters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| | | | | | | | |
|-----------------|--------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PROFILE4 | Depth Profile @ 4 meters | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PROFILE5 | Depth Profile @ 5 meters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PROFILE6 | Depth Profile @ 6 meters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PROFILE7 | Depth Profile @ 7 meters | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PROFILE8 | Depth Profile @ 8 meters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PROFILE9 | Depth Profile @ 9 meters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D.O. | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| PROFMID | Profile @ Mid-Depth | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| | Acceptable Range | 0.00000 - 1,500.00000 umho/cm | | | | | | | | |
| D.O. | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 4500-O-G | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| WTR TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 35.00000 deg C | | | | | | | | |

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21SCSHL

SC Dept of Health and Environmental Control

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| 31615 | Fecals - MPN (EC Medium) | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31615 | Fecal Coliform | #/100ml | Total | Actual | MPN | | | | 9222-E | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| SHFFIELD | Shell Fish Field | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00036 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00038 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 00041 | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| 00067 | Tide stage (choice list) | | | | | | | | | |
| 00480 | Salinity | ppt | Total | Actual | | | | | | |

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21SDAK01 SD Dept of Environmental & Natural Resources

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| ENERGY S | Energy TS, TSS, Fecal | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Solids, Total | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| ENERGY-F | Energy Fecal coliform etc. | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Escherichia coli | #/100ml | | Actual | | | | | 9221-D | |
| | Total Coliform | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| ENERGYL | Energy Old Long Group | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Cyanide | ug/l | Total | Actual | | | | | 335.4 | |
| | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Solids, Total | mg/l | Total | Calculated | | | | | 160.3 | |
| | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| | Arsenic | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Lead | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Selenium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| | Cyanide | ug/l | Acid Soluble | Actual | | | | | 335.4 | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |

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| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIELD S | Field temps, DO, ph | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Temperature, air | deg C | | Actual | | | | | 170.1 | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.2 | |
| | pH | None | | Actual | | | | | 150.1 | |

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FISH001 | Fish Flesh Analysis | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALDEHYDE | Endrin Aldehyde | ug/kg | Total | Actual | | | | | | |
| ALDRIN | Aldrin | ug/kg | Total | Actual | | | | | | |
| BHC-A | BHC-alpha | ug/kg | Total | Actual | | | | | | |
| BHC-B | BHC-beta | ug/kg | Total | Actual | | | | | | |
| BHC-G | Hexachlorocyclohexane (mixture) | ug/kg | Total | Actual | | | | | | |
| CADMIUM | Cadmium | mg/kg | Total | Actual | | | | | | |
| CHLORDAN | Chlordane | ug/kg | Total | Actual | | | | | | |
| DDD | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | | |
| DDE | DDE ***retired*** (use DDE, p,p') | ug/kg | Total | Actual | | | | | | |
| DDT | DDT ***retired*** (use DDT, p,p') | ug/kg | Total | Actual | | | | | | |
| DIELDRIN | Dieldrin | ug/kg | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENDO1 | Endosulfan, alpha- | ug/kg | Total | Actual | | | | | | |
| ENDO2 | Endosulfan, beta- | ug/kg | Total | Actual | | | | | | |
| ENDOSULF | Endosulfan Sulfate | ug/kg | Total | Actual | | | | | | |
| ENDRIN | Endrin | ug/kg | Total | Actual | | | | | | |
| EPODIXE | Heptachlor epoxide | ug/kg | Total | Actual | | | | | | |
| HEPTACHL | Heptachlor | ug/kg | Total | Actual | | | | | | |
| HEXCB | Hexachlorobenzene | ug/kg | Total | Actual | | | | | | |
| MERCURY | Mercury | ug/g | Total | Actual | | | | | | |
| METHOXY | Methoxychlor | ug/kg | Total | Actual | | | | | | |
| PCB | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | | |
| SELENIUM | Selenium | mg/kg | Total | Actual | | | | | | |
| TOX | Toxaphene | ug/kg | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|------------|------------|-----------|--------------|---------|
| FISH002 | Fish Size and Weight Data | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AGE | Age | years | | Actual | | | | | | |
| LENGTH | Length, Total (Fish) | mm | | Actual | | | | | | |
| SEX | Sex (choice list) | | | | | | | | | |
| WEIGHT | Weight | g | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HISTORIC | Historic | Sample | Water | | | | N |

This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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Description

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------|--------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | HISTORIC | |
| AMMONIA NH3 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | HISTORIC | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | HISTORIC | |
| COND | Specific conductance | umho/cm | | Actual | | | | | HISTORIC | |
| D-AG | Silver | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-AS | Arsenic | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-CD | Cadmium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-CR | Chromium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-CU | Copper | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-FE | Iron | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-HG | Mercury | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-MN | Manganese | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-NI | Nickel | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-PB | Lead | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-SE | Selenium | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| D-SOLIDS | Solids, Dissolved | mg/l | Dissolved | Calculated | | | | | HISTORIC | |
| D-ZN | Zinc | ug/l | Dissolved | Actual | | | | | HISTORIC | |
| DISS-P | Phosphorus as P | mg/l | Dissolved | Actual | | | | | HISTORIC | |
| E-COLI | Escherichia coli | #/100ml | | Actual | | | | | HISTORIC | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | HISTORIC | |
| FECAL COLIFORM | Fecal Coliform | #/100ml | Total | Actual | | | | | HISTORIC | |
| HARD | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| HARDNESS CA+MG | Hardness, Ca + Mg | mg/l | | Actual | | | | | HISTORIC | |
| IRON, FERROUS | Iron, ferrous, Fe+2 | ug/l | Total | Actual | | | | | HISTORIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| L-PH | pH | None | | Actual | | | | | HISTORIC | |
| NITRATE NO2-NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | HISTORIC | |
| SAR | Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)] | None | | Calculated | | | | | HISTORIC | |
| T-AG | Silver | ug/l | Total | Actual | | | | | HISTORIC | |
| T-AS | Arsenic | ug/l | Total | Actual | | | | | HISTORIC | |
| T-CA | Calcium | mg/l | Total | Actual | | | | | HISTORIC | |
| T-CD | Cadmium | ug/l | Total | Actual | | | | | HISTORIC | |
| T-CHLORIDE | Chloride | mg/l | Total | Actual | | | | | HISTORIC | |
| T-CN | Cyanide | ug/l | Total | Actual | | | | | HISTORIC | |
| T-CR | Chromium | ug/l | Total | Actual | | | | | HISTORIC | |
| T-CU | Copper | ug/l | Total | Actual | | | | | HISTORIC | |
| T-HG | Mercury | ug/l | Total | Actual | | | | | HISTORIC | |
| T-MG | Magnesium | mg/l | Total | Actual | | | | | HISTORIC | |
| T-NA | Sodium | mg/l | Total | Actual | | | | | HISTORIC | |
| T-NI | Nickel | ug/l | Total | Actual | | | | | HISTORIC | |
| T-PB | Lead | ug/l | Total | Actual | | | | | HISTORIC | |
| T-SE | Selenium | ug/l | Total | Actual | | | | | HISTORIC | |
| T-SOLID | Solids, Total | mg/l | Total | Actual | | | | | HISTORIC | |
| T-ZN | Zinc | ug/l | Total | Actual | | | | | HISTORIC | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | HISTORIC | |
| TOTAL-P | Phosphorus as P | mg/l | Total | Actual | | | | | HISTORIC | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | HISTORIC | |
| UN-AMMONIA | Ammonia, unionized | mg/l | | Calculated | | | | | HISTORIC | |
| WAD-CN | Cyanide | ug/l | Acid Soluble | Actual | | | | | HISTORIC | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WATER001 | SD DOH Data | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALKALIN | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| CA | Calcium | mg/l | Total | Actual | | | | | 3111-B | |
| CL | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| CONDUCT | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| D-SOLIDS | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | 2540-C | |
| DISS-P | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.2 | |
| DO SAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |
| E-COLI | Escherichia coli | #/100ml | | Actual | | | | | 9223-B | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| HARD | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.2 | |
| K | Potassium | mg/l | Total | Actual | | | | | 3111-B | |
| L-PH | pH | None | | Actual | | | | | 150.1 | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 3111-B | |
| NA | Sodium | mg/l | Total | Actual | | | | | 3111-B | |
| NH3 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(H) | |
| NO2-NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | |
| S-SOLIDS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 2540-D | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 4500-SO4(F) | |
| T-SOLIDS | Solids, Total | mg/l | Total | Calculated | | | | | 2540-B | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TOTAL-P | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WATER002 | Energy | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALKALIN | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| CL | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| COLIFORM, TOTAL | Total Coliform | cfu/100ml | Total | Actual | | | | | 9222-B | |
| CONDUCT | Specific conductance | umho/cm | | Actual | | | | | 2510 | |
| D-AG | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-AS | Arsenic | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-CA | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-CD | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-CR | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-CU | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-FE | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-HG | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| D-MG | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-MN | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-NA | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-NI | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-PB | Lead | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-SE | Selenium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| D-SOLIDS | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | NONE | |
| D-ZN | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DISS-P | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| DO SAT | Dissolved oxygen saturation | % | | Calculated | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| E-COLI | Escherichia coli | #/100ml | | Actual | | | | | 9221-D | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| HARD | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |
| L-PH | pH | None | | Actual | | | | | 150.1 | |
| NH4 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(G) | |
| NO2-NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| ORTHO-P | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| S-SOLIDS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| T-AG | Silver | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-AS | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-CA | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |
| T-CD | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-CN | Cyanide | ug/l | Total | Actual | | | | | 335.4 | |
| T-CR | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-CU | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| T-MG | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| T-NA | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| T-NI | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-PB | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-SE | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |
| T-SOLIDS | Solids, Total | mg/l | Total | Calculated | | | | | 160.3 | |
| T-ZN | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TOTAL-P | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| WAD-CN | Cyanide | ug/l | Acid Soluble | Actual | | | | | 335.4 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WATER003 | USBOR | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKALINITY | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | | |
| CALCIUM | Calcium | mg/l | Total | Actual | | | | | | |
| CATION/ANION BALANCE | Cations-Anions | % | Free Available | Actual | | | | | | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | | |
| D-SOLIDS | Solids, Dissolved | mg/l | Dissolved | Calculated | | | | | | |
| HARDNESS | Hardness, carbonate | mg/l | | Actual | | | | | | |
| MAGNESIUM | Magnesium | mg/l | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| ORGANIC CARBON | Carbon, organic | mg/l | Total | Actual | | | | | | |
| POTASSIUM | Potassium | mg/l | Total | Actual | | | | | | |
| SAR | Sodium Adsorption Ratio [(Na)/(sq root of 1/2 Ca + Mg)] | | | Calculated | | | | | | |
| SODIUM | Sodium | mg/l | Total | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| T-SOLIDS | Solids, Total | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| TSS 105 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | | |
| TSS 550 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| WQMFIELD | WQM Field Data | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------|-----------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIRTEMP | Temperature, air | deg C | | Actual | | | | | 170.1 | |
| APPEAR | Water appearance (text) | | | | | | | | NONE | |
| DEPTH | Depth, bottom | ft | | Actual | | | | | NONE | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.2 | |
| DO SATURATION | Dissolved oxygen saturation | % | | Calculated | | | | | HISTORIC | |
| F-COND | Specific conductance | umho/cm | | Actual | | | | | HISTORIC | |
| F-PH | pH | None | | Actual | | | | | 150.1 | |
| FISHKILL | Fish Kill, severity (choice list) | | | | | | | | | |
| FLOW | Flow | cfs | | Actual | | | | | | |
| VELOCITY | Velocity - stream | ft/sec | | Actual | | | | | NONE | |
| WEATHER | Weather Comments (text) | | | | | | | | | |
| WIDTH | Width | ft | | Actual | | | | | NONE | |
| WTEMP | Temperature, water | deg C | | Actual | | | | | 170.1 | |

Characteristic Group Details

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21WABCH

Washington State Department of Ecology

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| ECOLI | ESCHERICHIA COLI | Sample | Water | | | | N |
| ENTERO | ENTEROCOCCUS GROUP BACTERIA | Sample | Water | | | | N |
| FECAL | COLIFORM, FECAL | Sample | Water | | | | N |

Characteristic Group Details

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21WIBCH

Wisconsin Department of Natural Resources

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| TEST | test | Sample | Water | | | | N |

Characteristic Group Details

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22LAGWTR

Louisiana Dept of Environmental Quality

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BMP-FLD | Field Measurements | Field Msr/Obs | Water | | | | N |

Citations Baseline Monitoring Project, 1999, Baseline Monitoring Project, Quality Assurance Project Plan, LDEQ, 198pp

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | BMP-FLD | |
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | | |
| 2 | Specific conductance | umho/cm | | Actual | | | | | BMP-FLD | |
| | Acceptable Range | 0.00000 - 2,000.00000 umho/cm | | | | | | | | |
| 3 | pH | SU | | Actual | | | | | BMP-FLD | |
| | Acceptable Range | 1.00000 - 14.00000 SU | | | | | | | | |
| 4 | Salinity | ppt | | Actual | | | | | BMP-FLD | |
| | Acceptable Range | 0.00000 - 100.00000 ppt | | | | | | | | |

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| METAL-1 | Total Metals in Water | Sample | Water | | | | N |

Citations USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Antimony | ppb | | Actual | | | | | 6010B | METAL-1 |
| | Acceptable Range | 0.00000 - 6.00000 ppb | | | | | | | | |
| 10 | Mercury | ppb | | Actual | | | | | 7470A | METAL-1 |
| | Acceptable Range | 0.00000 - 2.00000 ppb | | | | | | | | |
| 11 | Nickel | ppb | | Actual | | | | | 6010B | METAL-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 12 | Selenium | ppb | | Actual | | | | | 6010B | METAL-1 |
| | Acceptable Range | 0.00000 - 50.00000 ppb | | | | | | | | |
| 13 | Silver | ppb | | Actual | | | | | 6010B | METAL-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 14 | Thallium | ppb | | Actual | | | | | 6010B | METAL-1 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 15 | Acceptable Range Zinc | 0.00000 - 5.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 2 | Acceptable Range Arsenic | 0.00000 - 5,000.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 3 | Acceptable Range Barium | 0.00000 - 50.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 4 | Acceptable Range Beryllium | 0.00000 - 2,000.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 5 | Acceptable Range Cadmium | 0.00000 - 5.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 6 | Acceptable Range Chromium | 0.00000 - 100.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 7 | Acceptable Range Copper | 0.00000 - 1,000.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 8 | Acceptable Range Iron | 0.00000 - 300.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |
| 9 | Acceptable Range Lead | 0.00000 - 15.00000 ppb ppb | | Actual | | | | | 6010B | METAL-1 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| METAL-2 | Total Metals in Water (106) | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Antimony | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| 10 | Mercury | ppb | | Actual | | | | | 245.1 | HG-106 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 11 | Nickel | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 12 | Selenium | ppb | | Actual | | | | | 200.9 | METAL-2 |
| | Acceptable Range | 0.00000 - 50.00000 ppb | | | | | | | | |
| 13 | Silver | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 14 | Thallium | ppb | | Actual | | | | | 200.9 | METAL-2 |
| | Acceptable Range | 0.00000 - 2.00000 ppb | | | | | | | | |
| 15 | Zinc | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 5,000.00000 ppb | | | | | | | | |
| 16 | Calcium | ppm | | Actual | | | | | 200.7(W) | METAL-2 |
| 17 | Magnesium | ppm | | Actual | | | | | 200.7(W) | METAL-2 |
| 18 | Potassium | ppm | | Actual | | | | | 200.7(W) | METAL-2 |
| 19 | Silica | ppm | | Actual | | | | | 200.7(W) | METAL-2 |
| 2 | Arsenic | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 50.00000 ppb | | | | | | | | |
| 20 | Sodium | ppm | | Actual | | | | | 200.7(W) | METAL-2 |
| 3 | Barium | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 2,000.00000 ppb | | | | | | | | |
| 4 | Beryllium | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 4.00000 ppb | | | | | | | | |
| 5 | Cadmium | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 6 | Chromium | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 7 | Copper | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 1,300.00000 ppb | | | | | | | | |
| 8 | Iron | ppb | | Actual | | | | | 200.7(W) | METAL-2 |
| | Acceptable Range | 0.00000 - 300.00000 ppb | | | | | | | | |
| 9 | Lead | ppb | | Actual | | | | | 200.7(W) | METAL-2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 15.00000 ppb | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------|---|--------|--------|-----------|--------------|---------|
| NUTRNT-1 | Nutrients in Water | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Ammonia, unionized | ppm | | Actual | | | | | 350.3 | NUTRNT-1 |
| | Acceptable Range | 0.00000 - 10.00000 ppm | | | | | | | | |
| 2 | Hardness, carbonate | ppm | | Actual | | | | | 130.2 | NUTRNT-1 |
| | Acceptable Range | 0.00000 - 250.00000 ppm | | | | | | | | |
| 3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | ppm | | Actual | | | | | 353.2 | NUTRNT-1 |
| | Acceptable Range | 0.00000 - 10.00000 ppm | | | | | | | | |
| 4 | Nitrogen, Kjeldahl | ppm | | Actual | | | | | 351.2 | NUTRNT-1 |
| | Acceptable Range | 0.00000 - 10.00000 ppm | | | | | | | | |
| 5 | Phosphorus as P | ppm | | Actual | | | | | 365.4 | NUTRNT-1 |
| | Acceptable Range | 0.00000 - 10.00000 ppm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------------|--|--------|--------|-----------|--------------|---------|
| PESTPCB1 | Pest/PCB's in Water-8270C | Sample | Water | | | | N |
| Citations | | USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | BHC-alpha | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 10 | DDE ***retired*** (use DDE, p,p'-) | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 11 | Dieldrin | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 12 | DDD ***retired*** (use DDD, p,p') | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 13 | Endrin | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 2.00000 | | | | | | | | |
| 14 | Toxaphene | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 3.00000 | | | | | | | | |
| 15 | Endosulfan, beta- | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 16 | Endrin Aldehyde | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 17 | DDT ***retired*** (use DDT, p,p'-) | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 18 | Endosulfan Sulfate | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |
| 19 | Methoxychlor | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 40.00000 | | | | | | | | |
| 2 | BHC-beta | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Endrin ketone | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 21 | Pcb-aroclor 1221 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.50000 ppb | | | | | | | | |
| 22 | Pcb-aroclor 1232 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.50000 ppb | | | | | | | | |
| 23 | Pcb-aroclor 1016 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 24 | Pcb-aroclor 1254 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.50000 ppb | | | | | | | | |
| 25 | Pcb-aroclor 1248 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.50000 ppb | | | | | | | | |
| 26 | Pcb-aroclor 1260 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.50000 ppb | | | | | | | | |
| 27 | Pcb-aroclor 1242 | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 3 | BHC-gamma (Lindane) | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.20000 ppb | | | | | | | | |
| 4 | BHC-delta | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 5 | Heptachlor | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.40000 ppb | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 6 | Aldrin | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.20000 ppb | | | | | | | | |
| 7 | Heptachlor epoxide | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 0.20000 ppb | | | | | | | | |
| 8 | Chlordane | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 2.00000 ppb | | | | | | | | |
| 9 | Endosulfan, alpha- | ppb | | Actual | | | | | 8270C PEST/PCB | PEST/PCB |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| PESTPCB2 | Pest/PCB's in Water - 625 | Sample | Water | | | | N |
| Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | BHC-alpha | ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 10 | DDE ***retired*** (use DDE, p,p'-) | ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 11 | Dieldrin | ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 12 | DDD ***retired*** (use DDD, p,p') | ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 13 | Endrin | ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| | Acceptable Range | 0.00000 - 2.00000 ppb | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | Toxaphene Acceptable Range | ppb 0.00000 - 3.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 15 | Endosulfan, beta- Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 16 | Endrin Aldehyde Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 17 | DDT ***retired*** (use DDT, p,p'-) Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 18 | Endosulfan Sulfate Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 2 | BHC-beta Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 21 | Pcb-aroclor 1221 Acceptable Range | ppb 0.00000 - 0.50000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 22 | Pcb-aroclor 1232 Acceptable Range | ppb 0.00000 - 0.50000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 23 | Pcb-aroclor 1016 Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 24 | Pcb-aroclor 1254 Acceptable Range | ppb 0.00000 - 0.50000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 25 | Pcb-aroclor 1248 Acceptable Range | ppb 0.00000 - 0.50000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 26 | Pcb-aroclor 1260 Acceptable Range | ppb 0.00000 - 0.50000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 27 | Pcb-aroclor 1242 Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 3 | BHC-gamma (Lindane) Acceptable Range | ppb 0.00000 - 0.20000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 4 | BHC-delta Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 5 | Heptachlor Acceptable Range | ppb 0.00000 - 0.40000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 6 | Aldrin Acceptable Range | ppb 0.00000 - 0.20000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 7 | Heptachlor epoxide Acceptable Range | ppb 0.00000 - 0.20000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 8 | Chlordane Acceptable Range | ppb 0.00000 - 2.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |
| 9 | Endosulfan, alpha- Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 625 | PEST/PCB-2 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|--|--------|--------|-----------|--------------|---------|
| SVOC-1 | SVOC's in Water-8270C | Sample | Water | | | | N |
| Citations | | USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrosodimethylamine, n- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 10 | 1,4-Dichlorobenzene Acceptable Range | ppb 0.00000 - 75.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 11 | Benzyl alcohol Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 12 | 1,2-Dichlorobenzene Acceptable Range | ppb 0.00000 - 600.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 13 | Cresol, o- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 14 | Dichlorodiisopropyl ether, 2,2'- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 15 | Cresol, p- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 16 | n-Nitrosodipropylamine | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 17 | Hexachloroethane | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 18 | Acetophenone | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 19 | nitro-Benzene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 2 | Picoline, 2- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 20 | Nitrosopiperidine, n- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 21 | Isophorone | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 22 | 2,4-Dimethylphenol | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 23 | Nitrophenol, 2- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 24 | Benzoic acid | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 25 | bis(2-chloroethoxy) methane | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 26 | 2,4-Dichlorophenol | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 27 | Dimethylphenethylamine, alpha,alpha- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 28 | 1,2,4-Trichlorobenzene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 70.00000 ppb | | | | | | | | |
| 29 | Naphthalene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |

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|--------|------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 3 | Methyl methanesulfonate | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 30 | Chloroaniline, 4- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 31 | Dichlorophenol, 2,6- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 32 | Hexachlorobutadiene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 33 | Nitrosodibutylamine, n- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 34 | 4-Chloro-3-methylphenol | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 35 | Methylnaphthalene, 2- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 36 | Hexachlorocyclopentadiene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 50.00000 ppb | | | | | | | | |
| 37 | Tetrachlorobenzene, 1,2,4,5- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 38 | 2,4,6-Trichlorophenol (TCPH) | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 39 | Trichlorophenol, 2,4,5- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 4 | Ethyl methanesulfonate | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 40 | Chloronaphthalene-2 | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 41 | Chloronaphthalene, alpha- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 42 | Nitroaniline, 2- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 43 | Dimethyl phthalate Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 44 | 2,6-Dinitrotoluene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 45 | Acenaphthylene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 46 | m-Nitroaniline Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 47 | p-Nitrophenol Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 48 | Dinitrophenol, 2,4- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 49 | Acenaphthene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 5 | Phenol Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 50 | 2,4-Dinitrotoluene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 51 | Pentachlorobenzene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 52 | Dibenzofuran Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 53 | Naphthylamine, alpha- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 54 | Diethyl phthalate Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 55 | Tetrachlorophenol, 2,3,4,6- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 56 | Naphthylamine, beta- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 57 | Chlorophenyl-4 phenyl ether | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |

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|--------|--------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 58 | p-Nitroaniline | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 59 | Fluorenes, C1-C3 | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 6 | Aniline | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 60 | Dinitro-o-cresol | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 61 | Aminodiphenyl, 4- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 62 | Diphenylhydrazine, 1,2- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 63 | Phenacetin | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 64 | Bromophenyl-4 phenyl ether | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 65 | Hexachlorobenzene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 1.00000 ppb | | | | | | | | |
| 66 | Pronamide | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 67 | n-Nitrosodiphenylamine | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 68 | Pentachlorophenol (PCP) | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 1.00000 ppb | | | | | | | | |
| 69 | Pentachloronitrobenzene (PCNB) | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 7 | bis(2-chloroethyl) ether | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 70 | Phenanthrenes, C1-C4 | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |

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|--------|---|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 71 | Anthracene Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 72 | Dibutyl phthalate Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 73 | Fluoranthenes, C1-C4 Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 74 | Benzidine Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 75 | Pyrene Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 76 | Dimethylaminoazobenzene, 4- Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 77 | Butyl benzyl phthalate Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 78 | bis(2-ethylhexyl) phthalate (DEHP) Acceptable Range | ppb 0.00000 - 6.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 79 | Dichlorobenzidine, 3,3'- Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 8 | Chlorophenol-2 Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 80 | Benzo[a]anthracene Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 81 | Chrysenes C1-C4 Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 82 | bis(n-octyl) Phthalate Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 83 | Dimethylbenz(a)anthracene, 7,12- Acceptable Range | ppb 0.00000 - 100.00000 | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| 84 | Benzo[b]fluoranthene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |

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|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 85 | Benzo[k]fluoranthene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 86 | Benzo[a]pyrene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 87 | Methylcholanthrene, 3- | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 88 | Dibenz(a,j)acridine | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 89 | Indeno[1,2,3-cd]pyrene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 9 | 1,3-Dichlorobenzene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 600.00000 ppb | | | | | | | | |
| 90 | Dibenzo[a,h]anthracene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 91 | Benzo[g,h,i]perylene | ppb | | Actual | | | | | 8270C - SVOC | SVOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| SVOC-2 | SVOC's in Water - 625 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrosodimethylamine, n- | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 10 | 1,4-Dichlorobenzene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 75.00000 ppb | | | | | | | | |
| 12 | 1,2-Dichlorobenzene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 600.00000 ppb | | | | | | | | |

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|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | Dichlorodiisopropyl ether, 2,2'- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 16 | n-Nitrosodipropylamine Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 17 | Hexachloroethane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 19 | nitro-Benzene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 21 | Isophorone Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 22 | 2,4-Dimethylphenol Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 23 | Nitrophenol, 2- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 25 | bis(2-chloroethoxy) methane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 26 | 2,4-Dichlorophenol Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 28 | 1,2,4-Trichlorobenzene Acceptable Range | ppb 0.00000 - 70.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 29 | Naphthalene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 32 | Hexachlorobutadiene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 34 | 4-Chloro-3-methylphenol Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 36 | Hexachlorocyclopentadiene Acceptable Range | ppb 0.00000 - 50.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 37 | Tetrachlorobenzene, 1,2,4,5- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 38 | 2,4,6-Trichlorophenol (TcPh) | ppb | | Actual | | | | | 625 | SVOC-2 |

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|--------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 40 | Chloronaphthalene-2 | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 43 | Dimethyl phthalate | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 44 | 2,6-Dinitrotoluene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 45 | Acenaphthylene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 47 | p-Nitrophenol | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 48 | Dinitrophenol, 2,4- | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 49 | Acenaphthene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 5 | Phenol | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 50 | 2,4-Dinitrotoluene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 51 | Pentachlorobenzene | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 54 | Diethyl phthalate | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 57 | Chlorophenyl-4 phenyl ether | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 59 | Fluorenes, C1-C3 | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 60 | Dinitro-o-cresol | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 64 | Bromophenyl-4 phenyl ether | ppb | | Actual | | | | | 625 | SVOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |

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|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 65 | Hexachlorobenzene Acceptable Range | ppb 0.00000 - 1.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 67 | n-Nitrosodiphenylamine Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 68 | Pentachlorophenol (PCP) Acceptable Range | ppb 0.00000 - 1.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 7 | bis(2-chloroethyl) ether Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 70 | Phenanthrenes, C1-C4 Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 71 | Anthracene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 72 | Dibutyl phthalate Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 73 | Fluoranthenes, C1-C4 Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 74 | Benzidine Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 75 | Pyrene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 77 | Butyl benzyl phthalate Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 78 | bis(2-ethylhexyl) phthalate (DEHP) Acceptable Range | ppb 0.00000 - 6.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 79 | Dichlorobenzidine, 3,3'- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 8 | Chlorophenol-2 Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 80 | Benzo[a]anthracene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 81 | Chrysenes C1-C4 Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 82 | bis(n-octyl) Phthalate Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 84 | Benzo[b]fluoranthene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 85 | Benzo[k]fluoranthene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 86 | Benzo[a]pyrene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 89 | Indeno[1,2,3-cd]pyrene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 9 | 1,3-Dichlorobenzene Acceptable Range | ppb 0.00000 - 600.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 90 | Dibenzo[a,h]anthracene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 91 | Benzo[g,h,i]perylene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 92 | Chlorobenzene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 93 | Trichlorobenzene, 1,2,3- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 94 | Trichlorobenzene, 1,3,5- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |
| 95 | Tetrachlorobenzene, 1,2,3,4- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 625 | SVOC-2 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| VOC-1 | VOC's in Water - 8260B | Sample | Water | | | | N |

USEPA, 1998, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition, Final Update III., USEPA, SW-846_III

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Citations

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Tetrachloroethane, 1,1,1,2- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 10 | 1,2,4-Trichlorobenzene Acceptable Range | ppb 0.00000 - 70.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 11 | Trimethylbenzene, 1,2,4- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 12 | 1,2-Dibromo-3-chloropropane (DBCP) Acceptable Range | ppb 0.00000 - 0.20000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 13 | Ethylene dibromide (EDB) Acceptable Range | ppb 0.00000 - 0.05000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 14 | 1,2-Dichlorobenzene Acceptable Range | ppb 0.00000 - 600.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 15 | Dichloroethane, 1,2- Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 16 | Dichloropropane, 1,2- Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 17 | Trimethylbenzene, 1,3,5- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 18 | 1,3-Dichlorobenzene Acceptable Range | ppb 0.00000 - 600.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 19 | Dichloropropane, 1,3- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 2 | Trichloroethane, 1,1,1- Acceptable Range | ppb 0.00000 - 200.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 20 | 1,4-Dichlorobenzene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 21 | Dichloropropane, 2,2- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 22 | Chlorotoluene, 2- | ppb | | Actual | | | | | 8260B | VOC-1 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 23 | Chlorotoluene, 4- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 24 | Benzene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 25 | Monobromobenzene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 26 | Chlorobromomethane | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 27 | Dichlorobromomethane | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 28 | Bromoform | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 29 | Methyl bromide | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 3 | Tetrachloroethane, 1,1,2,2- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 30 | Carbon tetrachloride | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 31 | Chlorobenzene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 32 | Chloroethane | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 33 | Chloroform | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 34 | Methyl chloride | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 35 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 70.00000 ppb | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 36 | cis-1,3-Dichloropropene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 37 | Chlorodibromomethane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 38 | Dibromomethane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 39 | Dichlorodifluoromethane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 4 | Trichloroethane, 1,1,2- Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 40 | Ethylbenzene Acceptable Range | ppb 0.00000 - 700.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 41 | Hexachlorobutadiene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 42 | Cumene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 43 | MTBE, Methyl tertiary butyl ether Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 44 | Dichloromethane Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 45 | Butyl benzene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 46 | Propylbenzene, n- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 47 | Naphthalene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 48 | Xylene, o- Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 49 | Xylene, m- Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 8260B | VOC-1 |
| 5 | Dichloroethane, 1,1- | ppb | | Actual | | | | | 8260B | VOC-1 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 50 | Xylene, p- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 51 | Cymene ***retired*** (use p-Cymene) | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 52 | Butylbenzene, sec- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 53 | Styrene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 54 | Butylbenzene, tert- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 55 | Tetrachloroethylene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 56 | Toluene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 1,000.00000 ppb | | | | | | | | |
| 57 | Dichloroethene, trans-1,2- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 58 | trans-1,3-Dichloropropene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 59 | Trichloroethylene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 6 | 1,1-Dichloroethylene | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 7.00000 ppb | | | | | | | | |
| 60 | Trichlorofluoromethane | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 61 | Vinyl chloride | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 2.00000 ppb | | | | | | | | |
| 7 | Dichloropropene, 1,1- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 8 | Trichlorobenzene, 1,2,3- | ppb | | Actual | | | | | 8260B | VOC-1 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 9 | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| | Trichloropropane, 1,2,3- | ppb | | Actual | | | | | 8260B | VOC-1 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------|---|--------|--------|-----------|--------------|---------|
| VOC-2 | VOC's in Water - 624 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | 1,2-Dichlorobenzene | ppb | | Actual | | | | | 624 | VOC-2 |
| 15 | Acceptable Range | 0.00000 - 600.00000 ppb | | | | | | | | |
| | Dichloroethane, 1,2- | ppb | | Actual | | | | | 624 | VOC-2 |
| 16 | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| | Dichloropropane, 1,2- | ppb | | Actual | | | | | 624 | VOC-2 |
| 18 | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| | 1,3-Dichlorobenzene | ppb | | Actual | | | | | 624 | VOC-2 |
| 2 | Acceptable Range | 0.00000 - 600.00000 ppb | | | | | | | | |
| | Trichloroethane, 1,1,1- | ppb | | Actual | | | | | 624 | VOC-2 |
| 20 | Acceptable Range | 0.00000 - 200.00000 ppb | | | | | | | | |
| | 1,4-Dichlorobenzene | ppb | | Actual | | | | | 624 | VOC-2 |
| 24 | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| | Benzene | ppb | | Actual | | | | | 624 | VOC-2 |
| 27 | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| | Dichlorobromomethane | ppb | | Actual | | | | | 624 | VOC-2 |
| 28 | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| | Bromoform | ppb | | Actual | | | | | 624 | VOC-2 |
| 29 | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| | Methyl bromide | ppb | | Actual | | | | | 624 | VOC-2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 3 | Tetrachloroethane, 1,1,2,2- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 30 | Carbon tetrachloride Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 31 | Chlorobenzene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 32 | Chloroethane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 33 | Chloroform Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 34 | Methyl chloride Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 36 | cis-1,3-Dichloropropene Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 37 | Chlorodibromomethane Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 4 | Trichloroethane, 1,1,2- Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 40 | Ethylbenzene Acceptable Range | ppb 0.00000 - 700.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 43 | MTBE, Methyl tertiary butyl ether Acceptable Range | ppb 0.00000 - 20.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 44 | Dichloromethane Acceptable Range | ppb 0.00000 - 5.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 48 | Xylene, o- Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 49 | Xylene, m- Acceptable Range | ppb 0.00000 - 10.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 5 | Dichloroethane, 1,1- Acceptable Range | ppb 0.00000 - 100.00000 ppb | | Actual | | | | | 624 | VOC-2 |
| 50 | Xylene, p- | ppb | | Actual | | | | | 624 | VOC-2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10.00000 ppb | | | | | | | | |
| 53 | Styrene | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 55 | Tetrachloroethylene | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 56 | Toluene | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 1,000.00000 ppb | | | | | | | | |
| 57 | Dichloroethene, trans-1,2- | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 58 | trans-1,3-Dichloropropene | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 59 | Trichloroethylene | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 5.00000 ppb | | | | | | | | |
| 6 | 1,1-Dichloroethylene | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 7.00000 ppb | | | | | | | | |
| 60 | Trichlorofluoromethane | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 100.00000 ppb | | | | | | | | |
| 61 | Vinyl chloride | ppb | | Actual | | | | | 624 | VOC-2 |
| | Acceptable Range | 0.00000 - 2.00000 ppb | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------------|---|--------|--------|-----------|--------------|---------|--|
| WQ-1 | Water Quality Parameters | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Carbonate as CaCO3 | ppm | | Actual | | | | | 310.1 | WQ-1 |
| | Acceptable Range | 0.00000 - 300.00000 ppm | | | | | | | | |
| 2 | Chloride | ppm | | Actual | | | | | 300(B) | WQ-1 |
| | Acceptable Range | 0.00000 - 250.00000 ppm | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 3 | Color, True Acceptable Range | PCU 0.00000 - 15.00000 PCU | | Actual | | | | | 110.2 | WQ-1 |
| 4 | Specific conductance Acceptable Range | umho/cm 1.00000 - 1,000.00000 umho/cm | | Actual | | Wet | | | 120.1 | WQ-1 |
| 5 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | ppm 0.00000 - 250.00000 ppm | | Actual | | | | | 300(B) | WQ-1 |
| 6 | Solids, Total Suspended (TSS) Acceptable Range | ppm 0.00000 - 500.00000 ppm | | Actual | | | | | 160.1 | WQ-1 |
| 7 | Solids, Total Suspended (TSS) Acceptable Range | ppm 0.00000 - 500.00000 ppm | | Actual | | | | | 160.2 | WQ-1 |
| 8 | Turbidity Acceptable Range | NTU 0.00000 - 5.00000 NTU | | Actual | | | | | 180.1 | WQ-1 |
| 9 | Carbon, Total Organic (Toc) Acceptable Range | PPM 0.00000 - 100.00000 PPM | | Actual | | | | | | WQ-1 |

Characteristic Group Details

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31DELRBC

Delaware River Basin Commission

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 001 | test | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Salinity | | | Actual | | | | | | |
| | Dissolved oxygen (DO) | | | Actual | | | | | | |
| | Sand | | | Actual | | | | | | |

| | | | | | | | |
|-----------------|--------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIELD | Water Quality Parameters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DISSO2 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DO SAT | Dissolved oxygen saturation | % | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SCONDUCT | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| SECCHI | Depth, Secchi Disk Depth | in | | Actual | | | | | | |
| SECCI | Depth, Secchi Disk Depth | in | | Actual | | | | | | |
| TEMPW | Temperature, water | deg C | | Actual | | | | | 2550 | |
| | Density | | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIELDA | Field air | Field Msr/Obs | Air | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TEMPA | Temperature, air | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAB | Water Quality Parameters | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACIDITY | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| ALKALIN | Alkalinity, Hydroxide as CaCO3 | mg/l | Total | Actual | | | | | | |
| ALKALINITY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320 | |
| ALPHA | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | | Actual | | | | | 900 | |
| BETA | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | | Actual | | | | | 900 | |
| CARBON14 | Carbon-14 | umol/m2/s | | Actual | | | | | | |
| CARPAR | Carbon, organic plus inorganic (TC) **Retired | mg/l | Filterable | Actual | | | | | 160.1 | |
| CHLOR-A | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| CHROMIUM | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | 3500-CR(D) | |
| COLIFORM | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| CONDUCT | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| COPPERD | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| COPPERT | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| DISORCAR | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.1 | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOSATUR | Dissolved oxygen saturation | % | | Actual | | | | | | |
| E. COLI | Escherichia coli | #/100ml | Total | Actual | | | | | 1103_1 | |
| HARDNESS | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.2 | |
| KJELDAHL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| LIGHTATTEN | Light attenuation at measurement depth | umol/S/m2 | | Actual | | | | | | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| NITROSUL | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | 351.2 | |
| NO2+NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NO2+NO3D | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 354.1 | |
| NO2-NDIS | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| ORGOCARD | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 415.1 | |
| ORGOCART | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| ORTHOPHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PH | pH | None | | Actual | | | | | 160.1 | |
| PHEOPHYT | Pheophytin-a | ug/l | Total | Actual | | | | | 10200-H | |
| PHOSPHOR | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI DEPTH | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SILICAD | Silica | mg/l | Dissolved | Actual | | | | | | |
| SIO2 | Silica | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SODIUM | Sodium | ug/l | Total | Actual | | | | | 200.7(W) | |
| TDS | Solids, Total | mg/l | Dissolved | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 90,000.00000 mg/l | | | | | | | | |
| TEMPA | Temperature, air | deg C | | Actual | | | | | | |
| TEMPW | Temperature, water | deg C | | Actual | | | | | | |
| TENTEROC | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| TRITIUM | Tritium | pCi/L | | Actual | | | | | 906 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.1 | |
| TURBID | Turbidity | FTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.50000 - 1,000.00000 FTU | | | | | | | | |
| ULTBOD | BOD, ultimate | mg/l | | Actual | | | | | | |
| VOLATILE | Solids, Fixed | mg/l | Volatile | Actual | | | | | | |
| ZINCDIS | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ZINCTOT | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Light attenuation coefficient | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| METAL | Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Selenium | | | | | | | | | |
| | Silver | | | | | | | | | |
| | Sodium | | | | | | | | | |
| | Thallium | | | | | | | | | |
| | Nickel | | | | | | | | | |
| | Antimony | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Arsenic | | | | | | | | | |
| | Beryllium | | | | | | | | | |
| | Cadmium | | | | | | | | | |
| | Chromium | | | | | | | | | |
| | Lead | | | | | | | | | |
| | Mercury | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| VOC | Volatile Organic Chemicals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1112TECE | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | 525.1 | |
| 111TRCE | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 525.1 | |
| 1122TECE | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 525.1 | |
| 112TRCE | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 525.1 | |
| 11DCE | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 525.1 | |
| 11DCEE | Dichloroethene (all isomers) | ug/l | Total | Actual | | | | | 525.1 | |
| 11DCETHE | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 525.1 | |
| 12-XYLEN | Xylene, o- | ug/l | Total | Actual | | | | | 525.1 | |
| 123TRCB | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | 525.1 | |
| 123TRCP | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | 525.1 | |
| 124TRCB | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 525.1 | |
| 124TRMB | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | 525.1 | |
| 12DCB | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 12DCBENZ | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 525.1 | |
| 12DCE | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 525.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 12DCP | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 525.1 | |
| 13-XYLEN | Xylene, m- | ug/l | Total | Actual | | | | | 525.1 | |
| 135TRMB | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | 525.1 | |
| 13DCB | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 525.1 | |
| 13DCBENZ | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | | |
| 13DCP | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | 525.1 | |
| 14-XYLEN | Xylene, p- | ug/l | Total | Actual | Mean | | 24 Hours | 15 Deg C | 525.1 | |
| | Acceptable Range | 0.00000 - 10.00000 ug/l | | | | | | | | |
| 14DCB | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 525.1 | |
| 14DCBENZ | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 525.1 | |
| 15-XYLEN | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 525.1 | |
| 2CT | Chlorotoluene, 2- | ug/l | | Actual | | | | | | |
| 4CT | Chlorotoluene, 4- | ug/l | | Actual | | | | | | |
| ACETONE | Acetone | ug/l | Total | Actual | | | | | | |
| BENZENE | Benzene | ug/l | Total | Actual | | | | | | |
| BRO-BENZ | Monobromobenzene | ug/l | Total | Actual | | | | | | |
| BRO-FORM | Bromoform | ug/l | Total | Actual | | | | | | |
| BRO-METH | Methyl bromide | ug/l | Total | Actual | | | | | | |
| C12DCE | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | 525.1 | |
| C13DCP | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 525.1 | |
| CAR-TEC | Carbon tetrachloride | ug/l | Total | Actual | | | | | 525.1 | |
| CHLO-BEN | Chlorobenzene | ug/l | Total | Actual | | | | | | |
| CHLO-ETH | Chloroethane | ug/l | Total | Actual | | | | | | |
| CHLOBENZ | Chlorobenzene | ug/l | Total | Actual | | | | | | |
| CHLOFORM | Chloroform | ug/l | Total | Actual | | | | | | |
| CHLOMETH | Methyl chloride | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DBCmeth | Chlorodibromomethane | ug/l | Total | Actual | | | | | | |
| DBCP | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 525.1 | |
| DBmeth | Dibromomethane | ug/l | Total | Actual | | | | | | |
| DCBmeth | Dichlorobromomethane | ug/l | Total | Actual | | | | | | |
| DCDFmeth | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | | |
| DCmeth | Dichloromethane | ug/l | Total | Actual | | | | | 525.1 | |
| DIPROPE | Dichloropropene, 1,3- | ug/l | Total | Actual | | | | | 525.1 | |
| EDB | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 504 | |
| ETH-BENZ | Ethylbenzene | ug/l | Total | Actual | | | | | | |
| HCBUTADI | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 525.1 | |
| ISOPBENZ | Cumene | ug/l | Total | Actual | | | | | 525.1 | |
| MTBE | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 525.1 | |
| NAPHTHAL | Naphthalene | ug/l | Total | Actual | | | | | 525.1 | |
| NBUTBENZ | Butyl benzene | ug/l | Total | Actual | | | | | | |
| NPROBENZ | Propylbenzene, n- | ug/l | Total | Actual | | | | | 525.1 | |
| SBUTBENZ | Butylbenzene, sec- | ug/l | | Actual | | | | | | |
| STYRENE | Styrene | ug/l | Total | Actual | | | | | | |
| T12DCETH | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 525.1 | |
| T13DCPRO | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 525.1 | |
| TBUTBENZ | Butylbenzene, tert- | ug/l | | Actual | | | | | | |
| TECETHYL | Tetrachloroethylene | ug/l | Total | Actual | | | | | | |
| TOLUENE | Toluene | ug/l | Total | Actual | | | | | | |
| TRCETHYL | Trichloroethylene | ug/l | Total | Actual | | | | | | |
| TRCFMETH | Trichlorofluoromethane | ug/l | Total | Actual | | | | | | |
| VINYCHLO | Vinyl chloride | ug/l | Total | Actual | | | | | | |
| XYLENES | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | 525.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| AIRMSR | Air Measurements | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIRTEMPC | Temperature, air | deg C | | Actual | | | | | 170.1 | |
| AIRTEMPF | Temperature, air | deg F | | Actual | | | | | 170.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BUGDELR | Macroinvertebrates - River | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BUGTRIB | Macroinvertebrates - Tribs | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| DEWACHEM | DEWA Chemical Analysis | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FECAL | Fecal Coliform | #/100ml | Total | Estimated | | | | | 9222-D | |
| TURBID | Turbidity | NTU | | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| DEWAMSR | DEWA Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CONDUCT | Specific conductance | uS/cm | | Actual | | | | | | |
| DISCHARG | Flow | cfs | | Calculated | Mean | | 1 Day | | FLOW | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.50000 - 100,000.00000 cfs | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| H20TEMP | Temperature, water | deg C | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIXCHEM | Chemistry Sites - Sampled | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.2(C) | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| CHLORO A | Chlorophyll (a+b+c) | mg/m3 | Total | Actual | | | | | 10200-H | |
| DISS P | Phosphorus as P | mg/l | Dissolved | Actual | | | | | US EPA 365.1 | |
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| E COLI | Escherichia coli | #/100ml | Total | Actual | Mean | | | | 1103_1 | |
| ENTERO | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| HARDNESS | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.1 | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 300(A) | |
| NITRITE | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | 300(A) | |
| NO2NO3 N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.02000 - 10.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ORTHO P | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | 365.2 | |
| PHEOPHYT | Pheophytin-a | mg/m3 | Total | Actual | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | 160.1_M | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |
| TOTAL CHL | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | USEPA 445.0 | |
| | Acceptable Range | 0.51000 - 50.00000 ug/l | | | | | | | | |
| TOTAL P | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |
| TOTALCOL | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2_M | |
| TURBID | Turbidity | NTU | | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIXSITE | Chemistry Sites - Field Measmt | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CONDUCT | Specific conductance | umho/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| DOSAT% | Dissolved oxygen (DO) | % | | Calculated | | | | | | |
| DOSATVAL | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | | | | | | |
| FLOW | Flow | cfs | | Calculated | | | | | FLOW | |
| GAGE HT | Elevation, water surface, MSL | ft | | Actual | | | | | | |
| H20TEMPC | Temperature, water | deg C | | Actual | | | | | 2550 | |
| H20TEMPF | Temperature, water | deg F | | Calculated | | | | | 2550 | |
| PH | pH | None | | Actual | | | | | 4500-H | |

Characteristic Group Details

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31DRBCSP

Delaware River Basin Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| UPDECHEM | UPDE Chemical Analysis | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FECAL | Fecal Coliform | #/100ml | Total | Estimated | | | | | 9222-D | |
| TURBID | Turbidity | NTU | | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| UPDEMSR | UPDE Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CONDUCT | Specific conductance | uS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| GAGEHT | Elevation, water surface, MSL | ft | | Actual | | | | | | |
| H2OTEMP | Temperature, water | deg C | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |

Characteristic Group Details

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31ISC2RS

Interstate Sanitation Commission

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 45646 | GJHGLGG | Field Msr/Obs | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

Description HJBKJHJDFD

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2397 | Floating debris - severity (choice list) | | | | | | | | | |
| 2860 | Salinity | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| 3453 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 5786 | Depth | m | | Actual | | | | | ISC-SOP-40 | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |
| 6786 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| | Sea Waves Severity | | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CCCC | CATILYN | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth | ft | | Actual | | | | | ISC-SOP-40 | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| 2 | Depth, Secchi Disk Depth | ft | | Actual | | | | | ISC-SOP-55 | |
| | Temperature, water | | | | | | | | | |
| | Salinity | | | | | | | | | |
| | Sea Waves Severity | | | | | | | | | |
| | Dissolved oxygen (DO) | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Floating debris - severity (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------|---|--------|--------|-----------|--------------|---------|
| PATH01 | Pathogen data | Field Msr/Obs | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Salinity | ppt | | Actual | | | | | 2520-B | |
| | Acceptable Range | 0.00000 - 100.00000 ppt | | | | | | | | |
| 2 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| 3 | Cloud cover | % | | Estimated | | | | | ISC-SOP-39 | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| 4 | Sea Waves Severity | | | | | | | | ISC-SOP-38 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PATH02 | Pathogen Source Monitoring | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | pH | None | | Actual | | | | | | |
| 2 | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| PATH07 | Pathogen Monitoring | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Fecal Coliform | MPN | | Actual | | | | | SOP XI | |
| 2 | Total Coliform | MPN | | Actual | | | | | SOP XI | |
| 3 | Enterococcus Group Bacteria | MPN | | Actual | | | | | SOP XIA | |
| 4 | Escherichia coli | MPN | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| PATHOGEN | Pathogen Sampling | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Fecal Coliform | MPN | | Estimated | MPN | | | | SOP XI | |
| | Acceptable Range | 0.00000 - 24,000,000.00000 MPN | | | | | | | | |
| 2 | Total Coliform | MPN | | Estimated | MPN | | | | SOP XI | |
| | Acceptable Range | 0.00000 - 24,000,000.00000 MPN | | | | | | | | |
| 3 | Fecal Streptococcus Group Bacteria | MPN | | Estimated | MPN | | | | SOP XIA | |
| | Acceptable Range | 0.00000 - 24,000,000.00000 MPN | | | | | | | | |
| 4 | Enterococcus Group Bacteria | MPN | | Estimated | MPN | | | | SOP XIA | |
| | Acceptable Range | 0.00000 - 24,000,000.00000 MPN | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| W-Q-M | Water quality measurements | Field Msr/Obs | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

Description Values for dissolved oxygen, salinity, temperature, depth, bottom depth, floating debris, sea waves and cloud cover.

Characteristic Group Details

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31ISC2RS Interstate Sanitation Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth Acceptable Range | m 0.00000 - 100.00000 m | | Actual | | | | | ISC-SOP-40 | |
| 2 | Temperature, water Acceptable Range | deg C 0.00000 - 100.00000 deg C | | Actual | | | | | 170.1 | |
| 3 | Salinity Acceptable Range | ppt 0.00000 - 100.00000 ppt | Total | Actual | | | | | 2520-B | |
| 4 | Dissolved oxygen (DO) Acceptable Range | mg/l 0.00000 - 15.00000 mg/l | Dissolved | Actual | | | | | 360.1 | |
| 5 | Cloud cover Acceptable Range | % 0.00000 - 100.00000 % | | Estimated | | | | | | |
| 6 | Sea Waves Severity | | | | | | | | | |
| 7 | Floating debris - severity (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|---|--------|--------|-----------|--------------|---------|
| W-Q-M-2 | Chlorophyll a | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| | Description | Chlorophyll a determination | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOROPH | Chlorophyll a, uncorrected for pheophytin Acceptable Range | ug/l 0.00000 - 100.00000 ug/l | Total | Actual | | | | | 10200-H | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|---|--------|--------|-----------|--------------|---------|
| W-Q-M-3 | Water Quality Measurements | Field Msr/Obs | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

Characteristic Group Details

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Interstate Sanitation Commission

Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth | m | | Actual | | | | | ISC-SOP-40 | |
| | Acceptable Range | 0.00000 - 200.00000 m | | | | | | | | |
| 2 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 3 | Salinity | ppt | Total | Actual | | | | | 2520-B | |
| | Acceptable Range | 0.00000 - 100.00000 ppt | | | | | | | | |
| 4 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.1 | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 5 | Cloud cover | % | | Estimated | | | | | ISC-SOP-39 | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| 6 | Sea Waves Severity | | | | | | | | ISC-SOP-38 | |
| 7 | Depth, Secchi Disk Depth | m | | Actual | | | | | ISC-SOP-55 | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| W-Q-M-HR | Water Quality Field Parameters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | | |
| 2 | Salinity | ppt | | Actual | | | | | | |
| 3 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 4 | pH | None | | Actual | | | | | | |
| 5 | Depth, Secchi Disk Depth | ft | | Actual | | | | | ISC-SOP-55 | |

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Ohio River Sanitation Commission

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACTPAR | Bacteria Parameters | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Fecal Coliform Acceptable Range | CFU | Filterable | Calculated | | | | | 9222D | 9222D |
| 2 | Escherichia coli Acceptable Range | CFU | Filterable | Calculated | | | | | 9213D | 9213D |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CLEANMET | Clean Metals Parameters | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Magnesium Acceptable Range | mg/l | Total | Actual | | | | | 1638 | |
| 10 | Aluminum Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| 11 | Barium Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| 12 | Chromium Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| 13 | Nickel Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| 14 | Selenium Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| 15 | Silver Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| 16 | Antimony Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |

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Ohio River Sanitation Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 17 | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 1638 | |
| | | 1.00000 - 100.00000 mg/l | | | | | | | | |
| 18 | Thallium Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| | | 0.10000 - 2.00000 ug/l | | | | | | | | |
| 19 | Hardness, carbonate Acceptable Range | mg/l | Total | Calculated | | | | | 1638 | |
| | | 6.00000 - 400.00000 mg/l | | | | | | | | |
| 2 | Cadmium Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| | | 0.10000 - 5.00000 ug/l | | | | | | | | |
| 20 | Magnesium Acceptable Range | mg/l | Dissolved | Actual | | | | | 1638 | |
| | | 1.00000 - 40.00000 mg/l | | | | | | | | |
| 21 | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 0.10000 - 2.00000 ug/l | | | | | | | | |
| 22 | Copper Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 0.10000 - 15.00000 ug/l | | | | | | | | |
| 23 | Iron Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 50.00000 - 200.00000 ug/l | | | | | | | | |
| 24 | Lead Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 0.10000 - 2.00000 ug/l | | | | | | | | |
| 25 | Manganese Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 0.10000 - 1,000.00000 ug/l | | | | | | | | |
| 26 | Mercury Acceptable Range | ng/l | Dissolved | Actual | | | | | 245.1 | |
| | | 1.50000 - 10.00000 ng/l | | | | | | | | |
| 27 | Zinc Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 1.00000 - 25.00000 ug/l | | | | | | | | |
| 28 | Arsenic Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 0.10000 - 10.00000 ug/l | | | | | | | | |
| 29 | Aluminum Acceptable Range | ug/l | Dissolved | Actual | | | | | 1638 | |
| | | 1.00000 - 60.00000 ug/l | | | | | | | | |
| 3 | Copper Acceptable Range | ug/l | Total | Actual | | | | | 1638 | |
| | | 0.10000 - 50.00000 ug/l | | | | | | | | |
| 30 | Barium | ug/l | Dissolved | Actual | | | | | 1638 | |

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Ohio River Sanitation Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 10.00000 - 200.00000 ug/l | | | | | | | | |
| 31 | Chromium | ug/l | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 1.00000 - 5.00000 ug/l | | | | | | | | |
| 32 | Nickel | ug/l | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 0.10000 - 20.00000 ug/l | | | | | | | | |
| 33 | Selenium | ug | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 0.50000 - 10.00000 ug | | | | | | | | |
| 34 | Silver | ug | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 0.10000 - 3.00000 ug | | | | | | | | |
| 35 | Antimony | ug/l | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 0.50000 - 2.00000 ug/l | | | | | | | | |
| 36 | Calcium | mg/l | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 1.00000 - 100.00000 mg/l | | | | | | | | |
| 37 | Thallium | ug/l | Dissolved | Actual | | | | | 1638 | |
| | Acceptable Range | 0.10000 - 2.00000 ug/l | | | | | | | | |
| 38 | Hardness, carbonate | mg/l | Dissolved | Calculated | | | | | 1638 | |
| | Acceptable Range | 6.00000 - 400.00000 mg/l | | | | | | | | |
| 4 | Iron | ug/l | Total | Actual | | | | | 1638 | |
| | Acceptable Range | 50.00000 - 40,000.00000 ug/l | | | | | | | | |
| 5 | Lead | ug/l | Total | Actual | | | | | 1638 | |
| | Acceptable Range | 0.10000 - 90.00000 ug/l | | | | | | | | |
| 6 | Manganese | ug/l | Total | Actual | | | | | 1638 | |
| | Acceptable Range | 0.10000 - 4,000.00000 ug/l | | | | | | | | |
| 7 | Mercury | ng/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 1.50000 - 150.00000 ng/l | | | | | | | | |
| 8 | Zinc | ug/l | Total | Actual | | | | | 1638 | |
| | Acceptable Range | 1.00000 - 250.00000 ug/l | | | | | | | | |
| 9 | Arsenic | ug/l | Total | Actual | | | | | 1638 | |
| | Acceptable Range | 0.10000 - 15.00000 ug/l | | | | | | | | |

Characteristic Group Details

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Ohio River Sanitation Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NUTRIENT | Nutrient Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Ammonia, unionized Acceptable Range | mg/l 0.03000 - 1.00000 mg/l | Total | Actual | | | | | 350.3 | |
| 2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N Acceptable Range | mg/l 0.02000 - 10.00000 mg/l | Total | Actual | | | | | | |
| 3 | Phosphorus Acceptable Range | mg/l 0.01000 - 1.00000 mg/l | Total | Actual | | | | | 365.3 | |
| 4 | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.20000 - 20.00000 mg/l | Total | Actual | | | | | 4500-NOR(B) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PARAM | final parameters Bimonthly | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Solids, Total Suspended (TSS) Acceptable Range | mg/l 1.00000 - 500.00000 mg/l | Suspended | Actual | | | | | 160.2 | |
| 10 | Cadmium Acceptable Range | ug/l 0.50000 - 10.00000 ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| 11 | Copper Acceptable Range | ug/l 5.00000 - 30.00000 ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| 12 | Iron Acceptable Range | ug/l 100.00000 - 100,000.00000 ug/l | Total | Actual | | | | | 200.7 | 200.2 |
| 13 | Lead Acceptable Range | ug/l 1.00000 - 20.00000 ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| 14 | Manganese | ug/l | Total | Actual | | | | | 200.8 | 200.2 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 10.00000 - 1,500.00000 ug/l | | | | | | | | |
| 15 | Mercury | ug/l | Total | Actual | | | | | 245.1 | 245.1 |
| | Acceptable Range | 0.20000 - 2.00000 ug/l | | | | | | | | |
| 16 | Zinc | ug/l | Total | Actual | | | | | 200.8 | |
| | Acceptable Range | 20.00000 - 500.00000 ug/l | | | | | | | | |
| 17 | Arsenic | ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| | Acceptable Range | 4.00000 - 10.00000 ug/l | | | | | | | | |
| 18 | Aluminum | ug/l | Total | Actual | | | | | 200.7 | |
| | Acceptable Range | 100.00000 - 50,000.00000 ug/l | | | | | | | | |
| 19 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| | Acceptable Range | 1.00000 - 300.00000 mg/l | | | | | | | | |
| 2 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 8051 | |
| | Acceptable Range | 1.00000 - 300.00000 mg/l | | | | | | | | |
| 20 | Barium | ug/l | Total | Actual | | | | | 200.7 | 200.2 |
| | Acceptable Range | 20.00000 - 300.00000 ug/l | | | | | | | | |
| 21 | Chromium | ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| | Acceptable Range | 2.00000 - 10.00000 ug/l | | | | | | | | |
| 22 | Nickel | ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| | Acceptable Range | 5.00000 - 20.00000 ug/l | | | | | | | | |
| 23 | Selenium | ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| | Acceptable Range | 4.00000 - 10.00000 ug/l | | | | | | | | |
| 24 | Silver | ug/l | Total | Actual | | | | | 200.8 | 200.2 |
| | Acceptable Range | 0.50000 - 20.00000 ug/l | | | | | | | | |
| 25 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500CR D | 3500CR D |
| | Acceptable Range | 10.00000 - 15.00000 ug/l | | | | | | | | |
| 26 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| | Acceptable Range | 0.50000 - 30.00000 mg/l | | | | | | | | |
| 27 | pH | None | Total | Actual | | | | | 8156 | |
| | Acceptable Range | 1.00000 - 14.00000 None | | | | | | | | |
| 28 | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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31ORWUNT

Ohio River Sanitation Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 29 | Specific conductance | umho/cm | | Actual | | | | | | |
| 3 | Hardness, carbonate | mg/l | Total | Actual | | | | | 130.2 | |
| | Acceptable Range | 1.00000 - 600.00000 mg/l | | | | | | | | |
| 30 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 31 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| | Acceptable Range | 0.20000 - 20.00000 mg/l | | | | | | | | |
| 4 | Phosphorus | mg/l | Total | Actual | | | | | 365.3 | |
| | Acceptable Range | 0.01000 - 1.00000 mg/l | | | | | | | | |
| 5 | Ammonia, unionized | mg/l | Total | Actual | | | | | 350.3 | |
| | Acceptable Range | 0.03000 - 1.00000 mg/l | | | | | | | | |
| 6 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.02000 - 10.00000 mg/l | | | | | | | | |
| 7 | Phenols (mixture) | ug/l | Total | Actual | | | | | 420.1 | |
| | Acceptable Range | 5.00000 - 15.00000 ug/l | | | | | | | | |
| 8 | Cyanide | mg/l | Total | Actual | | | | | 325.3 | |
| | Acceptable Range | 0.00500 - 0.10000 mg/l | | | | | | | | |
| 9 | Magnesium | mg/l | Total | Actual | | | | | 200.7 | 200.2 |
| | Acceptable Range | 0.10000 - 50.00000 mg/l | | | | | | | | |

Characteristic Group Details

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42SRBCWQ Susquehanna River Basin Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLD01 | Standard Field Analysis 01 | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | TEMP-FLD | |
| 00061 | Flow | cfs | | Actual | | | | | USGS-FLOW | |
| 00094 | Specific conductance | umho/cm | Total | Actual | | | | | SPCOND-FLD | |
| 00295 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | DO-FLD | |
| 00400 | pH | None | Total | Actual | | | | | PH-FLD | |
| | Acceptable Range | 1.00000 - 14.00000 | None | | | | | | | |
| 00410 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | ALK-FLD | |
| 00435 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | ACID-FLD | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| SAC-685 | Standard Analysis 685 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00500 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2_M | |
| 00515 | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1_M | |
| 00600 | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | 4500-N-D | |
| 00602 | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Dissolved | Actual | | | | | 4500-N-D | |
| 00608 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | |
| 00610 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 00613 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |

Characteristic Group Details

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42SRBCWQ

Susquehanna River Basin Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00100 - 10.00000 mg/l | | | | | | | | |
| 00615 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 354.1 | |
| 00618 | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 352.1 | |
| | Acceptable Range | 0.00100 - 20.00000 mg/l | | | | | | | | |
| 00620 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 352.1 | |
| | Acceptable Range | 0.00100 - 20.00000 mg/l | | | | | | | | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | |
| 00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.3 | |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.2 | |
| 00916 | Calcium | mg/l | Total | Actual | | | | | 215.2 | |
| 00927 | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01056 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01106 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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ALO

Alliance For A Living Ocean

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BBCG-01 | Barnegat Bay Water Monitoring | Field Msr/Obs | Water | | | | N |

Citations Carol Elliott, 1995, Monitoring Protocols for the Barnegat Bay Watch Monitoring Program, Alliance for a Living Ocean, 27 pp
Description +This is a group of direct measurements & observation which are performed bi-monthly at each station included in the BB water monitoring project.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth, Secchi Disk Depth | ft | | Actual | | | | | TRANS-1 | |
| | Acceptable Range | 0.00000 - 20.00000 ft | | | | | | | | |
| 2 | Depth | ft | | Actual | | | | | BOTTOM-1 | |
| | Acceptable Range | 0.00000 - 20.00000 ft | | | | | | | | |
| 3 | Temperature, water | deg C | | Actual | | Wet | | | TEMP-1 | |
| | Acceptable Range | 0.00000 - 45.00000 deg C | | | | | | | | |
| 4 | pH | None | Total | Actual | | | | | PH-1 | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 5 | Salinity | ppt | Total | Actual | | | | | SALINITY-1 | |
| | Acceptable Range | 0.00000 - 43.60000 ppt | | | | | | | | |
| 6 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | DO-1 | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |

Characteristic Group Details

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AQUINNAH Wampanoag Tribe of Gay Head (Aquinnah) - Massachusetts

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHEMICAL | Variety of Chemical analysis | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COD | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 8000 | |
| | Acceptable Range | 1.00000 - 15,000.00000 mg/l | | | | | | | | |
| NH3-N | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | NH3-N | |
| | Acceptable Range | 0.00100 - 1.00000 mg/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 8507 | |
| | Acceptable Range | 0.00100 - 1.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | NITRATE-N | |
| | Acceptable Range | 0.01000 - 2.00000 mg/l | | | | | | | | |
| PO4-P | Phosphorus, hydrolyzable as PO4 | mg/l | Total | Actual | | | | | 8048 | |
| | Acceptable Range | 0.00500 - 2.00000 mg/l | | | | | | | | |
| SIO2 | Silicon as SiO2 | mg/l | Total | Actual | | | | | SILICA | |
| | Acceptable Range | 0.00500 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHL-A | Chlorophyll-A, and Algae Bioma | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CHL-A | Chlorophyll/Pheophytin ratio | ppb | Total | Calculated | | | | | CHLOROPHYL L-A | |
| | Acceptable Range | 1.00000 - 100.00000 ppb | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| MICRO | bacterial sampling | Sample | Water | | | | N |

Characteristic Group Details

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AQUINNAH

Wampanoag Tribe of Gay Head (Aquinnah) - Massachusetts

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ECOLI | Fecal Coliform | cfu/100ml | Total | Actual | | | | | IDEXX | |
| | Acceptable Range | 0.10000 - 2,000.00000 cfu/100ml | | | | | | | | |
| ENT | Enterococcus Group Bacteria | cfu/100ml | Total | Actual | | | | | ENTEROCOCC US | |
| | Acceptable Range | 0.90000 - 2,000.00000 cfu/100ml | | | | | | | | |
| TC | Total Coliform | cfu/100ml | Total | Actual | | | | | IDEXX | |
| | Acceptable Range | 0.10000 - 2,000.00000 cfu/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| YSI METE | YSI 6600 water quality meter | Data Logger | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | | | Actual | | | | | | |
| | Dissolved oxygen saturation | | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Turbidity | | | Actual | | | | | | |

Characteristic Group Details

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ARDEQH20

Arkansas Dept. of Environmental Quality

| | | | | | | | |
|-----------------|--------------------|---|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACTERIA | Bacteriology | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| | Description | Fecal coliform | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| EFC | Fecal Coliform | #/100ml | | Estimated | | | | | 9222-D | |
| FC | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |

| | | | | | | | |
|-----------------|-------------------------------|--|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| D_METALS | Water Chemistry, Diss. Metals | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| | Description | We analyze all ambient monitoring samples for the first 20 metals included in this group. Other metals can be included in the analysis and included in this group. Hardness is calculated from Ca and Mg. It is in the Water Chemistry, routine group. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| AL | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 16.00000 - 2,000.00000 ug/l | | | | | | | | |
| AR | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 1.00000 - 10.00000 ug/l | | | | | | | | |
| B | Boron | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 30.00000 ug/l | | | | | | | | |
| BA | Barium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 4.00000 - 826.00000 ug/l | | | | | | | | |
| BE | Beryllium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.11000 - 1.00000 ug/l | | | | | | | | |
| CA | Calcium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.05000 - 500.00000 mg/l | | | | | | | | |

Characteristic Group Details

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Arkansas Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CD | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CO | Cobalt Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CR | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CU | Copper Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| FE | Iron Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| HNS | Hardness, Ca + Mg | mg/l | Dissolved | Actual | | | | | | |
| K | Potassium Acceptable Range | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| MG | Magnesium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| MN | Manganese Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| MO | Molybdenum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| NA | Sodium Acceptable Range | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| NI | Nickel Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| PB | Lead Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| SB | Antimony | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| SE | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| SI | Silica | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| TL | Thallium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| V | Vanadium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| ZN | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 1,250.00000 ug/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
|----------|--------------------|---|--------|--------|-----------|--------------|---------|--|--|--|--|
| FIELD | Field Parameters | Sample | Water | | | | N | | | | |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | | | | |
| | Description | The parameters in this group are measured in the field by the field inspector or sampler. They include DO, pH, air temperature, and water temperature. | | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| AT | Temperature, air | deg C | | Actual | | | | | 2550 | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | | |
| | Acceptable Range | 0.00000 - 16.00000 mg/l | | | | | | | | | |
| PH | pH | None | | Actual | | | | | 4500-H | | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | | |
| WT | Temperature, water | deg C | | Actual | | | | | 2550 | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW | Discharge | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FL | Flow | cfs | | Calculated | | | | | | |
| GAUGE | Stream condition (text) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| H2OPEST | Water Pesticides (1999) | Sample | Water | | | | N |

Characteristic Group Details

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Arkansas Dept. of Environmental Quality

Citations USEPA, 1994, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, Final Update II., USEPA, SW-846_II

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Molinate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 10 | BHC-beta | ug/l | Total | Actual | | | | | 8270C(W) | |
| 11 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 8270C(W) | |
| 12 | Terbutylazine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 13 | Diazinon | ug/l | Total | Actual | | | | | 8270C(W) | |
| 14 | Fluchloralin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 15 | Fonofos | ug/l | Total | Actual | | | | | 8270C(W) | |
| 16 | BHC-delta | ug/l | Total | Actual | | | | | 8270C(W) | |
| 17 | Cyprazine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 18 | Metribuzin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 19 | Methyl parathion | ug/l | Total | Actual | | | | | 8270C(W) | |
| 2 | Propachlor | ug/l | Total | Actual | | | | | 8270C(W) | |
| 20 | Alachlor | ug/l | Total | Actual | | | | | 8270C(W) | |
| 21 | Ametryne | ug/l | Total | Actual | | | | | 8270C(W) | |
| 22 | Prometryn | ug/l | Total | Actual | | | | | 8270C(W) | |
| 23 | Heptachlor | ug/l | Total | Actual | | | | | 8270C(W) | |
| 24 | Terbutryn | ug/l | Total | Actual | | | | | 8270C(W) | |
| 25 | Metolachlor | ug/l | Total | Actual | | | | | 8270C(W) | |
| 26 | Malathion | ug/l | Total | Actual | | | | | 8270C(W) | |
| 27 | Chloropyrifos | ug/l | Total | Actual | | | | | 8270C(W) | |
| 28 | Cyanazine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 29 | Aldrin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 3 | Trifluralin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 30 | Pendimethalin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 31 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 8270C(W) | |
| 32 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 8270C(W) | |

Characteristic Group Details

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Arkansas Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 33 | DDE, p,p'- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 34 | Dieldrin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 35 | Endrin | ug/l | Total | Actual | | | | | 8270C(W) | |
| 36 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 37 | DDD, p,p'- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 38 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 8270C(W) | |
| 39 | DDT, p,p'- | ug/l | Total | Actual | | | | | 8270C(W) | |
| 4 | BHC-alpha | ug/l | Total | Actual | | | | | 8270C(W) | |
| 40 | Hexazinone | ug/l | Total | Actual | | | | | 8270C(W) | |
| 41 | Methoxychlor | ug/l | Total | Actual | | | | | 8270C(W) | |
| 42 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 43 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 44 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 45 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 46 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 47 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 8270C(W) | |
| 48 | Chlordane | ug/l | Total | Actual | | | | | 8270C(W) | |
| 5 | Atraton | ug/l | Total | Actual | | | | | 8270C(W) | |
| 6 | Prometone | ug/l | Total | Actual | | | | | 8270C(W) | |
| 7 | Simazine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 8 | Atrazine | ug/l | Total | Actual | | | | | 8270C(W) | |
| 9 | Propazine | ug/l | Total | Actual | | | | | 8270C(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| ICANIONS | Water Chemistry, Anions | Sample | Water | | | | N |
| Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | |

Characteristic Group Details

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ARDEQH20

Arkansas Dept. of Environmental Quality

Description We analyze all samples for bromide, fluoride, chlorides and sulfate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BR | Bromide | mg/l | Dissolved | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.03000 - 0.10000 mg/l | | | | | | | | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.03000 - 20.00000 mg/l | | | | | | | | |
| F | Fluorides | mg/l | Dissolved | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00500 - 0.20000 mg/l | | | | | | | | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.32000 - 20.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| LAKES | Lake Parameters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| CLORPHYL | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | in | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| ROUTINE | Water Chemistry, Routine | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

Description The parameters in this group are water quality parameters that are run on ambient monitoring and other routine (non-compliance) water samples as well as some of our compliance samples.

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ARDEQH20

Arkansas Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AL | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| AR | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| AT | Temperature, air | deg C | | Actual | | | | | | |
| B | Boron | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| BA | Barium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| BE | Beryllium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 5210-B | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |
| BR | Bromide | mg/l | Dissolved | Actual | | | | | 300(A) | |
| CA | Calcium | mg/l | Dissolved | Actual | | | | | | |
| CD | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 300(A) | |
| CO | Cobalt | ug/l | Dissolved | Actual | | | | | | |
| CR | Chromium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| CU | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 4500-O-G | |
| EFC | Fecal Coliform | #/100ml | Total | Estimated | | | | | | |
| F | Fluorides | mg/l | Dissolved | Actual | | | | | 300(A) | |
| FC | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| FE | Iron | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| FL | Flow | cfs | | Actual | | | | | | |
| GAUGE | Stream condition (text) | | | | | | | | | |
| HNS | Hardness, Ca + Mg | mg/l | Dissolved | Calculated | | | | | | |
| K | Potassium | mg/l | Dissolved | Actual | | | | | | |
| MG | Magnesium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |
| MN | Manganese | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| NA | Sodium | mg/l | Dissolved | Actual | | | | | 200.8(W) | |

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Arkansas Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NH3 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 4500-NH3(G) | |
| NI | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| O2SAT | Dissolved oxygen saturation | % | | Calculated | | | | | 4500-O-G | |
| | Acceptable Range | 0.00000 - 125.00000 % | | | | | | | | |
| PB | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| PH | pH | None | Total | Actual | | | | | | |
| PO4 | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | | |
| SE | Selenium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| SI | Silica | mg/l | Dissolved | Actual | | | | | | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 300(A) | |
| TDS | Solids, Total Suspended (TSS) | mg/l | Filterable | Actual | | | | | 2540-C | |
| | Acceptable Range | 18.00000 - 3,000.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| | Acceptable Range | 0.50000 - 50.00000 mg/l | | | | | | | | |
| TP | Phosphorus as P | mg/l | | Actual | | | | | | |
| TRB | Turbidity | NTU | | Actual | | | | | 2130 | |
| | Acceptable Range | 0.10000 - 1,000.00000 NTU | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 2540-D | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| V | Vanadium | ug/l | Dissolved | Actual | | | | | | |
| WT | Temperature, water | deg C | | Actual | | | | | 2550 | |
| ZN | Zinc | ug/l | Dissolved | Actual | | | | | | |

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AWQDECJN Alaska Dept. of Environmental Conservation

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| AAAMAPCO | aaa mapco express sept 2000 | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BTEX | Benzene, Toluene, Ethyl Benzene, Xylenes mix (BTEX) | ug/l | Total | Actual | | | | | | |
| DRO | Diesel range organics | mg/l | Total | Actual | | | | | | |
| GRO | Gasoline range organics | mg/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|---------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| AURORA | aurora extra total fields | Field Msr/Obs | Water | | | | N |

Description btex, grph as gro, drph as dro

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ARSENIC | Arsenic | mg/l | Total | Actual | | | | | | |
| CHROMIM | Chromium | mg/l | Total | Actual | | | | | | |
| DRO | Diesel range organics | mg/l | Total | Actual | | | | | | |
| GRO | Gasoline range organics | mg/l | Total | Actual | | | | | | |
| LED | Lead | mg/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BTEX | BTEX- ben, tol, ethben, xle | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENZENE | Benzene | ppb | Total | Actual | | | | | | |
| ETHYLBEN | Ethylbenzene | ppb | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TOLUENE | Toluene | ppb | Total | Actual | | | | | | |
| XYLENES | Xylenes mix of m + o + p | ppb | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| BTEX MG | BTEX milligrams/L | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENZENE | Benzene | mg/l | Total | Actual | | | | | | |
| ETHYLBEN | Ethylbenzene | mg/l | Total | Actual | | | | | | |
| TOLUENE | Toluene | mg/l | Total | Actual | | | | | | |
| XYLENES | Xylenes mix of m + o + p | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BTEX MIC | Ben,Tol,Ethben,Xyl Microgram/L | Field Msr/Obs | Water | | | | N |

Description Benzene, Toluene, Ethylbenzene, and Xylene in Microgram/Liter

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENZENE | Benzene | ug/l | Total | Actual | | | | | | |
| ETHYLBEN | Ethylbenzene | ug/l | Total | Actual | | | | | | |
| TOLUENE | Toluene | ug/l | Total | Actual | | | | | | |
| XYLENES | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BTRUS | bentley trust-Ben,cis1,2; 1,1, | Field Msr/Obs | Water | | | | N |

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Description benzene; cis-1,2-Dichloroethene; 1,1,1-Trichloroethane; Trichloroethene; Tetrachlorethene

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENZENE | Benzene | ug/l | | Actual | | | | | | |
| CISDICHY | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | | Actual | | | | | | |
| DICHETR1 | Dichloroethene, trans-1,2- | ug/l | | Actual | | | | | | |
| DICHLROE | Dichloroethane, 1,1- | ug/l | | Actual | | | | | | |
| NAPHTH | Naphthalene | ug/l | Total | Actual | | | | | | |
| TETCHETY | Tetrachloroethylene | ug/l | | Actual | | | | | | |
| TRICHA11 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | | |
| TRICHEYL | Trichloroethylene | ug/l | | Actual | | | | | | |
| TRICHFLM | Trichlorofluoromethane | ug/l | | Actual | | | | | | |
| VINYLCHL | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| CARRS | carrs voc pah | Field Msr/Obs | Water | | | | N |

Description isprop->phnanthrene

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACENAP | Acenaphthene | ug/l | | Actual | | | | | | |
| BUTBENSE | Butylbenzene, sec- | ug/l | | Actual | | | | | | |
| CUMENE | Cumene | ug/l | Total | Actual | | | | | | |
| CYMENE | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | | |
| DIBEN | Dibenzofuran | ug/l | | Actual | | | | | | |
| FLOR | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | | |
| MNAP2 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NAPTH | Naphthalene | ug/l | Total | Actual | | | | | | |
| NPROP | Propylbenzene, n- | ug/l | Total | Actual | | | | | | |
| PHENANT | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | | |
| TRIB124 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | | |
| TRIB135 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------|-----------------------|--------|--------|-----------|--------------|---------|
| DEPTH_TOW | Depth to water | Field Msr/Obs | Water | | | | N |
| Description | | Depth to water in ft. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WLEVWELL | Water level in well, measured from MSL | ft | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-----------------------|---|--------|--------|-----------|--------------|---------|
| DEPTH_FT | Water Table Elevation | Field Msr/Obs | Water | | | | N |
| Description | | Describes water table elevation and includes the way it was measured. Includes land surface elevation and ground water surface elevation. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ELEVMSL | Elevation, MSL | ft | | Estimated | | | | | | |
| ELEVWSMS | Elevation, water surface, MSL | ft | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| DRO | Diesel Range Organics | Field Msr/Obs | Water | | | | N |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| EDB | Ethylene dibromide (EDB) | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| EDC | 1,2-Dichloroethane (EDC) | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| ELEVEST | Elevations relative to referen | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ELEVMSL | Elevation, MSL | ft | | Estimated | | | | | | |
| ELEVWS | Elevation, water surface, MSL | ft | | Estimated | | | | | | |
| WLEVWELL | Water level in well, measured from MSL | ft | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FAIRVIE2 | Fairview2 | Field Msr/Obs | Water | | | | N |

Description sample depth, nitrate , sulfate, do, temp

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| WLEVVWELL | Water level in well, measured from MSL | ft | | Estimated | | | | | | |
| WTEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FAIRVIE3 | fairview 3 | Field Msr/Obs | Water | | | | N |

Description tce, trice, dicfm, dichlorofluoromethane

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DICDIFM | Dichlorodifluoromethane | ug/l | | Actual | | | | | | |
| TETRCE | Tetrachloroethylene | ug/l | | Actual | | | | | | |
| TRICE | Trichloroethylene | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| FAIRVIE4 | fairview 4 ppb | Field Msr/Obs | Water | | | | N |

Description tetrachloroethene, trichlorethene, dichlorodifluoromethane

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DICDIFM | Dichlorodifluoromethane | ppb | | Actual | | | | | | |
| TETCE | Tetrachloroethylene | ppb | | Actual | | | | | | |
| TRICE | Trichloroethylene | ppb | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FAIRVIE5 | fairview 5 mg/l | Field Msr/Obs | Water | | | | N | | | |
| Description measured O2, nitrate, ferrous iron, sulfate, methane | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FERROUSI | Iron, ferrous, Fe+2 | mg/l | Total | Actual | | | | | | |
| METHANE | Methane | mg/l | | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| O2 | Oxygen, (O2) | mg/l | Dissolved | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FAIRVIEW | fairview mp | Field Msr/Obs | Water | | | | N | | | |
| Description tetrach, trich,trans 1,2 dich, cis 1,2 dich, dichfluor | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CDCE | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | | |
| DICFM | Dichloromonofluoromethane | ug/l | Total | Actual | | | | | | |
| TCE | Tetrachloroethylene | ug/l | Total | Actual | | | | | | |
| TDCE | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | | |
| TRICE | Trichloroethylene | ug/l | Total | Actual | | | | | | |
| TRICFM | Trichlorofluoromethane | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELDWAT | Field Water Sample Analysis | Field Msr/Obs | Water | | | | N |
| temp, ph, cond, redox, do fe2+, no3-, so4/2- | | | | | | | |

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Description

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CONDSPEC | Specific conductance | mS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| IRONFERR | Iron, ferrous, Fe+2 | mg/l | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| ORP | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| TEMPWATE | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| GRNDCHEM | BTRUST GROUNDWATER CHEM | Field Msr/Obs | Water | | | | N |

Description Tot depth, depth to water, temp, conduct, ph, orp, Iron-ferr, total iron, do, sulfate, nitrates, alkalinity

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| FEFERROU | Iron, ferrous, Fe+2 | mg/l | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Calculated | | | | | | |
| ORP | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| SPCONDUC | Specific conductance | umho/cm | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| TEMPWATE | Temperature, water | deg C | | Actual | | | | | | |
| TOTFE | Iron | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| GRO | Gasoline RANGE organics | Field Msr/Obs | Water | | | | N |
| Description | | GRO mg/l | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| GRO | Gasoline range organics | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------------|-------------------------------|--------|--------|-----------|--------------|---------|
| GRODRO | GAS AND DIESEL RANGE ORGANICS | Field Msr/Obs | Water | | | | N |
| Description | | GRO and DRO Total, Water UG/L | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DRO | Diesel range organics | mg/l | Total | Actual | | | | | | |
| GRO | Gasoline range organics | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------------|---|--------|--------|-----------|--------------|---------|
| GWS_ELEV | Groundwater Surface Elevation | Field Msr/Obs | Water | | | | N |
| Description | | The groundwater surface elevation is best used for a water table. | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ELEVWSMS | Elevation, water surface, MSL | ft | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| HUTCH | hutchisons chevrolet chlor* | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOR | Chlorobenzene | ug/l | | Actual | | | | | | |
| DICHBENM | 1,3-Dichlorobenzene | ug/l | | Actual | | | | | | |
| DICHLOR | 1,2-Dichlorobenzene | ug/l | | Actual | | | | | | |
| DICHLPAR | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| INDICATO | Indicators of intrinsic biore | Field Msr/Obs | Water | | | | N |

Description Indicators of intrinsic bioremediation: temp, pH, SC, DO, Redox

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALKALINI | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | | |
| CO2 | Carbon dioxide | mg/l | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| IRONFERR | Iron, ferrous, Fe+2 | mg/l | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| ORP | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH | pH | None | | Actual | | | | | | |
| SC | Specific conductance | uS/cm | | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| TEMPERAT | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| MONSTER | Monster Misc WQ | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| IRONFRRO | Iron, ferrous, Fe+2 | mg/l | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| MSLUG | MSLUG 1 2000 | Field Msr/Obs | Water | | | | N |

Description mes pt., depth to w, water table elev., ph, temp, conduct, B,T,E,X,

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENZENE | Benzene | ug/l | | Actual | | | | | | |
| CONDUCTI | Specific conductance | uS/cm | | Actual | | | | | | |
| ELEVATIO | Elevation, MSL | ft | | Estimated | | | | | | |
| ELEVWS | Elevation, water surface, MSL | ft | | Actual | | | | | | |
| ETHYLBEN | Ethylbenzene | ug/l | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| TOLUENE | Toluene | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WLEVWELL | Water level in well, measured from MSL | ft | | Estimated | | | | | | |
| WTEMP | Temperature, water | deg C | | Actual | | | | | | |
| XYLENES | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------|--|--------|--------|-----------|--------------|---------|
| MSLUG2 | mslug august chlorinated | Field Msr/Obs | Water | | | | N |
| Description | | chloroform, naphthalene, tetrachloroethene, trichlorofluoromethane | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORO | Chloroform | ug/l | | Actual | | | | | | |
| NAPHTH | Naphthalene | ug/l | Total | Actual | | | | | | |
| TETRACHL | Tetrachloroethylene | ug/l | | Actual | | | | | | |
| TRICHL | Trichlorofluoromethane | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| MSLUGMIN | chlorinated 4 | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLBROM | Chlorodibromomethane | ug/l | | Actual | | | | | | |
| CHLORE | Chloroethane | ug/l | | Actual | | | | | | |
| DICHE12 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | | |
| DICHLOR | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DICHM | Dichloromethane | ug/l | Total | Actual | | | | | | |
| TCE1122 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | | |
| TETRCHLY | Tetrachloroethylene | ug/l | | Actual | | | | | | |
| TRI111 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | | |
| TRICHLEY | Trichloroethylene | ug/l | | Actual | | | | | | |
| TRICHLOR | Trichlorofluoromethane | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| NCMACHIN | nc machinery test | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOROFO | Chloroform | ppm | | Actual | | | | | | |
| TETRACHL | Tetrachloroethylene | ppm | | Actual | | | | | | |
| TRICHETH | Trichloroethylene | ppm | Total | Actual | | | | | | |
| TRICHLOR | Trichloroethane | ppm | | Actual | | | | | | |
| XYLENES | Xylenes mix of m + o + p | ppm | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| NITRATE | Nitrate Field mg/l | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| NORTHSID | northside VOCs | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BUTBENT | Butylbenzene, tert- | ug/l | Total | Actual | | | | | | |
| CUMENE | Cumene | ug/l | Total | Actual | | | | | | |
| CYMENE | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | | |
| DICHLOR1 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | | |
| ETHDIB | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | | |
| NAPTH | Naphthalene | ug/l | Total | Actual | | | | | | |
| PROPBENN | Propylbenzene, n- | ug/l | Total | Actual | | | | | | |
| TRIMBEN | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | | |
| TRIMETHB | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | | |

| | | | | | | | |
|-----------------|------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PAHANALY | PAH Analytical Results | Field Msr/Obs | Water | | | | N |

Description Polynuclear Aromatic Hydrocarbons (8270)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACENAP | Acenaphthene | ug/l | | Actual | | | | | | |
| ACENAPHT | Acenaphthylene | ug/l | | Actual | | | | | | |
| BENZOAN | Benzo[a]anthracene | ug/l | | Actual | | | | | | |
| BENZOAPY | Benzo[a]pyrene | ug/l | | Estimated | | | | | | |
| BENZONGH | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | | |
| CHRYSENE | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | | |
| FLUORANT | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | | |
| FLUORENE | Fuorenes, C1-C3 | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NAPHTHAL | Naphthalene | ug/l | Total | Actual | | | | | | |
| PHENANTH | Phenanthrenes, C1-C4 | ug/l | Total | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| TCE/TCA | TCE/TCA | Field Msr/Obs | Water | | | | N |

Description Trichloroethylene (TCE), 1,1,1 Trichloroethane (TCA)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Trichloroethylene | ug/l | Total | Actual | | | | | | |
| | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| TETRATRI | Tetrachloroethene Trichloro | Field Msr/Obs | Water | | | | N |

Description Tetrachloroethene and Trichloroethylene

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOET | Chloroethane | ug/l | | Actual | | | | | | |
| CUMENE | Cumene | ug/l | Total | Actual | | | | | | |
| CYMENE | Cymene ***retired***(use p-Cymene) | ug/l | Total | Actual | | | | | | |
| DIBROMET | Dibromomethane | ug/l | | Actual | | | | | | |
| DICHE12 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | | |
| DICHETHC | Dichloroethylene, cis-1,2- ***retired***(use CIS-1,2-DICHLO) | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DICHM | Dichloromethane | ug/l | Total | Actual | | | | | | |
| METCHL | Methyl chloride | ug/l | | Actual | | | | | | |
| NAPHTHAL | Naphthalene | ug/l | Total | Actual | | | | | | |
| NPROPB | Propylbenzene, n- | ug/l | Total | Actual | | | | | | |
| TERACHYL | Tetrachloroethylene | ug/l | | Actual | | | | | | |
| TRIB135 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | | |
| TRIBEN12 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | | |
| TRICETHY | Trichloroethylene | ug/l | | Actual | | | | | | |
| TRICFM | Trichlorofluoromethane | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------|------------------------|--------|--------|-----------|--------------|---------|
| TRICHY | trichloroethylene | Field Msr/Obs | Water | | | | N |
| Description | | Trichloroethylene ug/l | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TRICHY | Trichloroethylene | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| ZZZALK | cod | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COD | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | | |

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| | | | | | | | |
|---------------------------|-----------------------------|--|------------------------|---------------|------------------|---------------------|---------------------|
| Group ID [BTEX] | Group Name BTEX | Field Activity Field Msr/Obs | Medium Water | Intent | Community | Result Group | Habitat N |
| | Description BTEX ppb | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| [BTEX] | Benzene, Toluene, Ethyl Benzene, Xylenes mix (BTEX) | mg/l | Total | Actual | | | | | | |

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BEAR_CRK

Bear Creek Reservoir (Colorado)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRBIO | Biological Character | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FEC | Fecal Coliform | #/100ml | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRFLDM | Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CON | Specific conductance | umho/cm | | Actual | | | | | COND | |
| DO | Oxygen, (O2) | mg/l | | Actual | | | | | DOMETR | |
| FLO | Flow | cm3/sec | | Actual | | | | | FLOMTR | |
| PH | pH | None | Total | Actual | | | | | PHMTR | |
| SEC | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| TEM | Temperature, water | deg C | | Actual | | | | | TEMP 001 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WATRNUTR | Nutrients | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMM | Nitrogen, ammonia (NH3) as NH3 | ug/l | Total | Actual | | | | | 350.2(A) | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | ug/l | Total | Actual | | | | | NO3 | |
| P4D | Phosphorus, orthophosphate as PO4 | ug/l | Dissolved | Actual | | | | | | |
| POD | Phosphorus | ug/l | Total | Actual | | | | | 365.A | |

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BEAR_CRK

Bear Creek Reservoir (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| POP | Phosphorus as P | ug/l | Filterable | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRPYS | Physical characteristics | Sample | Water | | | | N |
| WATRPROD | Productivity Measures | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHL | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | | |

Characteristic Group Details

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CADWR

California Department of Water Resources

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CADWR | test group | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1% LIGHT DEPTH | Light attenuation, depth at 99% | m | Total | Actual | | | | | CADWR-002 | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | 4500-CL(B) | |
| CHLOROPHYLL A | Chlorophyll a (probe) | ug/l | Total | Actual | | | | | 10200-H | |
| KJELDHL NITROGEN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |
| ORGANIC NITROGEN | Nitrogen, organic | mg/l | Dissolved | Actual | | | | | 351.3(A) | |
| OXYGEN | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.2 | |
| PHEOPHYTIN A | Pheophytin-a | ug/l | Total | Actual | | | | | 10200-H | |
| PHOSPHORUS | Phosphorus | mg/l | Total | Actual | | | | | 4500-P-D | |
| SECCHI | Depth, Secchi Disk Depth | cm | | Actual | | | | | CADWR-006 | |
| SOLIDS | Solids, Total | mg/l | Suspended | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DWRFIELD | field | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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CAPECRD

City of Cape Coral (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-001 | Water Quality Field Data | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth, data-logger (ported) | m | | Actual | | | | | | |
| 10 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 2 | Temperature, water | deg C | | Actual | | | | | | |
| 3 | pH | None | | Actual | | | | | | |
| 4 | Specific conductance | mS/cm | | Actual | | | | | | |
| 5 | Salinity | ppt | Dissolved | Actual | | | | | | |
| 6 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 7 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |
| 8 | Velocity - stream | m/sec | | Actual | | | | | | |
| 9 | Turbidity | NTU | | Actual | | | | | | |
| DEPTH | Depth | m | | Actual | | | | | DEPTH | |
| HACHTURB | Turbidity | NTU | Total | Actual | | | | | 2130 | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI DISK | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-002 | Water Quality Lab Analysis | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Dissolved | Actual | | | | | | |
| 10 | Solids, Total | mg/l | | Actual | | Dry | | | | |
| 11 | Solids, Fixed | mg/l | | Actual | | | | | | |
| 12 | BOD, Biochemical oxygen | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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CAPECRD

City of Cape Coral (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | demand | | | | | | | | | |
| 13 | Alkalinity, Carbonate as CaCO3 | mg/l | Dissolved | Actual | | | | | | |
| 14 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9,999.00000 | #/100ml | | | | | | | |
| 15 | Fecal Coliform | #/100ml | Total | Actual | | | 24 Hours | 25 Deg C | | |
| | Acceptable Range | 0.00000 - 9,999.00000 | #/100ml | | | | | | | |
| 16 | Chlorophyll a, uncorrected for pheophytin | ug/l | Dissolved | Actual | | | | | | |
| 17 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Calculated | | | | | | |
| 18 | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |
| 19 | Phosphorus, organic as P | mg/l | Total | Calculated | | | | | | |
| 2 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 3 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | | |
| 4 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| 5 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | | |
| 6 | Phosphorus, orthophosphate as PO4 | mg/l | Dissolved | Actual | | | | | | |
| 7 | Phosphorus as PO4 | mg/l | Dissolved | Actual | | | | | | |
| 8 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Dry | | | | |
| 9 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| CHLACORR | Chlorophyll a, corrected for pheophytin | ug/l | Dissolved | Actual | | | | | 10200-H | |
| LABTURB | Turbidity | NTU | Total | Actual | | | | | 2130 | |
| LPH | pH | None | | Actual | | | | | | |
| OILGREAS | Oil and Grease | mg/l | Total | Actual | | | | | 413.1 | |
| VDS | Solids, Volatile | mg/l | Volatile | Actual | | | | | 2540-E | |
| VSS | Solids, Volatile | mg/l | Volatile | Actual | | | | | 160.4 | |

Characteristic Group Details

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CAPECRD

City of Cape Coral (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | | | | | | | | | |
| | Chloride | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|----------|--------|-----------|--------------|---------|
| CG-003 | Sediment Heavy Metals | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Aluminum | ppm | Total | Actual | | | | | | |
| 10 | Zinc | ppm | Total | Actual | | | | | | |
| 2 | Arsenic | ppm | Total | Actual | | | | | | |
| 3 | Cadmium | ppm | Total | Actual | | | | | | |
| 4 | Chromium | ppm | Total | Actual | | | | | | |
| 5 | Copper | ppm | Total | Actual | | | | | | |
| 6 | Iron | ppm | Total | Actual | | | | | | |
| 7 | Mercury | ppm | Total | Actual | | | | | | |
| 8 | Nickel | ppm | Total | Actual | | | | | | |
| 9 | Lead | ppm | Total | Actual | | | | | | |
| AL2021 | Aluminum | ppm | Total | Actual | | | | | 202.1 | |
| AL311 | Aluminum | ppm | Total | Actual | | | | | 3111-E | |
| AL6010 | Aluminum | ppm | Total | Actual | | | | | 6010A | |
| AL7020 | Aluminum | ppm | Total | Actual | | | | | 7020 | |
| AS2007F | Arsenic | ppm | Total | Actual | | | | | 200.7(W) | |
| AS2063 | Arsenic | ppm | Total | Actual | | | | | 206.3 | |
| AS7060 | Arsenic | ppm | Total | Actual | | | | | 7060A | |
| CD2131 | Cadmium | ppm | Total | Actual | | | | | 213.1 | |

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City of Cape Coral (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CD311 | Cadmium | ppm | Total | Actual | | | | | 3111-E | |
| CD6010 | Cadmium | ppm | Total | Actual | | | | | 6010A | |
| CD7130 | Cadmium | ppm | Total | Actual | | | | | 7130 | |
| CR2181 | Chromium | ppm | Total | Actual | | | | | 218.1 | |
| CR311 | Chromium | ppm | Total | Actual | | | | | 3111-E | |
| CR6010 | Chromium | ppm | Total | Actual | | | | | 6010A | |
| CR7190 | Chromium | ppm | Total | Actual | | | | | 7190 | |
| CU2201 | Copper | ppm | Total | Actual | | | | | 220.1 | |
| CU311 | Copper | ppm | Total | Actual | | | | | 3111-E | |
| CU6010 | Copper | ppm | Total | Actual | | | | | 6010A | |
| CU7210 | Copper | ppm | Total | Actual | | | | | 7210 | |
| FE2361 | Iron | ppm | Total | Actual | | | | | 236.1 | |
| FE311 | Iron | ppm | Total | Actual | | | | | 3111-E | |
| FE6010 | Iron | ppm | Total | Actual | | | | | 6010A | |
| FE7380 | Iron | ppm | Total | Actual | | | | | 7380 | |
| HG2451 | Mercury | ppm | Total | Actual | | | | | 245.1 | |
| HG2455 | Mercury | ppm | Total | Actual | | | | | 245.5 | |
| HG3112B | Mercury | ppm | Total | Actual | | | | | 3112-B | |
| HG7470 | Mercury | ppm | Total | Actual | | | | | 7470A | |
| HG7471 | Mercury | ppm | Total | Actual | | | | | 7471A | |
| NI2491 | Nickel | ppm | Total | Actual | | | | | 249.1 | |
| NI311 | Nickel | ppm | Total | Actual | | | | | 3111-E | |
| NI6010 | Nickel | ppm | Total | Actual | | | | | 6010A | |
| NI7520 | Nickel | ppm | Total | Actual | | | | | 7520 | |
| PB2391 | Lead | ppm | Total | Actual | | | | | 239.1 | |
| PB311 | Lead | ppm | Total | Actual | | | | | 3111-E | |
| PB6010 | Lead | ppm | Total | Actual | | | | | 6010A | |

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CAPECRD

City of Cape Coral (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PB7420 | Lead | ppm | Total | Actual | | | | | 7420 | |
| ZN2891 | Zinc | ppm | Total | Actual | | | | | 289.1 | |
| ZN311 | Zinc | ppm | Total | Actual | | | | | 3111-E | |
| ZN6010 | Zinc | ppm | Total | Actual | | | | | 6010A | |
| ZN7950 | Zinc | ppm | Total | Actual | | | | | 7950 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| CG-004 | Pesticides | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Endosulfan, beta-Endosulfan Sulfate | | | | | | | | | |
| | Endrin | | | | | | | | | |
| | Endrin Aldehyde | | | | | | | | | |
| | Chlordane | | | | | | | | | |
| | Chloropyrifos | | | | | | | | | |
| | Ethion | | | | | | | | | |
| | Ethoprop | | | | | | | | | |
| | Malathion | | | | | | | | | |
| | BHC-gamma (Lindane) | | | | | | | | | |
| | 2,4-D, Dichlorophenoxyacetic acid | | | | | | | | | |
| | DDD ***retired*** (use DDD, p,p') | | | | | | | | | |
| | DDE ***retired*** (use DDE, p,p'-) | | | | | | | | | |
| | DDT ***retired*** (use DDT, p,p'-) | | | | | | | | | |

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CAPECRD

City of Cape Coral (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| |) Dieldrin Endosulfan, alpha- | | | | | | | | | |

Characteristic Group Details

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CCAMP Central Coast Ambient Monitoring Program (California)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| CWQ1 | CWQ Measurements | Field Msr/Obs | Water | | | | N |

Description Field measurements of various parameters using a multi-analyte water quality probe

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR_TEMP | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 37.00000 | deg C | | | | | | | |
| CHLOR_A | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 250.00000 | ug/l | | | | | | | |
| COND_US | Specific conductance | uS/cm | | Actual | | | | | CCAMP_AP001 | |
| DO_PPM | Dissolved oxygen (DO) | ppm | Dissolved | Actual | | | | | CCAMP_AP001 | |
| | Acceptable Range | 0.00000 - 20.00000 | ppm | | | | | | | |
| DO_SAT | Dissolved oxygen saturation | % | | Calculated | | | | | CCAMP_AP001 | |
| | Acceptable Range | 0.00000 - 200.00000 | % | | | | | | | |
| FLOW | Flow | cfs | | Calculated | | | | | | |
| | Acceptable Range | 0.00000 - 100,000.00000 | cfs | | | | | | | |
| H2OTEMP | Temperature, water | deg C | | Actual | | | | | CCAMP_AP001 | |
| | Acceptable Range | 0.00000 - 32.00000 | deg C | | | | | | | |
| PH | pH | None | | Actual | | | | | CCAMP_AP001 | |
| | Acceptable Range | 1.00000 - 14.00000 | None | | | | | | | |
| TURB_N | Turbidity | NTU | | Actual | | | | | CCAMP_AP001 | |
| | Acceptable Range | 0.00000 - 100,000.00000 | NTU | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| CWQ2 | CWQ grab samples | Sample | Water | | | | N |

Description Grab samples for laboratory analysis

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FCOLI | Fecal Coliform | MPN | | Estimated | | | | | | |

Characteristic Group Details

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CCAMP

Central Coast Ambient Monitoring Program (California)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|---------|-----------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 10,000,000.00000 MPN | | | | | | | | | |
| NO3_NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | | |
| PO4_PO4 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | | |
| TDS | Solids, Total Suspended (TSS) | mg/l | Dissolved | Actual | | | | | | | |
| TSS | Solids, Fixed | mg/l | Suspended | Actual | | | | | | | |

Characteristic Group Details

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CHATFLD

Chatfield Reservoir (Colorado)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| SEDICHEM | Sediment Chemistry | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TOC | Carbon, Total Organic (Toc) | % | Total | Actual | | | | | ASA NO.9 29 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| SEDIMETL | Metals in Sediment | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CDT | Cadmium | mg/kg | Total | Actual | | | | | M6010B ICP | |
| CRT | Chromium | mg/kg | Total | Actual | | | | | 200.7(W) | |
| CUT | Copper | mg/kg | Total | Actual | | | | | M6010B ICP | |
| HGT | Mercury | mg/kg | Total | Actual | | | | | M7471 CVAA | |
| PBT | Lead | mg/kg | Total | Actual | | | | | M6010B ICP | |
| SET | Selenium | mg/kg | Total | Actual | | | | | M7742 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|----------|--------|-----------|--------------|---------|
| SEDINUTR | Sediment Nutrients | Sample | Sediment | | | | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| SEDIPHYS | Substrate Characteristics | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CLA | Substrate - clay, medium | % | | Actual | | | | | D422 | |
| SAND | Substrate - sand | % | | Actual | | | | | | |

Characteristic Group Details

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CHATFLD

Chatfield Reservoir (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SLT | Substrate - silt | % | | Actual | | | | | | |
| SOL | Solids, Total Suspended (TSS) | % | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRBIOL | Biological Characteristics | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FEC | Fecal Coliform | #/100ml | Total | Actual | | | | | 9221-E | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRCHEM | Chemistry, Oxygen demand | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BIC | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| BOD | COD, Chemical Oxygen Demand | mg/l | Total | Actual | | | | | 405.1 | |
| CO3 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| CON | Specific conductance | mho/cm | | Actual | | | | | COND | |
| HRD | Hardness, carbonate | mg/l | Total | Actual | | | | | SM22340B | |
| HYD | Alkalinity, Hydroxide as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| TOC | Carbon, Total Organic (Toc) | % | Total | Actual | | | | | ASA NO.9 29 | |
| TSS | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | 160.2 | |

Characteristic Group Details

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CHATFLD

Chatfield Reservoir (Colorado)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRFLDM | Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Oxygen, (O2) | mg/l | | Actual | | | | | HORRIBU U-10 | |
| FNI | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | HACH 8039 | |
| FPO | Phosphorus | mg/l | Total | Actual | | | | | HACH 8048 | |
| PH | pH | None | | Actual | | | | | HORRIBU U-10 | |
| SPC | Specific conductance | uS/cm | | Actual | | | | | HORRIBU | |
| TEM | Temperature, water | deg C | | Actual | | | | | | |
| TIM | Weather Comments (text) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| WATRMETL | Metals in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AGD | Silver | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| AST | Arsenic | mg/l | Total | Actual | | | | | 206.2 | |
| CAL | Calcium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| CDD | Cadmium | mg/l | Dissolved | Actual | | | | | 200.7 (W) | |
| CRT | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |
| CUD | Copper | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| CYN | Cyanide | mg/l | Total | Actual | | | | | CHATFLD | |
| FED | Iron | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| HEX | Chromium, hexavalent | mg/l | Total | Actual | | | | | 3500 CR-D | |
| HGD | Mercury | mg/l | Dissolved | Actual | | | | | 245.1 | |
| MGD | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| MND | Manganese | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

Characteristic Group Details

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CHATFLD

Chatfield Reservoir (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NID | Nickel | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| PBD | Lead | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| SEL | Selenium | mg/l | Dissolved | Actual | | | | | SM3500-SE | |
| TRI | Chromium, trivalent | mg/l | Total | Actual | | | | | 3500 CR-D | |
| ZND | Zinc | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRNUTR | Nutrients in Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMM | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| N | Nitrogen ion (N) | mg/l | Total | Actual | | | | | PERSULFT DIGEST | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Calculated | | | | | NO(3NO2)-N02 | |
| NOT | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | HACH 8039 | |
| NTR | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| P4D | Phosphorus, orthophosphate as PO4 | mg/l | Dissolved | Actual | | | | | M365.1 | |
| P4T | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | M365.1 | |
| PHO | Phosphorus | mg/l | Total | Actual | | | | | M365.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRPYS | Physical Characteristics | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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CHATFLD

Chatfield Reservoir (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CON | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| DEP | Depth | m | | Actual | | | | | | |
| FLO | Flow | cfs | | Estimated | | | | | | |
| SEC | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| TEM | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| WATRPROD | Productivity Measures | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHL | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | CHLOROPHYL L A | |

Characteristic Group Details

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CHNEPCHB

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| CHLACOR | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 2120-B | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | 353.2 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PHEOPHYTIN | Pheophytin-a | mg/m3 | Total | Actual | | | | | 10200-H | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SILICA | Silica | mg/l | Dissolved | Actual | | | | | | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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CHNEPCHB

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 360.1 | |
| LIGHT COEFF | Light attenuation coefficient | None | Total | Calculated | | | | | PAR | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | Total | Actual | | | | | PAR | |
| PARDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | Total | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | 2520-B | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPCHE

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 110.2 | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Actual | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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CHNEPCHE

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPCHP

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 110.2 | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | mg/l | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | uS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |

Characteristic Group Details

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CHNEPCHP

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPCHW

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N3) | mg/l | Total | Calculated | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | ml/l | Total | Actual | | | | | | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |

Characteristic Group Details

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CHNEPCHW

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPEB

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| CHLACOR | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 2120-B | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | 353.2 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PHEOPHYTIN | Pheophytin-a | mg/m3 | Total | Actual | | | | | 10200-H | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SILICA | Silica | mg/l | Dissolved | Actual | | | | | 4500-SI(F) | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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CHNEPEB

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| LIGHT COEFF | Light attenuation coefficient | None | | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Calculated | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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CHNEPLLB Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |

Characteristic Group Details

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CHNEPLLB

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPMP

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP LAB DATA | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | 4500-NH3(G) | |
| CHLA | Chlorophyll (a+b+c) | ppb | Filterable | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Total | Actual | | | | | 2120-B | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(B) | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 4500-NOR(B) | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 4500-P-E | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-E | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-C | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-C | |
| TURBIDITY | Turbidity | NTU | | Actual | | | | | 2130 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP FIELD MEASUREMENTS | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CHLOROPHYLL | Chlorophyll a, corrected for pheophytin | ppb | Total | Actual | | | | | | |
| COND | Specific conductance | umho/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| K | Light Underwater Extinction Coefficient (K) | m | | Actual | | | | | PAR | |
| PARAIR | Light Photosynthetic Active | umol/m2/s | | Actual | | | | | PAR | |

Characteristic Group Details

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CHNEPMP

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Radiation (PAR) | | | | | | | | | |
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | | Actual | | | | | 4500-H | |
| SALINITY | Salinity | ppt | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPPIS

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| CHLACOR | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 2120-B | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | 353.2 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PHEOPHYTIN | Pheophytin-a | mg/m3 | Filterable | Actual | | | | | 10200-H | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SILICA | Silica | mg/l | Dissolved | Actual | | | | | 4500-SI(F) | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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CHNEPPIS

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 360.1 | |
| LIGHT COEEF | Light attenuation coefficient | None | Total | Actual | | | | | PAR | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | Total | Actual | | | | | PAR | |
| PARDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | Total | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |
| TURBIDITYF | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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CHNEPSCB

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 110.2 | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Parameters | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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CHNEPSCB

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOSAT | Dissolved oxygen (DO) | % | Total | Actual | | | | | | |
| ORP | Oxidation reduction potential (ORP) | volts | Total | Actual | | | | | | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPTCR

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 5210-B | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| CHLACOR | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 2120-B | |
| ENTEROCOCCI | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 1600 | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | 353.2 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PHEOPHYTIN | Pheophytin-a | mg/m3 | Total | Actual | | | | | 10200-H | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| SILICA | Silica | mg/l | Dissolved | Actual | | | | | 4500-SI(F) | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

Characteristic Group Details

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CHNEPTCR

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHNEPFLD | CHNEP Field Parameters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | Total | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 360.1 | |
| LIGHT COEEF | Light attenuation coefficient | None | Total | Calculated | | | | | PAR | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PARDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | Total | Actual | | | | | PAR | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CHNEPTMR

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 110.2 | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Parameters | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | uS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |

Characteristic Group Details

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CHNEPTMR

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |
| WAVE | Wave height | m | | Actual | | | | | | |
| WIND | Wind velocity | mph | | Actual | | | | | | |

Characteristic Group Details

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CHNEPTR

Charlotte Harbor National Estuaries Program (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEP | CHNEP Lab Parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AMMONIA | Nitrogen, ammonia as N | ml/l | Total | Actual | | | | | 350.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | mg/m3 | Total | Actual | | | | | 10200-H | |
| COLOR | Color, True | PCU | Filterable | Actual | | | | | 110.2 | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 354.1 | |
| NO2NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.1 | |
| NTK | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| NTOT | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | NTOT | |
| PORTHO | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 300(A) | |
| PTOT | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHNEPFLD | CHNEP Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| COND | Specific conductance | uS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| PARAIR | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | | Actual | | | | | PAR | |

Characteristic Group Details

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CHNEPTR

Charlotte Harbor National Estuaries Program (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PARATDEPTH | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | | Actual | | | | | PAR | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| SALINITY | Salinity | ppt | | Actual | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| SECCHIVB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TOTAL DEPTH | Depth, bottom | m | | Actual | | | | | | |

Characteristic Group Details

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CIKEEPAK

Cook Inlet Keeper (Alaska)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------------|--|--------|--------|-----------|--------------|---------|
| CGRP-1 | General Station Observations | Field Msr/Obs | Water | | | | N |
| Citations | | USEPA, 1997, Volunteer Stream Monitoring: A Methods manual., USEPA, EPA 841/B-97-003 | | | | | |
| Description | | General station observations including weather, wind, water surface, precip | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Cloud cover | % Cover | | Actual | | | | | | |
| 2 | Precipitation 24hr prior to monitoring event amount | in | | Actual | | | | | | |
| 3 | Wind velocity | mph | | Actual | | | | | | |
| 4 | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| 5 | Water appearance (text) | | | | | | | | | |
| 6 | Temperature, air | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|---|--------|--------|-----------|--------------|---------|
| CGRP-2 | Water Chemistry Plus | Sample | Water | | | | N |
| Citations | | USEPA, 1993, Volunteer Estuary Monitoring: A Methods Manual., USEPA, EPA 842/B-93-004 | | | | | |
| Description | | Basic parameters plus coliform | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |
| 10 | Total Coliform | CFU | | Actual | | | | | CIK-003 | |
| | Acceptable Range | 0.00000 - 60.00000 CFU | | | | | | | | |
| 11 | Total Nonfecal Coliform | CFU | | Actual | | | | | CIK-003 | |
| | Acceptable Range | 0.00000 - 60.00000 CFU | | | | | | | | |
| 12 | Temperature, water | deg C | | Actual | | | | | CIK-001 | |
| 13 | pH | None | | Actual | | | | | CIK-002 | |

Characteristic Group Details

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CIKEEPAK

Cook Inlet Keeper (Alaska)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 7.20000 - 8.60000 | None | | | | | | | |
| 14 | pH | None | | Actual | | | | | CIK-001 | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| 15 | pH | None | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 19.99000 | None | | | | | | | |
| 16 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-C | |
| | Acceptable Range | 0.00000 - 20.00000 | mg/l | | | | | | | |
| 17 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| 2 | Color, Apparent | PCU | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 500.00000 | PCU | | | | | | | |
| 3 | Turbidity | JTU | | Actual | | | | | 2130 | |
| | Acceptable Range | 0.00000 - 200.00000 | JTU | | | | | | | |
| 4 | pH | None | | Actual | | | | | CIK-002 | |
| | Acceptable Range | 3.00000 - 10.00000 | None | | | | | | | |
| 5 | Depth, Secchi Disk Depth | ft | | Actual | | | | | CIK-002 | |
| | Acceptable Range | 0.00000 - 30.00000 | ft | | | | | | | |
| 6 | Salinity | ppt | | Actual | | | | | CIK-002 | |
| | Acceptable Range | 0.00000 - 42.00000 | ppt | | | | | | | |
| 7 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | CIK-002 | |
| | Acceptable Range | 0.00000 - 20.00000 | mg/l | | | | | | | |
| 8 | Specific conductance | mS/cm | Dissolved | Actual | | | | 25 Deg C | CIK-001 | |
| | Acceptable Range | 0.00000 - 1,999.00000 | mS/cm | | | | | | | |
| 9 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | CIK-001 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | mV | | | | | | | |

Characteristic Group Details

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CITYOFPG

City of Punta Gorda (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| AC001 | City of PG AC Lab Procedures | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 2320 | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 4500-CL(B) | |
| COLOR | Color, True | PCU | | Actual | | | | | 2120-C | |
| HARDNESS | Hardness, non-carbonate | mg/l | Total | Actual | | | | | 2340 | |
| IR | Iron | mg/l | Total | Actual | | | | | 3500-FE(D) | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 4500-SO4(E) | |
| TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |
| TURB | Turbidity | NTU | Total | Actual | | | | | 2130 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| ACHL1 | City of PG AC Field Procedures | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | | Actual | | | | | 2510 | |
| PH | pH | None | | Actual | | | | | 4500-H | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| SC001 | City of PG Lab Parameters | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total | mg/l | Total | Actual | | | | | 2320 | |

Characteristic Group Details

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CITYOFPG

City of Punta Gorda (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | hydroxide+carbonate+bicarbonate) | | | | | | | | | |
| CHLA | Chlorophyll a, corrected for pheophytin | mg/m3 | Total | Actual | | | | | 445 | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 300.0 | |
| COLOR | Color, True | PCU | | Actual | | | | | 110.2 | |
| N23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NH3 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.2 | |
| OP | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.5 | |
| PHEOPH | Pheophytin-a | mg/m3 | Total | Actual | | | | | 445.0 | |
| SI | Silica | mg/l | Dissolved | Actual | | | | | 370.1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TP | Phosphorus | mg/l | Total | Actual | | | | | 365.3 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| SCHL1 | City of PG Field Parameters | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | | Actual | | | | | 2510 | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| LICOR | Light attenuation coefficient | None | | Actual | | | | | LICOR | |

Characteristic Group Details

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CITYOFPG

City of Punta Gorda (Florida)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH | pH | None | | Actual | | | | | 4500-H | |
| SAL | Salinity | ppt | | Actual | | | | | 2520-B | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 2550 | |

Characteristic Group Details

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COE/ISU

Des Moines River - Corp of Engineers (IOWA)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| BACT | Bacteria | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 015 | Fecal Coliform | #/100ml | | Actual | | | | | APHA 9222 D | |
| 037 | Escherichia coli | #/100ml | | Actual | | | | | APHA 9222 G | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| CHLW | Chlorophyll - Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 031 | Chlorophyll a, corrected for pheophytin | mg/m3 | | Actual | | | | | APHA 10200 H | |
| 032 | Chlorophyll a, uncorrected for pheophytin | mg/m3 | | Actual | | | | | APHA 10200 H | |
| 033 | Chlorophyll-b | mg/m3 | | Actual | | | | | APHA 10200 H | |
| 034 | Chlorophyll-c | mg/m3 | | Actual | | | | | APHA 10200 H | |
| 035 | Pheophytin-a | mg/m3 | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| FLA | Field Lab Analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 005 | pH | None | | Actual | | | | | APHA 4500-H B | |
| 006 | Carbon dioxide | mg/l | Free Available | Actual | | | | | APHA 4500-CO2 C | |
| 007 | Alkalinity, Total (total hydroxide+carbonate+bicarbonat | mg/l | | Actual | | | | | APHA 2320 B | |

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COE/ISU

Des Moines River - Corp of Engineers (IOWA)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | e) | | | | | | | | | |
| 008 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | APHA 2320 B | |
| 016 | Hardness, Ca + Mg | mg/l | | Actual | | | | | APHA 2340 C | |
| 017 | Calcium | mg/l | | Actual | | | | | APHA 3500-CA B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FMAP | Field Measure - Atmo. Prop. | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 029 | Cloud cover | % | | Actual | | | | | | |
| 036 | Barometric pressure | mm/Hg | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FMWP | Field Measure - Water Prop. | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Flow | cfs | | Actual | | | | | USGS CA8 | |
| 002 | Temperature, water | deg C | | Actual | | | | | APHA 2550 | |
| 027 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 038 | Transparency, tube with disk | cm | | Actual | | | | | | |
| 040 | Elevation, water surface, MSL | m | | Actual | | | | | | |
| 041 | Dissolved oxygen saturation | % | | Calculated | | | | | | |

Characteristic Group Details

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COE/ISU

Des Moines River - Corp of Engineers (IOWA)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INORG | Inorganic Chem.-Water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 003 | Turbidity | NTU | | Actual | | | | | APHA 2130 B | |
| 004 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | APHA 2540 D | |
| 011 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | APHA 4500-O C | |
| 022 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | APHA 4110 B | |
| 023 | Chloride | mg/l | Total | Actual | | | | | APHA 4110 B | |
| 024 | Silica | mg/l | | Actual | | | | | APHA 4500-SIO2E | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| METW | Metals - Water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 020 | Cadmium | ug/l | Acid Soluble | Actual | | | | | APHA 3111 B | 3030-E |
| 021 | Lead | ug/l | Acid Soluble | Actual | | | | | APHA 3111 B | 3030-E |
| 025 | Potassium | mg/l | | Actual | | | | | IONPAC | |
| 026 | Sodium | mg/l | Total | Actual | | | | | IONPAC | |
| 028 | Mercury | ug/l | Acid Soluble | Actual | | | | | USEPA 245.1 | |
| 039 | Copper | ug/l | Acid Soluble | Actual | | | | | APHA 3111 B | 3030-E |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| NUTW | Nutrients - Water | Sample | Water | | | | N |

Characteristic Group Details

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COE/ISU

Des Moines River - Corp of Engineers (IOWA)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 009 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | APHA 5310 C | |
| 010 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | APHA 5210 B | |
| 012 | Nitrogen, organic | mg/l | | Calculated | | | | | | |
| 013 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | APHA 4500-NH3 G | |
| 014 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | APHA 4500-NO3 F | |
| 018 | Phosphorus as PO4 | mg/l | | Actual | | | | | USEPA 365.4 | |
| 019 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | APHA 4500-P F | |
| 030 | Ammonia, unionized | mg/l | | Calculated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|------------|------------|-----------|--------------|---------|
| PESTBIO | Pesticides in Fish | Sample | Biological | Individual | | | N |

Characteristic Group Details

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CORIVWCH The Rivers of Colorado Water Watch Network (RiverWatch)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------------------|---|--------|--------|-----------|--------------|---------|
| CG-001 | General Weather Observations | Field Msr/Obs | Air | | | | N |
| Citations | | CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------|---|--------|--------|-----------|--------------|---------|
| CG-002 | Water Chemistry - Metals | Sample | Water | | | | N |
| Citations | | CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | |
| Description | | List of metals that are analyzed in water samples taken in Colorado. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALDISUG | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ALTOTUG | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| ASDISUG | Arsenic | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ASTOTUG | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| CADISUG | Calcium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| CATOTUG | Calcium | ug/l | Total | Actual | | | | | 200.7(W) | |
| CDDISUG | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| CDTOTUG | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| CLPH_A | Chlorophyll a, corrected for pheophytin | ug/l | Free Available | Actual | | Ash-Free Dry | | | UNKNOWN | |
| CUDISUG | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| CUTOTUG | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | UNKNOWN | |
| FEDISUG | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| FETOTUG | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| KDISUG | Potassium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| KTOTUG | Potassium | ug/l | Total | Actual | | | | | 200.7(W) | |
| MGDISUG | Magnesium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| MGTOTUG | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |

Characteristic Group Details

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CORIVWCH

The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MNDISUG | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| MNTOTUG | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| NADISUG | Sodium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| NATOTUG | Sodium | ug/l | Total | Actual | | | | | 200.7(W) | |
| PBDISUG | Lead | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| PBTOTUG | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| SEDISUG | Selenium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| SETOTUG | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |
| ZNDISUG | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| ZNTOTUG | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-003 | Water Chemistry - Nutrients | Sample | Water | | | | N |

Citations CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114
Description List of nutrients analyzed for in Colorado waters.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMMONIA | Ammonia uptake | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.20000 - 2.00000 mg/l | | | | | | | | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | 325.1 | |
| | Acceptable Range | 1.00000 - 100.00000 mg/l | | | | | | | | |
| NITNIT | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.01000 - 1.00000 mg/l | | | | | | | | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.2 | |
| PHOS | Phosphate | mg/l | Total | Actual | | | | | 365.4 | |

Characteristic Group Details

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CORIVWCH The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SULFATE | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l 1.00000 - 50.00000 mg/l | Total | Actual | | | | | 375.4 | |
| TOTNIT | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | UNKNOWN | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| CG-004 | Overall Physical Habitat | Field Msr/Obs | | | | | Y |
| Citations | CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | | |

| Row ID | Characteristic Name | Description |
|--------|----------------------------|-------------|
| 1 | Habitat, Cobble (%) | |
| 10 | RipVeg, BankWidth, Right | |
| 11 | RipVeg, Dom, Right | |
| 12 | RipVeg, Sps, Right | |
| 13 | RipVeg, BankWidth, Left | |
| 14 | RipVeg, Dom, Left | |
| 15 | RipVeg, Sps, Left | |
| 16 | AquaVeg, Type | |
| 17 | AquaVeg, Instream (%) | |
| 18 | Instream, Canopy Cover (%) | |
| 19 | Instream, Rifle (%) | |
| 2 | Habitat, Snags (%) | |
| 20 | Instream, Pool (%) | |
| 21 | Instream, Run (%) | |
| 22 | Instream, EstWetWaterWidth | |

Characteristic Group Details

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CORIVWCH The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Description |
|--------|------------------------------|-------------|
| 23 | Instream, EstBankFullWidth | |
| 24 | Instream, AvgDepth | |
| 25 | Instream, Channelized? | |
| 3 | Habitat, Vegetated Banks (%) | |
| 4 | Habitat, Sand (%) | |
| 5 | LandUse, Right | |
| 6 | LandUse, Left | |
| 7 | LocErosion, Bare Bank (%) | |
| 8 | LocErosion, Amount | |
| 9 | LocErosion, Bank Movement | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| CG-005 | Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Acentrella insignificans | | count | Actual | | | | |
| 10 | Atherix pachypus | | count | Actual | | | | |
| 100 | Paraleptophlebia | | count | Actual | | | | |
| 101 | Parametriochnemus | | count | Actual | | | | |
| 102 | Paraphaenocladus | | count | Actual | | | | |
| 103 | Paratanytarsus | | count | Actual | | | | |
| 104 | Perlodidae | | count | Actual | | | | |
| 105 | Petrophila | | count | Actual | | | | |
| 106 | Phaenopsectra | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 107 | Physa | | count | Actual | | | | |
| 108 | Pisidium | | count | Actual | | | | |
| 109 | Polycentropus | | count | Actual | | | | |
| 11 | Baetis notos | | count | Actual | | | | |
| 110 | Polypedium illinoense | | count | Actual | | | | |
| 111 | Procladius | | count | Actual | | | | |
| 112 | Pseudochironomus | | count | Actual | | | | |
| 113 | Pseudodiamesa | | count | Actual | | | | |
| 114 | Psychomyia flavida | | count | Actual | | | | |
| 115 | Pteronarcella badia | | count | Actual | | | | |
| 116 | Pteronarcys californica | | count | Actual | | | | |
| 117 | Rheocricotopus | | count | Actual | | | | |
| 118 | Rheotanytarsus | | count | Actual | | | | |
| 119 | Rhithrogena | | count | Actual | | | | |
| 12 | Baetis tricaudatus | | count | Actual | | | | |
| 120 | Rhyacophila brunnea | | count | Actual | | | | |
| 121 | Rhyacophila coloradensis | | count | Actual | | | | |
| 122 | Saetheria tylus | | count | Actual | | | | |
| 123 | Sigara grossolineata | | count | Actual | | | | |
| 124 | Simulium | | count | Actual | | | | |
| 125 | Siphonurus occidentalis | | count | Actual | | | | |
| 126 | Skwala americana | | count | Actual | | | | |
| 127 | Sperchon | | count | Actual | | | | |
| 128 | Stictochironomus | | count | Actual | | | | |

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The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129 | Sweltsa | | count | Actual | | | | |
| 13 | Bezzia | | count | Actual | | | | |
| 130 | Synorthocladius | | count | Actual | | | | |
| 131 | Taenionema | | count | Actual | | | | |
| 132 | Tanypus | | count | Actual | | | | |
| 133 | Tanytarsini | | count | Actual | | | | |
| 134 | Tanytarsus | | count | Actual | | | | |
| 135 | Tetrigidae | | count | Actual | | | | |
| 136 | Thienemanniella | | count | Actual | | | | |
| 137 | Thienemannimyia | | count | Actual | | | | |
| 138 | Tipula | | count | Actual | | | | |
| 139 | Tipulidae | | count | Actual | | | | |
| 14 | Bibiocephala grandis | | count | Actual | | | | |
| 140 | Trichocorixa calva | | count | Actual | | | | |
| 141 | Trichocorixa | | count | Actual | | | | |
| 142 | Tricorythodes minutus | | count | Actual | | | | |
| 143 | Triznaka signata | | count | Actual | | | | |
| 144 | Tubificidae | | count | Actual | | | | |
| 145 | Tvetenia | | count | Actual | | | | |
| 146 | Zaitzevia parvulus | | count | Actual | | | | |
| 147 | Nais | | count | Actual | | | | |
| 148 | Ophidonais serpentina | | count | Actual | | | | |
| 149 | Erpobdellidae | | count | Actual | | | | |
| 15 | Brachycentrus americanus | | count | Actual | | | | |

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The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 150 | Erpobdella punctata | | count | Actual | | | | |
| 151 | Atractides | | count | Actual | | | | |
| 152 | Hygrobates | | count | Actual | | | | |
| 153 | Callibaetis | | count | Actual | | | | |
| 154 | Camelobaetidium warreni | | count | Actual | | | | |
| 155 | Caenis | | count | Actual | | | | |
| 156 | Corisella tarsalis | | count | Actual | | | | |
| 157 | Sigara alternata | | count | Actual | | | | |
| 158 | Trichocorixa borealis | | count | Actual | | | | |
| 159 | Ambrysus | | count | Actual | | | | |
| 16 | Brachycentrus occidentalis | | count | Actual | | | | |
| 160 | Notonecta undulata | | count | Actual | | | | |
| 161 | Notonecta | | count | Actual | | | | |
| 162 | Smicridea | | count | Actual | | | | |
| 163 | Leucotrichia pictipes | | count | Actual | | | | |
| 164 | Hesperophylax | | count | Actual | | | | |
| 165 | Limnephilus | | count | Actual | | | | |
| 166 | Rhyacophila pellisa | | count | Actual | | | | |
| 167 | Leptophlebia | | count | Actual | | | | |
| 168 | Libellula | | count | Actual | | | | |
| 169 | Capniidae | | count | Actual | | | | |
| 17 | Brillia | | count | Actual | | | | |
| 170 | Paracapnia angulata | | count | Actual | | | | |
| 171 | Paraleuctra | | count | Actual | | | | |

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The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 172 | Prostoia besametsa | | count | Actual | | | | |
| 173 | Zapada cinctipes | | count | Actual | | | | |
| 174 | Helichus striatus | | count | Actual | | | | |
| 175 | Helichus suturalis | | count | Actual | | | | |
| 176 | Peltodytes edentulus | | count | Actual | | | | |
| 177 | Ochthebius | | count | Actual | | | | |
| 178 | Enochrus | | count | Actual | | | | |
| 179 | Tropisternus ellipticus | | count | Actual | | | | |
| 18 | Caecidotea | | count | Actual | | | | |
| 180 | Chaetocladius | | count | Actual | | | | |
| 181 | Cladotanytarsus | | count | Actual | | | | |
| 182 | Dicrotendipes | | count | Actual | | | | |
| 183 | Endochironomus | | count | Actual | | | | |
| 184 | Heterotrissocladius | | count | Actual | | | | |
| 185 | Monodiamesa | | count | Actual | | | | |
| 186 | Pagastia | | count | Actual | | | | |
| 187 | Paracladius | | count | Actual | | | | |
| 188 | Paracladopelma | | count | Actual | | | | |
| 189 | Paraphaenocladius | | count | Actual | | | | |
| 19 | Caloparyphus | | count | Actual | | | | |
| 190 | Paratendipes | | count | Actual | | | | |
| 191 | Parorthocladius | | count | Actual | | | | |
| 192 | Potthastia longimana | | count | Actual | | | | |
| 193 | Prodiamesa | | count | Actual | | | | |

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The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 194 | Psectrocladius | | count | Actual | | | | |
| 195 | Pseudodiamesa | | count | Actual | | | | |
| 196 | Pseudosmittia | | count | Actual | | | | |
| 197 | Chironomidae | | count | Actual | | | | |
| 198 | Tvetenia | | count | Actual | | | | |
| 199 | Dolichopodidae | | count | Actual | | | | |
| 2 | Acentrella turbida | | count | Actual | | | | |
| 20 | Cardiocladius | | count | Actual | | | | |
| 200 | Neoplasta | | count | Actual | | | | |
| 201 | Oreogeton | | count | Actual | | | | |
| 202 | Wiedemannia | | count | Actual | | | | |
| 203 | Gyraulus | | count | Actual | | | | |
| 204 | Tabanidae | | count | Actual | | | | |
| 205 | Ceratopogonidae | | count | Actual | | | | |
| 206 | Erioptera | | count | Actual | | | | |
| 207 | Gomphidae | | count | Actual | | | | |
| 208 | Chimarra utahensis | | count | Actual | | | | |
| 209 | Saldula | | count | Actual | | | | |
| 21 | Chelifera | | count | Actual | | | | |
| 210 | Laccobius | | count | Actual | | | | |
| 211 | Acricotopus | | count | Actual | | | | |
| 212 | Apedilum | | count | Actual | | | | |
| 213 | Atrichopogon | | count | Actual | | | | |
| 214 | Physidae | | count | Actual | | | | |

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The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 215 | Gammarus lacustris | | count | Actual | | | | |
| 216 | Ferrissia | | count | Actual | | | | |
| 217 | Microvelia | | count | Actual | | | | |
| 218 | Rhagovelia | | count | Actual | | | | |
| 219 | Sciomyzidae | | count | Actual | | | | |
| 22 | Cheumatopsyche | | count | Actual | | | | |
| 220 | Acerpenna pygmaea | | count | Actual | | | | |
| 221 | Ephemera simulans | | count | Actual | | | | |
| 222 | Neochoroterpes oklahoma | | count | Actual | | | | |
| 223 | Pentaneura | | count | Actual | | | | |
| 224 | Cleptelmis ornata | | count | Actual | | | | |
| 225 | Nephelopsis obscura | | count | Actual | | | | |
| 226 | Stictotarsus | | count | Actual | | | | |
| 227 | Cricotopus nostocicola | | count | Actual | | | | |
| 228 | Cinygmula | | count | Actual | | | | |
| 23 | Chironemus | | count | Actual | | | | |
| 230 | Taeniopteryx | | count | Actual | | | | |
| 231 | Ptilostomis | | count | Actual | | | | |
| 232 | Hydroporus | | count | Actual | | | | |
| 233 | Attenella margarita | | count | Actual | | | | |
| 234 | Baetis magnus | | count | Actual | | | | |
| 235 | Torrenticola | | count | Actual | | | | |
| 236 | Sphaerium | | count | Actual | | | | |
| 24 | Chloroperlidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 25 | Choroterpes inornata | | count | Actual | | | | |
| 26 | Claassenia sabulosa | | count | Actual | | | | |
| 27 | Coenagrionidae | | count | Actual | | | | |
| 28 | Collembola | | count | Actual | | | | |
| 29 | Corixidae | | count | Actual | | | | |
| 3 | Acroneuria abnormis | | count | Actual | | | | |
| 30 | Crangonyx | | count | Actual | | | | |
| 31 | Cricotopus | | count | Actual | | | | |
| 32 | Cryptochironomus | | count | Actual | | | | |
| 33 | Culoptila | | count | Actual | | | | |
| 34 | Cultus aestivalis | | count | Actual | | | | |
| 35 | Dasyhelea | | count | Actual | | | | |
| 36 | Diamesa | | count | Actual | | | | |
| 37 | Dicranota | | count | Actual | | | | |
| 38 | Dicrotendipes | | count | Actual | | | | |
| 39 | Dipheter hageni | | count | Actual | | | | |
| 4 | Agabus | | count | Actual | | | | |
| 40 | Diura knowltoni | | count | Actual | | | | |
| 41 | Doddsia occidentalis | | count | Actual | | | | |
| 42 | Drunella doddsi | | count | Actual | | | | |
| 43 | Drunella grandis | | count | Actual | | | | |
| 44 | Dubiraphia | | count | Actual | | | | |
| 45 | Dugesia | | count | Actual | | | | |
| 46 | Enchytraeidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 47 | Epeorus | | count | Actual | | | | |
| 48 | Ephemerella | | count | Actual | | | | |
| 49 | Ephydriidae | | count | Actual | | | | |
| 5 | Ameletus | | count | Actual | | | | |
| 50 | Eukiefferiella | | count | Actual | | | | |
| 51 | Fallceon quilleri | | count | Actual | | | | |
| 52 | Gelastocoris oculatus | | count | Actual | | | | |
| 53 | Glossosoma | | count | Actual | | | | |
| 54 | Glyptotendipes | | count | Actual | | | | |
| 55 | Helicopsyche | | count | Actual | | | | |
| 56 | Helobdella stagnalis | | count | Actual | | | | |
| 57 | Hemerodromia | | count | Actual | | | | |
| 58 | Heptagenia | | count | Actual | | | | |
| 59 | Hesperoperla pacifica | | count | Actual | | | | |
| 6 | Anacaena | | count | Actual | | | | |
| 60 | Hetaerina americana | | count | Actual | | | | |
| 61 | Heterolimnius corpulentus | | count | Actual | | | | |
| 62 | Hexatoma | | count | Actual | | | | |
| 63 | Hyalella azteca | | count | Actual | | | | |
| 64 | Hydrobaenus | | count | Actual | | | | |
| 65 | Hydropsyche | | count | Actual | | | | |
| 66 | Hydroptila | | count | Actual | | | | |
| 67 | Isogenoides | | count | Actual | | | | |
| 68 | Isoperla fulva | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 69 | Isoperla | | count | Actual | | | | |
| 7 | Antocha | | count | Actual | | | | |
| 70 | Lebertia | | count | Actual | | | | |
| 71 | Lepidostoma | | count | Actual | | | | |
| 72 | Limnophora | | count | Actual | | | | |
| 73 | Limnophyes | | count | Actual | | | | |
| 74 | Liodessus | | count | Actual | | | | |
| 75 | Lopescladius | | count | Actual | | | | |
| 76 | Lumbricidae | | count | Actual | | | | |
| 77 | Lymnaeidae | | count | Actual | | | | |
| 78 | Megarcys signata | | count | Actual | | | | |
| 79 | Microcylloepus pusillus | | count | Actual | | | | |
| 8 | Arctopsyche grandis | | count | Actual | | | | |
| 80 | Micropsectra | | count | Actual | | | | |
| 81 | Microtendipes | | count | Actual | | | | |
| 82 | Mooreobdella fervida | | count | Actual | | | | |
| 83 | Mooreobdella microstoma | | count | Actual | | | | |
| 84 | Naididae | | count | Actual | | | | |
| 85 | Nanocladius | | count | Actual | | | | |
| 86 | Narpus concolor | | count | Actual | | | | |
| 87 | Nectopsyche | | count | Actual | | | | |
| 88 | Nematoda | | count | Actual | | | | |
| 89 | Odontomesa | | count | Actual | | | | |
| 9 | Argia | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 90 | Oecetis | | count | Actual | | | | |
| 91 | Oligophlebodes minutus | | count | Actual | | | | |
| 92 | Ophiogomphus severus | | count | Actual | | | | |
| 93 | Optioservus castanipennis | | count | Actual | | | | |
| 94 | Optioservus divergens | | count | Actual | | | | |
| 95 | Optioservus | | count | Actual | | | | |
| 96 | Orconectes | | count | Actual | | | | |
| 97 | Oreodytes | | count | Actual | | | | |
| 98 | Pagastia | | count | Actual | | | | |
| 99 | Parakiefferiella | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|---|--------|--------|-----------|--------------|---------|
| CG-006 | Substrate Composition | Field Msr/Obs | | | | | Y |
| Citations | | CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | General Observation (text) | | | | | | | | | |
| 10 | RBP2, Substrate, Inorganic, Clay, <0.004 mm | % | | Actual | | | | | | |
| 11 | RBP2, Substrate, Organic, Detritus, Sticks, Wood, etc.(CPOM) | % | | Actual | | | | | | |
| 12 | RBP2, Substrate, Organic, Muck-Mud, Black-Fine (FPOM) | % | | Actual | | | | | | |
| 13 | RBP2, Substrate, Organic, Marl, Grey Shell Fragments | % | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | RBP2, Habitat Type, Vegetated Banks (%) | % | | Actual | | | | | | |
| 15 | RBP2, Habitat Type, Submerged Macrophytes (%) | % | | Actual | | | | | | |
| 16 | RBP2, Habitat Type, Snags (%) | % | | Actual | | | | | | |
| 17 | Substrate - miscellaneous other | % | | Actual | | | | | | |
| 18 | Substrate - miscellaneous other | % | | Actual | | | | | | |
| 2 | General Observation (text) | | | | | | | | | |
| 3 | RBP Stream Depth - Riffle | in | | Actual | | | | | | |
| 4 | RBP2, Substrate, Inorganic, Bedrock | % | | Actual | | | | | | |
| 5 | RBP2, Substrate, Inorganic, Boulder, >256 mm | % | | Actual | | | | | | |
| 6 | RBP2, Substrate, Inorganic, Cobble, 64-256 mm | % | | Actual | | | | | | |
| 7 | RBP2, Substrate, Inorganic, Gravel, 2-64 mm | % | | Actual | | | | | | |
| 8 | RBP2, Substrate, Inorganic, Sand, 0.06-2 mm | % | | Actual | | | | | | |
| 9 | RBP2, Substrate, Inorganic, Silt, 0.004-0.06 mm | % | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-008 | RIFFLE CROSS SECTION | Field Msr/Obs | Water | | | | N |

Citations CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth | in | | Actual | | | | | 2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--|---|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-008X | Riffle Cross Section | Field Msr/Obs | | | | | Y | | | |
| Citations CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | | | | | | |
| Row ID | Characteristic Name | Description | | | | | | | | |
| 1 | XSDepth | Cross section depth per step across stream/river. Interval is stored in RepNum, and Units vary from in, ft, cm, and m. | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| CG-009 | Water Chemistry - Field Data | Field Msr/Obs | Water | | | | N | | | |
| Citations CORIVWCH - The Rivers of Colorado Water Watch Network, 2003, Sample Plan 2003, Colorado Division of Wildlife, 1-114 | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| DOSAT | Dissolved oxygen saturation | % | | Calculated | | | | | 4 | |
| DO_MGL | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4 | |
| | Acceptable Range | 0.50000 - 17.00000 mg/l | | | | | | | | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| PHEN_ALK | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | 310.1 | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| TEMPC | Temperature, water | deg C | | Actual | | | | | 1 | |
| TOTAL_ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 310.1 | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| TOTAL_HARD | Hardness, Ca + Mg | mg/l | | Actual | | | | | 2340 | |
| | Acceptable Range | 3.00000 - 1,000.00000 mg/l | | | | | | | | |
| USGS_FLOW | Flow | cfs | | Actual | Mean | | | | 5 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| CG-010 | BenthicsGrid | Field Msr/Obs | | | | | Y | | | |

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The Rivers of Colorado Water Watch Network (RiverWatch)

| Row ID | Characteristic Name | Description |
|--------|---------------------|--|
| 1 | GRID_COUNT | Counts for a benthic grid sampling procedure |

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CT_DEP01 **Connecticut Dept. of Environmental Protection**

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BACTERIA | Indicator bacteria | Sample | Water | | | | N |

Citations CTBEACHQAPP - Ernest Pizzuto, 2003, QAPP-Indicator bacteria monitoring of state-owned and managed bathing areas, CT DEP Ambient Monitoring Program, revision 1 page 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| ECOLI | Escherichia coli | cfu/100ml | | Estimated | MPN | | | | COLILERT | | |
| | Acceptable Range | 10.00000 - 24,001.00000 cfu/100ml | | | | | | | | | |
| ENTERO | Enterococcus Group Bacteria | cfu/100ml | | Estimated | MPN | | | | ASTM D6503 | | |
| | Acceptable Range | 10.00000 - 24,001.00000 cfu/100ml | | | | | | | | | |
| TCOL | Total Coliform | cfu/100ml | Total | Estimated | MPN | | | | COLILERT | | |
| | Acceptable Range | 10.00000 - 24,001.00000 cfu/100ml | | | | | | | | | |

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| | | | | | | | |
|--------------------|--------------------------------|--|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BSPECEW9 | Benthic infauna:West 1999-2000 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | | U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72 | | | | | |
| Description | | Counts of benthic infauna collected in one grab for the EMAP-West 1999-2000 program. | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 1001 | Epitonium | | count | Actual | | | | |
| 1005 | Ericthonius brasiliensis | | count | Actual | | | | |
| 1007 | Ericthonius | | count | Actual | | | | |
| 1012 | Euchone incolor | | count | Actual | | | | |
| 1017 | Dolichopodidae | | count | Actual | | | | |
| 1020 | Dorvilleidae | | count | Actual | | | | |
| 1022 | Drilonereis longa | | count | Actual | | | | |
| 1043 | Dispio uncinata | | count | Actual | | | | |
| 1080 | Crepidula convexa | | count | Actual | | | | |
| 111 | Harmothoe imbricata | | count | Actual | | | | |
| 1115 | Cirriformia | sp.1 | count | Actual | | | | |
| 1130 | Corbicula fluminea | | count | Actual | | | | |
| 1134 | Chaetozone | sp.1 | count | Actual | | | | |
| 1143 | Chone infundibuliformis | | count | Actual | | | | |
| 118 | Melita nitida | | count | Actual | | | | |
| 1214 | Boccardia ligerica | | count | Actual | | | | |
| 1228 | Balanus crenatus | | count | Actual | | | | |
| 123 | Notomastus tenuis | | count | Actual | | | | |
| 125 | Ophelina acuminata | | count | Actual | | | | |
| 126 | Edwardsia | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 1262 | Autolytus | sp.1 | count | Actual | | | | |
| 127 | Ampelisca | | count | Actual | | | | |
| 1276 | Aricidea | | count | Actual | | | | |
| 128 | Ampithoe valida | | count | Actual | | | | |
| 143 | Cyclaspis | | count | Actual | | | | |
| 145 | Diptera | | count | Actual | | | | |
| 146 | Hydrobiidae | | count | Actual | | | | |
| 149 | Amphilochoidea | | count | Actual | | | | |
| 1637 | Marenzelleria viridis | | count | Actual | | | | |
| 164 | Ophryotrocha | | count | Actual | | | | |
| 1648 | Ostracoda | | count | Actual | | | | |
| 1684 | Calanoida | | count | Actual | | | | |
| 1698 | Eteone | | count | Actual | | | | |
| 17 | Anthozoa | | count | Actual | | | | |
| 170 | Gastropoda | | count | Actual | | | | |
| 1703 | Eusarsiella zostericola | | count | Actual | | | | |
| 171 | Onuphidae | | count | Actual | | | | |
| 1735 | Polydora cornuta | | count | Actual | | | | |
| 174 | Chironomidae | | count | Actual | | | | |
| 175 | Mysidae | | count | Actual | | | | |
| 1763 | Sphaerosyllis | | count | Actual | | | | |
| 1769 | Trochochaeta multisetosa | | count | Actual | | | | |
| 177 | Asciacea | | count | Actual | | | | |
| 1796 | Rhepoxynius | sp.1 | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 1801 | Dubiraphia | | count | Actual | | | | |
| 1803 | Chironomidae | | count | Actual | | | | |
| 1814 | Caecum | | count | Actual | | | | |
| 1817 | Urosalpinx cinerea | | count | Actual | | | | |
| 182 | Turbellaria | | count | Actual | | | | |
| 1829 | Argissa hamatipes | | count | Actual | | | | |
| 183 | Xanthidae | | count | Actual | | | | |
| 1850 | Yoldia | | count | Actual | | | | |
| 1865 | Anobothrus gracilis | | count | Actual | | | | |
| 187 | Opheliidae | | count | Actual | | | | |
| 1888 | Maldanidae | | count | Actual | | | | |
| 19 | Aoridae | | count | Actual | | | | |
| 1904 | Hexagenia | | count | Actual | | | | |
| 1917 | Tellina | | count | Actual | | | | |
| 192 | Phoronida | | count | Actual | | | | |
| 196 | Pinnotheridae | | count | Actual | | | | |
| 197 | Polynoidae | | count | Actual | | | | |
| 199 | Pycnogonida | | count | Actual | | | | |
| 201 | Sabellidae | | count | Actual | | | | |
| 204 | Sphaeromatidae | | count | Actual | | | | |
| 205 | Spionidae | | count | Actual | | | | |
| 208 | Enteropneusta | | count | Actual | | | | |
| 217 | Hesionidae | | count | Actual | | | | |
| 218 | Holothuroidea | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 22 | Arabella | | count | Actual | | | | |
| 221 | Lumbrineridae | | count | Actual | | | | |
| 224 | Nemertea | | count | Actual | | | | |
| 226 | Oligochaeta | | count | Actual | | | | |
| 228 | Ceratopogonidae | | count | Actual | | | | |
| 234 | Cnidaria | | count | Actual | | | | |
| 238 | Cumacea | | count | Actual | | | | |
| 239 | Cylindroleberididae | | count | Actual | | | | |
| 245 | Bivalvia | | count | Actual | | | | |
| 247 | Capitellidae | | count | Actual | | | | |
| 254 | Cirratulidae | | count | Actual | | | | |
| 257 | Terebellidae | | count | Actual | | | | |
| 262 | Paguridae | | count | Actual | | | | |
| 267 | Alpheidae | | count | Actual | | | | |
| 2765 | Cirrophorus branchiatus | | count | Actual | | | | |
| 2852 | Exogone lourei | | count | Actual | | | | |
| 2909 | Laonice cirrata | | count | Actual | | | | |
| 296 | Turbonilla | | count | Actual | | | | |
| 2979 | Microspio pigmentata | | count | Actual | | | | |
| 3026 | Obelia dichotoma | | count | Actual | | | | |
| 303 | Turbonilla | sp.1 | count | Actual | | | | |
| 305 | Typosyllis alternata | | count | Actual | | | | |
| 306 | Typosyllis | sp.1 | count | Actual | | | | |
| 3067 | Paranaitis polynoides | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 3087 | Philine | | count | Actual | | | | |
| 3092 | Pilargis | | count | Actual | | | | |
| 31 | Ampharetidae | | count | Actual | | | | |
| 3156 | Scolecopsis squamata | | count | Actual | | | | |
| 3243 | Trichobranchus glacialis | | count | Actual | | | | |
| 3271 | Acarina | | count | Actual | | | | |
| 3291 | Hirudinea | | count | Actual | | | | |
| 3297 | Mytilidae | | count | Actual | | | | |
| 33 | Amphipoda | | count | Actual | | | | |
| 3310 | Sagittidae | | count | Actual | | | | |
| 3329 | Aphelochaeta | | count | Actual | | | | |
| 3349 | Ctenostomata | | count | Actual | | | | |
| 3385 | Pentamera | | count | Actual | | | | |
| 3457 | Glycinde | | count | Actual | | | | |
| 3459 | Goniada | | count | Actual | | | | |
| 3460 | Goniada maculata | | count | Actual | | | | |
| 347 | Syllides longocirrata | | count | Actual | | | | |
| 3479 | Mesochaetopterus taylori | | count | Actual | | | | |
| 3489 | Euclymene | sp.1 | count | Actual | | | | |
| 349 | Syllidae | | count | Actual | | | | |
| 3490 | Galathowenia oculata | | count | Actual | | | | |
| 3495 | Amphicteis scaphobranchiata | | count | Actual | | | | |
| 3497 | Thelepus setosus | | count | Actual | | | | |
| 35 | Ampharete | sp.1 | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 3501 | Terebellides stroemi | | count | Actual | | | | |
| 3506 | Demonax | | count | Actual | | | | |
| 352 | Synelmis | | count | Actual | | | | |
| 355 | Tanaidacea | | count | Actual | | | | |
| 3571 | Sphaeriidae | | count | Actual | | | | |
| 3574 | Veneridae | | count | Actual | | | | |
| 3577 | Mya arenaria | | count | Actual | | | | |
| 3599 | Oedicerotidae | | count | Actual | | | | |
| 3601 | Paraphoxus oculatus | | count | Actual | | | | |
| 3645 | Nolella stipata | | count | Actual | | | | |
| 3649 | Bowerbankia gracilis | | count | Actual | | | | |
| 3660 | Amphiuridae | | count | Actual | | | | |
| 3662 | Amphipholis squamata | | count | Actual | | | | |
| 3674 | Bemlos | | count | Actual | | | | |
| 3694 | Caprella | | count | Actual | | | | |
| 37 | Ampithoe | | count | Actual | | | | |
| 3709 | Cossura | | count | Actual | | | | |
| 3712 | Cumella | sp.2 | count | Actual | | | | |
| 3714 | Drilonereis | | count | Actual | | | | |
| 3735 | Malmgreniella | sp.2 | count | Actual | | | | |
| 3741 | Modiolus | | count | Actual | | | | |
| 3752 | Pagurus | | count | Actual | | | | |
| 3773 | Scoloplos | sp.1 | count | Actual | | | | |
| 3789 | Ampharetidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 381 | Streblospio benedicti | | count | Actual | | | | |
| 3872 | Lumbrinerides acuta | | count | Actual | | | | |
| 3876 | Muricidae | | count | Actual | | | | |
| 392 | Spiophanes bombyx | | count | Actual | | | | |
| 393 | Spiochaetopterus costarum | | count | Actual | | | | |
| 394 | Spio filicornis | | count | Actual | | | | |
| 406 | Sigambra bassi | | count | Actual | | | | |
| 417 | Solenidae | | count | Actual | | | | |
| 423 | Scoloplos acmeceps | | count | Actual | | | | |
| 425 | Scolecipis | | count | Actual | | | | |
| 438 | Scalibregma inflatum | | count | Actual | | | | |
| 441 | Pygospio elegans | | count | Actual | | | | |
| 4542 | Amphiodia urtica | | count | Actual | | | | |
| 4549 | Aphrodita japonica | | count | Actual | | | | |
| 455 | Sabellariidae | | count | Actual | | | | |
| 4562 | Balanus | | count | Actual | | | | |
| 4564 | Boltenia villosa | | count | Actual | | | | |
| 4575 | Calyptraea fastigiata | | count | Actual | | | | |
| 4581 | Cancer gracilis | | count | Actual | | | | |
| 4583 | Cancer productus | | count | Actual | | | | |
| 4584 | Cancer | sp.1 | count | Actual | | | | |
| 4588 | Chlamys hastata | | count | Actual | | | | |
| 4599 | Crangon alaskensis | | count | Actual | | | | |
| 4605 | Delectopecten vancouverensis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 4607 | Dendraster excentricus | | count | Actual | | | | |
| 4632 | Halocynthia igaboja | | count | Actual | | | | |
| 4657 | Leptopecten latiauratus | | count | Actual | | | | |
| 4663 | Lophopanopeus bellus | | count | Actual | | | | |
| 4677 | Lytechinus pictus | | count | Actual | | | | |
| 4689 | Nassarius perpinguis | | count | Actual | | | | |
| 4690 | Nassarius | | count | Actual | | | | |
| 4764 | Ptilosarcus gurneyi | | count | Actual | | | | |
| 4768 | Pyromaia tuberculata | | count | Actual | | | | |
| 479 | Polycirrus | | count | Actual | | | | |
| 48 | Alcyonidium | | count | Actual | | | | |
| 4811 | Styela gibbsii | | count | Actual | | | | |
| 4812 | Styela | | count | Actual | | | | |
| 4815 | Stylatula | | count | Actual | | | | |
| 4868 | Actiniaria | | count | Actual | | | | |
| 4873 | Tubulanus | | count | Actual | | | | |
| 4875 | Lineidae | | count | Actual | | | | |
| 4879 | Sthenelais | | count | Actual | | | | |
| 4883 | Nereis | | count | Actual | | | | |
| 4893 | Caulleriella | sp.2 | count | Actual | | | | |
| 4918 | Macoma | sp.1 | count | Actual | | | | |
| 493 | Prionospio | | count | Actual | | | | |
| 4947 | Pleustidae | | count | Actual | | | | |
| 4952 | Gomphidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 4954 | Coenagrionidae | | count | Actual | | | | |
| 4958 | Sialis | | count | Actual | | | | |
| 4960 | Trichoptera | | count | Actual | | | | |
| 497 | Polydora websteri | | count | Actual | | | | |
| 4984 | Gobiidae | | count | Actual | | | | |
| 5003 | Ampharete finmarchica | | count | Actual | | | | |
| 5005 | Clymenella | | count | Actual | | | | |
| 5006 | Corophiidae | | count | Actual | | | | |
| 5012 | Hydrozoa | | count | Actual | | | | |
| 5025 | Stenothoidae | | count | Actual | | | | |
| 5033 | Elasmopus | | count | Actual | | | | |
| 5035 | Pseudopolydora | | count | Actual | | | | |
| 5040 | Heteromastus | | count | Actual | | | | |
| 5067 | Ampharete acutifrons | | count | Actual | | | | |
| 5071 | Ancistrosyllis groenlandica | | count | Actual | | | | |
| 5076 | Apoprionospio pygmaea | | count | Actual | | | | |
| 513 | Polyplacophora | | count | Actual | | | | |
| 5130 | Gattyana cirrosa | | count | Actual | | | | |
| 5150 | Isaeidae | | count | Actual | | | | |
| 5158 | Levinsenia gracilis | | count | Actual | | | | |
| 5164 | Macoma balthica | | count | Actual | | | | |
| 5168 | Manayunkia speciosa | | count | Actual | | | | |
| 5181 | Monocorophium acherusicum | | count | Actual | | | | |
| 5182 | Monocorophium insidiosum | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5187 | Myidae | | count | Actual | | | | |
| 5191 | Nephtys caeca | | count | Actual | | | | |
| 5193 | Nereididae | | count | Actual | | | | |
| 520 | Pista | | count | Actual | | | | |
| 5213 | Ophiuroidea | | count | Actual | | | | |
| 5222 | Pectinaria granulata | | count | Actual | | | | |
| 5229 | Pherusa plumosa | | count | Actual | | | | |
| 5234 | Phyllodoce groenlandica | | count | Actual | | | | |
| 5241 | Podocopida | | count | Actual | | | | |
| 5251 | Praxillella gracilis | | count | Actual | | | | |
| 5264 | Scaphopoda | | count | Actual | | | | |
| 529 | Podoceridae | | count | Actual | | | | |
| 530 | Poecilochaetus johnsoni | | count | Actual | | | | |
| 5309 | Abarenicola pacifica | | count | Actual | | | | |
| 5310 | Abietinaria | | count | Actual | | | | |
| 5311 | Achelia | | count | Actual | | | | |
| 5312 | Achelia echinata | | count | Actual | | | | |
| 5313 | Acila castrensis | | count | Actual | | | | |
| 5314 | Acteocina inculta | | count | Actual | | | | |
| 5315 | Actiniidae | | count | Actual | | | | |
| 5316 | Adontorhina cyclica | | count | Actual | | | | |
| 5317 | Aglaja ocelligera | | count | Actual | | | | |
| 5318 | Agraylea | | count | Actual | | | | |
| 5319 | Alderia modesta | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5320 | Alia carinata | | count | Actual | | | | |
| 5321 | Allorchestes angusta | | count | Actual | | | | |
| 5322 | Alvania compacta | | count | Actual | | | | |
| 5323 | Amaeana occidentalis | | count | Actual | | | | |
| 5324 | Ampelisca brachycladus | | count | Actual | | | | |
| 5325 | Ampelisca careyi | | count | Actual | | | | |
| 5326 | Ampelisca cristata | | count | Actual | | | | |
| 5327 | Ampelisca hancocki | | count | Actual | | | | |
| 5328 | Ampelisca lobata | | count | Actual | | | | |
| 5329 | Ampelisca pugetica | | count | Actual | | | | |
| 5330 | Ampharete | | count | Actual | | | | |
| 5331 | Ampharete goesi | | count | Actual | | | | |
| 5332 | Ampharete labrops | | count | Actual | | | | |
| 5333 | Amphicteis | | count | Actual | | | | |
| 5334 | Amphideutopus oculatus | | count | Actual | | | | |
| 5335 | Amphiodia digitata | | count | Actual | | | | |
| 5336 | Amphiodia | | count | Actual | | | | |
| 5337 | Amphipholis | | count | Actual | | | | |
| 5338 | Amhiporus | | count | Actual | | | | |
| 5339 | Amphissa columbiana | | count | Actual | | | | |
| 5340 | Amphitrite edwardsi | | count | Actual | | | | |
| 5341 | Ampithoe lacertosa | | count | Actual | | | | |
| 5342 | Ampithoe plumulosa | | count | Actual | | | | |
| 5345 | Anisogammarus pugettensis | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5346 | Anonyx lilljeborgi | | count | Actual | | | | |
| 5347 | Anoplodactylus erectus | | count | Actual | | | | |
| 5348 | Anoplodactylus | | count | Actual | | | | |
| 5349 | Anoropallene palpida | | count | Actual | | | | |
| 5350 | Anotomastus gordiodes | | count | Actual | | | | |
| 5351 | Aonides | sp.1 | count | Actual | | | | |
| 5352 | Aonides | | count | Actual | | | | |
| 5353 | Aoroides intermedius | | count | Actual | | | | |
| 5354 | Aoroides | | count | Actual | | | | |
| 5355 | Aphelochaeta | sp.2 | count | Actual | | | | |
| 5356 | Aphelochaeta | sp.3 | count | Actual | | | | |
| 5357 | Aphelochaeta | sp.1 | count | Actual | | | | |
| 5358 | Aphelochaeta | sp.4 | count | Actual | | | | |
| 5359 | Apistobranchus ornatus | | count | Actual | | | | |
| 5360 | Arabella endonata | | count | Actual | | | | |
| 5361 | Araphura | | count | Actual | | | | |
| 5362 | Archaeomysis grebnitzkii | | count | Actual | | | | |
| 5363 | Aricidea catherinae | | count | Actual | | | | |
| 5364 | Aricidea | sp.1 | count | Actual | | | | |
| 5365 | Aricidea lopezi | | count | Actual | | | | |
| 5366 | Aricidea wassi | | count | Actual | | | | |
| 5367 | Armandia brevis | | count | Actual | | | | |
| 5369 | Asabellides sibirica | | count | Actual | | | | |
| 5370 | Asteropella slatteryi | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5371 | Astyris gausapata | | count | Actual | | | | |
| 5372 | Athenaria | | count | Actual | | | | |
| 5373 | Atylus tridens | | count | Actual | | | | |
| 5374 | Axinopsida serricata | | count | Actual | | | | |
| 5376 | Barantolla americana | | count | Actual | | | | |
| 5377 | Barentsia benedeni | | count | Actual | | | | |
| 5378 | Bathycopea daltonae | | count | Actual | | | | |
| 5379 | Bathyleberis | | count | Actual | | | | |
| 5380 | Bispira | | count | Actual | | | | |
| 5381 | Bivalvia | sp.1 | count | Actual | | | | |
| 5382 | Blepharipoda occidentalis | | count | Actual | | | | |
| 5383 | Boccardia columbiana | | count | Actual | | | | |
| 5384 | Boccardia proboscidea | | count | Actual | | | | |
| 5385 | Boccardia pugettensis | | count | Actual | | | | |
| 5386 | Bougainvilliidae | | count | Actual | | | | |
| 5387 | Bulla gouldiana | | count | Actual | | | | |
| 5389 | Byblis millsii | | count | Actual | | | | |
| 5390 | Byblis | | count | Actual | | | | |
| 5391 | Caecidotea racovitzai | | count | Actual | | | | |
| 5392 | Caecognathia crenulatifrons | | count | Actual | | | | |
| 5393 | Caecum californicum | | count | Actual | | | | |
| 5394 | Caecum occidentale | | count | Actual | | | | |
| 5395 | Campanulariidae | | count | Actual | | | | |
| 5396 | Campylaspis | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5397 | Campylaspis hartae | | count | Actual | | | | |
| 5398 | Campylaspis rubromaculata | | count | Actual | | | | |
| 5399 | Cancer magister | | count | Actual | | | | |
| 5400 | Cancer oregonensis | | count | Actual | | | | |
| 5401 | Capitella capitata | | count | Actual | | | | |
| 5402 | Caprella californica | | count | Actual | | | | |
| 5403 | Caprella drepanochir | | count | Actual | | | | |
| 5404 | Caprella laeviuscula | | count | Actual | | | | |
| 5405 | Caprella mendax | | count | Actual | | | | |
| 5406 | Caprella natalensis | | count | Actual | | | | |
| 5407 | Caprella verrucosa | | count | Actual | | | | |
| 5408 | Caprellida | | count | Actual | | | | |
| 5409 | Carazziella calafia | | count | Actual | | | | |
| 5410 | Cardiomya pectinata | | count | Actual | | | | |
| 5411 | Carinoma mutabilis | | count | Actual | | | | |
| 5412 | Caulibugula | | count | Actual | | | | |
| 5413 | Caulleriella | | count | Actual | | | | |
| 5414 | Caulleriella | sp.1 | count | Actual | | | | |
| 5415 | Cellaria | | count | Actual | | | | |
| 5416 | Celleporella hyalina | | count | Actual | | | | |
| 5417 | Cephalaspidea | | count | Actual | | | | |
| 5418 | Cephalothricidae | | count | Actual | | | | |
| 5419 | Cerebratulus californiensis | | count | Actual | | | | |
| 5420 | Cerebratulus montgomeryi | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5421 | Cerebratulus | | count | Actual | | | | |
| 5422 | Chaetoderma | | count | Actual | | | | |
| 5423 | Chaetozone | | count | Actual | | | | |
| 5424 | Chaetozone | sp.2 | count | Actual | | | | |
| 5425 | Chaetozone corona | | count | Actual | | | | |
| 5426 | Chaetozone | | count | Actual | | | | |
| 5427 | Chaetozone setosa | | count | Actual | | | | |
| 5429 | Chione californiensis | | count | Actual | | | | |
| 543 | Pinnixa | | count | Actual | | | | |
| 5430 | Chione undatella | | count | Actual | | | | |
| 5431 | Chone ecaudata | | count | Actual | | | | |
| 5432 | Chone | | count | Actual | | | | |
| 5433 | Chone | sp.1 | count | Actual | | | | |
| 5434 | Circeis spirillum | | count | Actual | | | | |
| 5435 | Cirratulus | | count | Actual | | | | |
| 5436 | Cirratulus | sp.1 | count | Actual | | | | |
| 5437 | Cirratulus spectabilis | | count | Actual | | | | |
| 5438 | Cirriformia | | count | Actual | | | | |
| 5439 | Clausidium vancouverense | | count | Actual | | | | |
| 5440 | Clavidae | | count | Actual | | | | |
| 5441 | Clinocardium nuttallii | | count | Actual | | | | |
| 5442 | Clinocardium | | count | Actual | | | | |
| 5443 | Compsomyax subdiaphana | | count | Actual | | | | |
| 5444 | Cooperella subdiaphana | | count | Actual | | | | |

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|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5445 | Corixidae | | count | Actual | | | | |
| 5453 | Corymorpha | | count | Actual | | | | |
| 5454 | Corynidae | | count | Actual | | | | |
| 5455 | Cossura candida | | count | Actual | | | | |
| 5456 | Cossura pygodactylata | | count | Actual | | | | |
| 5457 | Cossura | sp.1 | count | Actual | | | | |
| 5459 | Crangon franciscorum | | count | Actual | | | | |
| 5460 | Crangon nigricauda | | count | Actual | | | | |
| 5461 | Crangon | | count | Actual | | | | |
| 5462 | Crangonyx floridanus | | count | Actual | | | | |
| 5463 | Crepidula onyx | | count | Actual | | | | |
| 5464 | Crepidatella dorsata | | count | Actual | | | | |
| 5465 | Crisia | | count | Actual | | | | |
| 5466 | Cryptomya californica | | count | Actual | | | | |
| 5467 | Cumella | | count | Actual | | | | |
| 5468 | Cumella | sp.1 | count | Actual | | | | |
| 5469 | Cumella vulgaris | | count | Actual | | | | |
| 5470 | Cumingia californica | | count | Actual | | | | |
| 5471 | Cyclaspis | sp.1 | count | Actual | | | | |
| 5472 | Cyclocardia ventricosa | | count | Actual | | | | |
| 5473 | Cyclopidae | | count | Actual | | | | |
| 5474 | Cyclostomata | | count | Actual | | | | |
| 5475 | Cylichna attonsa | | count | Actual | | | | |
| 5476 | Cylichna diegensis | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5477 | Decamastus gracilis | | count | Actual | | | | |
| 5479 | Dendraster | | count | Actual | | | | |
| 5480 | Dendrobeania lichenoides | | count | Actual | | | | |
| 5481 | Dendrochirotida | | count | Actual | | | | |
| 5482 | Desdimelita desdichada | | count | Actual | | | | |
| 5483 | Diadumene | | count | Actual | | | | |
| 5484 | Diaphana californica | | count | Actual | | | | |
| 5485 | Diastylis | sp.1 | count | Actual | | | | |
| 5486 | Diastylis | | count | Actual | | | | |
| 5487 | Diastylopsis dawsoni | | count | Actual | | | | |
| 5488 | Dichonemertes hartmanae | | count | Actual | | | | |
| 5489 | Diopatra | | count | Actual | | | | |
| 549 | Phyllodocidae | | count | Actual | | | | |
| 5490 | Diopatra splendidissima | | count | Actual | | | | |
| 5491 | Diopatra tridentata | | count | Actual | | | | |
| 5492 | Diplocirrus | sp.1 | count | Actual | | | | |
| 5493 | Diplodonta sericata | | count | Actual | | | | |
| 5495 | Discorsopagurus schmitti | | count | Actual | | | | |
| 5496 | Disporella | | count | Actual | | | | |
| 5497 | Dorvillea annulata | | count | Actual | | | | |
| 5498 | Dorvillea | sp.1 | count | Actual | | | | |
| 5499 | Dorvillea | | count | Actual | | | | |
| 550 | Phyllodoce | | count | Actual | | | | |
| 5500 | Dulichia rhabdoplastis | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5501 | Ectinosoma | | count | Actual | | | | |
| 5502 | Edotia sublittoralis | | count | Actual | | | | |
| 5503 | Edwardsia californica | | count | Actual | | | | |
| 5504 | Edwardsia sipunculoides | | count | Actual | | | | |
| 5505 | Edwardsia | sp.1 | count | Actual | | | | |
| 5506 | Elasmopus | sp.1 | count | Actual | | | | |
| 5507 | Electra crustulenta arctica | | count | Actual | | | | |
| 5508 | Ennucula tenuis | | count | Actual | | | | |
| 5509 | Eobrolgus chumashi | | count | Actual | | | | |
| 551 | Physella | | count | Actual | | | | |
| 5510 | Eobrolgus | | count | Actual | | | | |
| 5512 | Eogammarus | | count | Actual | | | | |
| 5513 | Eogammarus | sp.1 | count | Actual | | | | |
| 5514 | Eohaustorius estuarius | | count | Actual | | | | |
| 5515 | Eohaustorius sawyeri | | count | Actual | | | | |
| 5516 | Eohaustorius washingtonianus | | count | Actual | | | | |
| 5518 | Eteone | sp.1 | count | Actual | | | | |
| 5519 | Eteone californica | | count | Actual | | | | |
| 5520 | Eteone | sp.2 | count | Actual | | | | |
| 5521 | Eteone fauchaldi | | count | Actual | | | | |
| 5522 | Eteone | sp.3 | count | Actual | | | | |
| 5523 | Eteone lighti | | count | Actual | | | | |
| 5524 | Eualus | | count | Actual | | | | |
| 5525 | Euchone limnicola | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5526 | Euchone | | count | Actual | | | | |
| 5530 | Eudistylia | | count | Actual | | | | |
| 5531 | Eudistylia polymorpha | | count | Actual | | | | |
| 5532 | Eudistylia | sp.1 | count | Actual | | | | |
| 5533 | Eudorella pacifica | | count | Actual | | | | |
| 5534 | Eulalia | | count | Actual | | | | |
| 5535 | Eulalia quadrioculata | | count | Actual | | | | |
| 5536 | Eulalia | | count | Actual | | | | |
| 5538 | Eumida longicornuta | | count | Actual | | | | |
| 5539 | Eumida | | count | Actual | | | | |
| 5540 | Euphilomedes carcharodonta | | count | Actual | | | | |
| 5541 | Euphilomedes longiseta | | count | Actual | | | | |
| 5542 | Euphilomedes producta | | count | Actual | | | | |
| 5543 | Euphysa ruthae | | count | Actual | | | | |
| 5544 | Eupolymnia heterobranchia | | count | Actual | | | | |
| 5545 | Eurystomella bilabiata | | count | Actual | | | | |
| 5546 | Eusiridae | sp.1 | count | Actual | | | | |
| 5547 | Eusiridae | sp.2 | count | Actual | | | | |
| 5548 | Euspira lewisii | | count | Actual | | | | |
| 5549 | Eusyllis habei | | count | Actual | | | | |
| 5550 | Euzonus mucronata | | count | Actual | | | | |
| 5551 | Euzonus | | count | Actual | | | | |
| 5552 | Euzonus williamsi | | count | Actual | | | | |
| 5553 | Exciorolana chiltoni | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5554 | Exogone | | count | Actual | | | | |
| 5555 | Exogone molesta | | count | Actual | | | | |
| 5556 | Eyakia | | count | Actual | | | | |
| 5560 | Gadila | | count | Actual | | | | |
| 5561 | Gammaridea | | count | Actual | | | | |
| 5562 | Gammaropsis thompsoni | | count | Actual | | | | |
| 5563 | Gari | | count | Actual | | | | |
| 5564 | Gastropoda | sp.3 | count | Actual | | | | |
| 5565 | Gastropoda | sp.4 | count | Actual | | | | |
| 5566 | Gastropterion pacificum | | count | Actual | | | | |
| 5567 | Gattyana treadwelli | | count | Actual | | | | |
| 5570 | Glycera nana | | count | Actual | | | | |
| 5571 | Glycera tenuis | | count | Actual | | | | |
| 5572 | Glycinde armigera | | count | Actual | | | | |
| 5573 | Glycinde polygnatha | | count | Actual | | | | |
| 5574 | Gnathia | | count | Actual | | | | |
| 5576 | Gnorimosphaeroma oregonense | | count | Actual | | | | |
| 5577 | Golfingia vulgaris | | count | Actual | | | | |
| 5578 | Grandidierella japonica | | count | Actual | | | | |
| 5579 | Grandifoxus grandis | | count | Actual | | | | |
| 5580 | Grantiidae | | count | Actual | | | | |
| 5581 | Granulina margaritula | | count | Actual | | | | |
| 5582 | Halcampa decemtentaculata | | count | Actual | | | | |
| 5583 | Haliophasma | | count | Actual | | | | |

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|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5586 | Harmothoe multisetosa | | count | Actual | | | | |
| 5588 | Harpacticus | | count | Actual | | | | |
| 5590 | Helisoma | | count | Actual | | | | |
| 5591 | Hemicyclops subadhaerens | | count | Actual | | | | |
| 5592 | Hemilamprops | | count | Actual | | | | |
| 5593 | Heptacarpus kincaidi | | count | Actual | | | | |
| 5594 | Heptacarpus | | count | Actual | | | | |
| 5596 | Hermisenda crassicornis | | count | Actual | | | | |
| 5597 | Hesionura coineaui difficilis | | count | Actual | | | | |
| 5598 | Hesperonoe complanata | | count | Actual | | | | |
| 5599 | Heteromastus filobranchus | | count | Actual | | | | |
| 5600 | Heteronemertea | | count | Actual | | | | |
| 5601 | Heterophoxus | | count | Actual | | | | |
| 5602 | Heterophoxus | sp.1 | count | Actual | | | | |
| 5603 | Heterophoxus oculatus | | count | Actual | | | | |
| 5604 | Heterophoxus | sp.2 | count | Actual | | | | |
| 5605 | Heteropora pacifica | | count | Actual | | | | |
| 5606 | Hobsonia florida | | count | Actual | | | | |
| 5607 | Holmesimysis costata | | count | Actual | | | | |
| 5608 | Hoplonemertea | | count | Actual | | | | |
| 5609 | Humilaria | | count | Actual | | | | |
| 5610 | Huntemannia jadensis | | count | Actual | | | | |
| 5611 | Hyas lyratus | | count | Actual | | | | |
| 5612 | Idanthyrsus | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5613 | Idotea fewkesi | | count | Actual | | | | |
| 5615 | Ischyrocerus | | count | Actual | | | | |
| 5617 | Jassa | | count | Actual | | | | |
| 5618 | Juga | | count | Actual | | | | |
| 5619 | Kurtzia arteaga | | count | Actual | | | | |
| 5620 | Kurtziella plumbea | | count | Actual | | | | |
| 5621 | Kurtzina beta | | count | Actual | | | | |
| 5622 | Lacuna | | count | Actual | | | | |
| 5623 | Lacuna unifasciata | | count | Actual | | | | |
| 5624 | Laevicardium substriatum | | count | Actual | | | | |
| 5625 | Lagenipora socialis | | count | Actual | | | | |
| 5626 | Lampetra ayresi | | count | Actual | | | | |
| 5627 | Lamprops | | count | Actual | | | | |
| 5628 | Lamprops | sp.1 | count | Actual | | | | |
| 5629 | Lamprops | sp.2 | count | Actual | | | | |
| 5631 | Leitoscoloplos pugettensis | | count | Actual | | | | |
| 5632 | Lepidasthenia berkeleyae | | count | Actual | | | | |
| 5633 | Lepidasthenia longicirrata | | count | Actual | | | | |
| 5634 | Leptochiton rugatus | | count | Actual | | | | |
| 5635 | Leucon subnasica | | count | Actual | | | | |
| 5636 | Leuroleberis sharpei | | count | Actual | | | | |
| 5637 | Levinsenia oculata | | count | Actual | | | | |
| 5638 | Lirularia lirulata | | count | Actual | | | | |
| 5639 | Lirularia parcipicta | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 564 | Pherusa | sp.1 | count | Actual | | | | |
| 5640 | Listriella diffusa | | count | Actual | | | | |
| 5641 | Listriella goleta | | count | Actual | | | | |
| 5642 | Listriella melanica | | count | Actual | | | | |
| 5643 | Longipedia | | count | Actual | | | | |
| 5644 | Lumbrineris californiensis | | count | Actual | | | | |
| 5645 | Lumbrineris cruzensis | | count | Actual | | | | |
| 5647 | Lumbrineris japonica | | count | Actual | | | | |
| 5648 | Lumbrineris latreilli | | count | Actual | | | | |
| 5649 | Lumbrineris limicola | | count | Actual | | | | |
| 565 | Pholoe minuta | | count | Actual | | | | |
| 5652 | Lyonsia californica | | count | Actual | | | | |
| 5653 | Macoma carlottensis | | count | Actual | | | | |
| 5654 | Macoma elimata | | count | Actual | | | | |
| 5655 | Macoma | | count | Actual | | | | |
| 5656 | Macoma inquinata | | count | Actual | | | | |
| 5657 | Macoma nasuta | | count | Actual | | | | |
| 5658 | Macoma secta | | count | Actual | | | | |
| 5659 | Macoma yoldiformis | | count | Actual | | | | |
| 5660 | Mactra | | count | Actual | | | | |
| 5661 | Mactrotoma californica | | count | Actual | | | | |
| 5662 | Magelona berkeleyi | | count | Actual | | | | |
| 5663 | Magelona longicornis | | count | Actual | | | | |
| 5664 | Magelona pitelkai | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5665 | Magelona sacculata | | count | Actual | | | | |
| 5667 | Malmgreniella | | count | Actual | | | | |
| 5668 | Malmgreniella | sp.1 | count | Actual | | | | |
| 5669 | Mandibulophoxus gilesi | | count | Actual | | | | |
| 5670 | Mandibulophoxus | | count | Actual | | | | |
| 5671 | Margarites | | count | Actual | | | | |
| 5672 | Marphysa | | count | Actual | | | | |
| 5673 | Mayerella banksia | | count | Actual | | | | |
| 5674 | Mediomastus acutus | | count | Actual | | | | |
| 5675 | Megalomma pigmentum | | count | Actual | | | | |
| 5676 | Megalomma splendida | | count | Actual | | | | |
| 5677 | Melanochlamys diomedea | | count | Actual | | | | |
| 5678 | Melinna oculata | | count | Actual | | | | |
| 5679 | Membranipora | | count | Actual | | | | |
| 5680 | Mesolamprops dillonensis | | count | Actual | | | | |
| 5684 | Micranellum crebricinctum | | count | Actual | | | | |
| 5685 | Micrura alaskensis | | count | Actual | | | | |
| 5686 | Micrura | | count | Actual | | | | |
| 5687 | Modiolus rectus | | count | Actual | | | | |
| 5688 | Molgula pugetiensis | | count | Actual | | | | |
| 5689 | Molpadia intermedia | | count | Actual | | | | |
| 5690 | Monocorophium | | count | Actual | | | | |
| 5699 | Mopalia | | count | Actual | | | | |
| 570 | Photis | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5700 | Munnogonium tillerae | | count | Actual | | | | |
| 5701 | Musculista senhousia | | count | Actual | | | | |
| 5702 | Mysidopsis intii | | count | Actual | | | | |
| 5703 | Mytiloidea | | count | Actual | | | | |
| 5704 | Mytilus galloprovincialis | | count | Actual | | | | |
| 5705 | Naineris dendritica | | count | Actual | | | | |
| 5706 | Naineris uncinata | | count | Actual | | | | |
| 5707 | Nannastacidae | | count | Actual | | | | |
| 5708 | Narpus | | count | Actual | | | | |
| 5709 | Nassarina penicillata | | count | Actual | | | | |
| 5710 | Nassarius mendicus | | count | Actual | | | | |
| 5711 | Nassarius tegula | | count | Actual | | | | |
| 5712 | Neanthes limnicola | | count | Actual | | | | |
| 5713 | Neastacilla californica | | count | Actual | | | | |
| 5714 | Nebalia pugettensis | | count | Actual | | | | |
| 5715 | Nebalia | | count | Actual | | | | |
| 5716 | Neomysis mercedis | | count | Actual | | | | |
| 5718 | Neotrypaea californiensis | | count | Actual | | | | |
| 5719 | Neotrypaea gigas | | count | Actual | | | | |
| 5720 | Neotrypaea | | count | Actual | | | | |
| 5721 | Nephasoma | | count | Actual | | | | |
| 5722 | Nephtys caecoides | | count | Actual | | | | |
| 5723 | Nephtys californiensis | | count | Actual | | | | |
| 5724 | Nephtys cornuta | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5725 | Nephtys ferruginea | | count | Actual | | | | |
| 5726 | Nereis latescens | | count | Actual | | | | |
| 5727 | Nereis procera | | count | Actual | | | | |
| 5728 | Nereis vexillosa | | count | Actual | | | | |
| 5729 | Nereis zonata | | count | Actual | | | | |
| 5730 | Nicolea | | count | Actual | | | | |
| 5731 | Nicomache personata | | count | Actual | | | | |
| 5732 | Ninoe | | count | Actual | | | | |
| 5734 | Norrisia norrisi | | count | Actual | | | | |
| 5736 | Nuculana minuta | | count | Actual | | | | |
| 5737 | Nuculana taphria | | count | Actual | | | | |
| 5738 | Nutricola lordi | | count | Actual | | | | |
| 5739 | Nutricola tantilla | | count | Actual | | | | |
| 5740 | Obelia longissima | | count | Actual | | | | |
| 5741 | Odontosyllis phosphorea | | count | Actual | | | | |
| 5742 | Oenopota | | count | Actual | | | | |
| 5743 | Olivella baetica | | count | Actual | | | | |
| 5744 | Olivella biplicata | | count | Actual | | | | |
| 5745 | Olivella pycna | | count | Actual | | | | |
| 5746 | Onuphis elegans | | count | Actual | | | | |
| 5747 | Onuphis iridescens | | count | Actual | | | | |
| 5748 | Onuphis | | count | Actual | | | | |
| 5749 | Ophelia assimilis | | count | Actual | | | | |
| 5750 | Ophelia | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5751 | Ophiactis simplex | | count | Actual | | | | |
| 5752 | Ophiodermella | | count | Actual | | | | |
| 5753 | Ophiurida | | count | Actual | | | | |
| 5754 | Oplorhiza gracilis | | count | Actual | | | | |
| 5755 | Oregonia gracilis | | count | Actual | | | | |
| 5756 | Oxyurostylis pacifica | | count | Actual | | | | |
| 5757 | Pachynus barnardi | | count | Actual | | | | |
| 5760 | Paleanotus bellis | | count | Actual | | | | |
| 5761 | Paracerceis sculpta | | count | Actual | | | | |
| 5762 | Paracerceis | | count | Actual | | | | |
| 5764 | Paradoneis | | count | Actual | | | | |
| 5765 | Paramage | | count | Actual | | | | |
| 5767 | Parandalia fauveli | | count | Actual | | | | |
| 5768 | Paranemertes californica | | count | Actual | | | | |
| 5769 | Paranthura elegans | | count | Actual | | | | |
| 5770 | Paraonella platybranchia | | count | Actual | | | | |
| 5772 | Pareurythoe californica | | count | Actual | | | | |
| 5773 | Parvilucina tenuisculpta | | count | Actual | | | | |
| 5774 | Pectinaria californiensis | | count | Actual | | | | |
| 5775 | Pectinatella magnifica | | count | Actual | | | | |
| 5776 | Pentamera lissoplaca | | count | Actual | | | | |
| 5777 | Pentidotea resecata | | count | Actual | | | | |
| 5778 | Periploma discus | | count | Actual | | | | |
| 5780 | Petaloproctus borealis | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5781 | Petricola carditoides | | count | Actual | | | | |
| 5782 | Phascolosoma | | count | Actual | | | | |
| 5783 | Pherusa capulata | | count | Actual | | | | |
| 5784 | Philine auriformis | | count | Actual | | | | |
| 5785 | Pholoe glabra | | count | Actual | | | | |
| 5786 | Pholoe | | count | Actual | | | | |
| 5787 | Pholoe | sp.1 | count | Actual | | | | |
| 5788 | Pholoides | | count | Actual | | | | |
| 5789 | Phoronidae | | count | Actual | | | | |
| 5790 | Phoronis | | count | Actual | | | | |
| 5791 | Phoronopsis harmeri | | count | Actual | | | | |
| 5792 | Photis bifurcata | | count | Actual | | | | |
| 5793 | Photis brevipes | | count | Actual | | | | |
| 5794 | Photis californica | | count | Actual | | | | |
| 5795 | Photis parvidons | | count | Actual | | | | |
| 5797 | Phyllochaetopterus prolifica | | count | Actual | | | | |
| 5798 | Phyllodoce cuspidata | | count | Actual | | | | |
| 5799 | Phyllodoce hartmanae | | count | Actual | | | | |
| 5800 | Phyllodoce longipes | | count | Actual | | | | |
| 5801 | Pilargis maculata | | count | Actual | | | | |
| 5802 | Pinnixa longipes | | count | Actual | | | | |
| 5803 | Pinnixa schmitti | | count | Actual | | | | |
| 5804 | Pisaster | | count | Actual | | | | |
| 5805 | Pista alata | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5806 | Pista brevibranchiata | | count | Actual | | | | |
| 5807 | Pista disjuncta | | count | Actual | | | | |
| 5808 | Pista elongata | | count | Actual | | | | |
| 5809 | Pista moorei | | count | Actual | | | | |
| 5810 | Pista | sp.1 | count | Actual | | | | |
| 5811 | Platyhelminthes | | count | Actual | | | | |
| 5812 | Platynereis bicanaliculata | | count | Actual | | | | |
| 5814 | Pleurogonium californiense | | count | Actual | | | | |
| 5817 | Podarkeopsis | sp.1 | count | Actual | | | | |
| 5818 | Podocerus | | count | Actual | | | | |
| 5819 | Podocerus | sp.1 | count | Actual | | | | |
| 5820 | Polycirrus californicus | | count | Actual | | | | |
| 5821 | Polycirrus | sp.1 | count | Actual | | | | |
| 5822 | Polycirrus | sp.2 | count | Actual | | | | |
| 5823 | Polydora limicola | | count | Actual | | | | |
| 5824 | Polydora nuchalis | | count | Actual | | | | |
| 5825 | Polyophthalmus pictus | | count | Actual | | | | |
| 5826 | Pontogeneia rostrata | | count | Actual | | | | |
| 5827 | Pontogeneia | | count | Actual | | | | |
| 5828 | Potamopyrgus antipodarum | | count | Actual | | | | |
| 5829 | Praxillella pacifica | | count | Actual | | | | |
| 5830 | Praxillella | | count | Actual | | | | |
| 5831 | Prionospio lighti | | count | Actual | | | | |
| 5832 | Prionospio multibranchiata | | count | Actual | | | | |

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|--------|--------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5833 | Prionospio heterobranchia | | count | Actual | | | | |
| 5834 | Prionospio | sp.1 | count | Actual | | | | |
| 5835 | Prionospio steenstrupi | | count | Actual | | | | |
| 5836 | Proceraea cornuta | | count | Actual | | | | |
| 5838 | Protodorvillea gracilis | | count | Actual | | | | |
| 5839 | Protomedeia prudens | | count | Actual | | | | |
| 5840 | Protothaca staminea | | count | Actual | | | | |
| 5841 | Psammonyx | | count | Actual | | | | |
| 5842 | Pseudodiaptomus | | count | Actual | | | | |
| 5843 | Pseudopolydora kempii | | count | Actual | | | | |
| 5844 | Pseudopolydora paucibranchiata | | count | Actual | | | | |
| 5845 | Pulsellum salishorum | | count | Actual | | | | |
| 5846 | Pygospio californica | | count | Actual | | | | |
| 5847 | Ramellogammarus oregonensis | | count | Actual | | | | |
| 5849 | Rhepoxynius abronius | | count | Actual | | | | |
| 5850 | Rhepoxynius menziesi | | count | Actual | | | | |
| 5851 | Rhepoxynius | | count | Actual | | | | |
| 5852 | Rhodine bitorquata | | count | Actual | | | | |
| 5853 | Rhynchospio glutaea | | count | Actual | | | | |
| 5854 | Rictaxis punctocaelatus | | count | Actual | | | | |
| 5855 | Rochefortia | | count | Actual | | | | |
| 5856 | Rochefortia compressa | | count | Actual | | | | |
| 5857 | Rochefortia tumida | | count | Actual | | | | |
| 5858 | Rocinela belliceus | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5859 | Rudilemboides stenopropodus | | count | Actual | | | | |
| 5860 | Rutiderma lomae | | count | Actual | | | | |
| 5862 | Sabellides | | count | Actual | | | | |
| 5863 | Sabelliphilidae | | count | Actual | | | | |
| 5864 | Saccocirrus | | count | Actual | | | | |
| 5865 | Saccoglossus | | count | Actual | | | | |
| 5866 | Saduria entomon | | count | Actual | | | | |
| 5867 | Saxidomus giganteus | | count | Actual | | | | |
| 5868 | Saxidomus nuttalli | | count | Actual | | | | |
| 5869 | Scionella japonica | | count | Actual | | | | |
| 5870 | Scleroplax granulata | | count | Actual | | | | |
| 5872 | Scolecipis | sp.1 | count | Actual | | | | |
| 5873 | Scolecipis | sp.2 | count | Actual | | | | |
| 5874 | Scolecipis tridentata | | count | Actual | | | | |
| 5875 | Scoletoma | | count | Actual | | | | |
| 5876 | Scoletoma | sp.1 | count | Actual | | | | |
| 5877 | Scoletoma | sp.2 | count | Actual | | | | |
| 5878 | Scoletoma | sp.3 | count | Actual | | | | |
| 5879 | Scoloplos | sp.2 | count | Actual | | | | |
| 5880 | Scyphoproctus oculatus | | count | Actual | | | | |
| 5881 | Scyphozoa | | count | Actual | | | | |
| 5882 | Sigalion | | count | Actual | | | | |
| 5883 | Siliqua lucida | | count | Actual | | | | |
| 5884 | Siliqua | | count | Actual | | | | |

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|--------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5885 | Simomactra | | count | Actual | | | | |
| 5886 | Sinelobus stanfordi | | count | Actual | | | | |
| 5888 | Sinum scopulosum | | count | Actual | | | | |
| 5889 | Siphonodentalium quadrifissatum | | count | Actual | | | | |
| 589 | Pectinaria | | count | Actual | | | | |
| 5891 | Skenea | | count | Actual | | | | |
| 5892 | Solamen columbianum | | count | Actual | | | | |
| 5893 | Solen sicarius | | count | Actual | | | | |
| 5894 | Solidobalanus hesperius | | count | Actual | | | | |
| 5895 | Sphaerosyllis californiensis | | count | Actual | | | | |
| 5896 | Sphaerosyllis | sp.1 | count | Actual | | | | |
| 5897 | Sphaerosyllis | sp.2 | count | Actual | | | | |
| 5898 | Spio butleri | | count | Actual | | | | |
| 5899 | Spiophanes berkeleyorum | | count | Actual | | | | |
| 5900 | Spiophanes | | count | Actual | | | | |
| 5901 | Spiophanes | sp.1 | count | Actual | | | | |
| 5902 | Spirontocaris ochotensis | | count | Actual | | | | |
| 5903 | Sternaspis fessor | | count | Actual | | | | |
| 5904 | Sthenelais berkeleyi | | count | Actual | | | | |
| 5905 | Streblosoma crassibranchia | | count | Actual | | | | |
| 5906 | Streblosoma | | count | Actual | | | | |
| 5907 | Streblosoma | sp.1 | count | Actual | | | | |
| 5908 | Styela montereyensis | | count | Actual | | | | |
| 5909 | Syllis elongata | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5910 | Synchelidium | | count | Actual | | | | |
| 5911 | Synidotea harfordi | | count | Actual | | | | |
| 5912 | Synidotea | | count | Actual | | | | |
| 5913 | Tagelus subteres | | count | Actual | | | | |
| 5914 | Tecticeps pugettensis | | count | Actual | | | | |
| 5915 | Tellina bodegensis | | count | Actual | | | | |
| 5916 | Tellina carpenteri | | count | Actual | | | | |
| 5917 | Tellina modesta | | count | Actual | | | | |
| 5918 | Tellina nuculoides | | count | Actual | | | | |
| 5919 | Tenonia priops | | count | Actual | | | | |
| 5920 | Terebellides californica | | count | Actual | | | | |
| 5921 | Terebellides | | count | Actual | | | | |
| 5922 | Tetrastemma candidum | | count | Actual | | | | |
| 5923 | Tetrastemma nigrifrons | | count | Actual | | | | |
| 5924 | Tetrastemma | | count | Actual | | | | |
| 5925 | Thalamoporella | | count | Actual | | | | |
| 5926 | Tharyx parvus | | count | Actual | | | | |
| 5927 | Themiste pyroides | | count | Actual | | | | |
| 5928 | Theora lubrica | | count | Actual | | | | |
| 5929 | Thracia | | count | Actual | | | | |
| 5930 | Thyasira flexuosa | | count | Actual | | | | |
| 5931 | Thysanocardia nigra | | count | Actual | | | | |
| 5932 | Trachycardium quadragenarium | | count | Actual | | | | |
| 5935 | Tresus | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 5936 | Trochochaeta | | count | Actual | | | | |
| 5937 | Tryonia imitator | | count | Actual | | | | |
| 5938 | Tubulanus cingulatus | | count | Actual | | | | |
| 5939 | Tubulanus nothus | | count | Actual | | | | |
| 5940 | Tubulanus polymorphus | | count | Actual | | | | |
| 5941 | Tubulipora | | count | Actual | | | | |
| 5943 | Typosyllis farallonensis | | count | Actual | | | | |
| 5945 | Typosyllis | sp.2 | count | Actual | | | | |
| 5947 | Upogebia pugettensis | | count | Actual | | | | |
| 5948 | Uromunna | | count | Actual | | | | |
| 5949 | Venerupis philippinarum | | count | Actual | | | | |
| 5950 | Yoldia hyperborea | | count | Actual | | | | |
| 5951 | Yoldia seminuda | | count | Actual | | | | |
| 5952 | Zaolutus actius | | count | Actual | | | | |
| 5953 | Zeuxo normani | | count | Actual | | | | |
| 5954 | Zygonemertes virescens | | count | Actual | | | | |
| 60 | Ampelisca abdita | | count | Actual | | | | |
| 6017 | Callibaetis | | count | Actual | | | | |
| 6018 | Cecidomyiidae | | count | Actual | | | | |
| 6019 | Ephydriidae | | count | Actual | | | | |
| 6020 | Glycera | | count | Actual | | | | |
| 6021 | Haliplus | | count | Actual | | | | |
| 6023 | Lanassa venusta | | count | Actual | | | | |
| 6025 | Ophiodromus pugettensis | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6026 | Phyllochaetopterus | | count | Actual | | | | |
| 6027 | Phyllodoce | | count | Actual | | | | |
| 6028 | Podarkeopsis | | count | Actual | | | | |
| 6029 | Scoloplos | | count | Actual | | | | |
| 6030 | Tabanidae | | count | Actual | | | | |
| 6031 | Typosyllis | | count | Actual | | | | |
| 6032 | Americorophium salmonis | | count | Actual | | | | |
| 6033 | Americorophium | | count | Actual | | | | |
| 6034 | Americorophium spinicorne | | count | Actual | | | | |
| 6035 | Americorophium stimpsoni | | count | Actual | | | | |
| 6063 | Busycotypus canaliculatus | | count | Actual | | | | |
| 61 | Ampelisca agassizi | | count | Actual | | | | |
| 610 | Paraonidae | | count | Actual | | | | |
| 611 | Paraprionospio pinnata | | count | Actual | | | | |
| 616 | Owenia fusiformis | | count | Actual | | | | |
| 6179 | Westwoodilla caecula | | count | Actual | | | | |
| 6215 | Typosyllis elongata | | count | Actual | | | | |
| 6249 | Maldane sarsi | | count | Actual | | | | |
| 6311 | Photis | sp.1 | count | Actual | | | | |
| 6354 | Tubulanus | sp.1 | count | Actual | | | | |
| 637 | Oligochaeta | | count | Actual | | | | |
| 6424 | Chone duneri | | count | Actual | | | | |
| 6537 | Asabellides lineata | | count | Actual | | | | |
| 6538 | Ascidia | sp.1 | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6539 | Asclerocheilus beringianus | | count | Actual | | | | |
| 6540 | Astarte esquimalti | | count | Actual | | | | |
| 6541 | Axiothella rubrocincta | | count | Actual | | | | |
| 6542 | Balanophyllia elegans | | count | Actual | | | | |
| 6543 | Barentsia | sp.1 | count | Actual | | | | |
| 6544 | Bittium | | count | Actual | | | | |
| 6545 | Bonelliidae | | count | Actual | | | | |
| 6546 | Brada sachalina | | count | Actual | | | | |
| 6547 | Bugula | sp.1 | count | Actual | | | | |
| 6548 | Caberea ellisii | | count | Actual | | | | |
| 6549 | Calliostoma ligatum | | count | Actual | | | | |
| 6550 | Callipallene pacifica | | count | Actual | | | | |
| 6551 | Campanularia | sp.1 | count | Actual | | | | |
| 6552 | Caprella | sp.1 | count | Actual | | | | |
| 6553 | Caulibugula californica | | count | Actual | | | | |
| 6554 | Cellaria | sp.1 | count | Actual | | | | |
| 6555 | Ceradocus spinicaudus | | count | Actual | | | | |
| 6556 | Chaetozone | sp.3 | count | Actual | | | | |
| 6557 | Chaetozone | sp.3 | count | Actual | | | | |
| 6559 | Chlamys rubida | | count | Actual | | | | |
| 6560 | Chone minuta | | count | Actual | | | | |
| 6561 | Circeis armoricana | | count | Actual | | | | |
| 6562 | Clinocardium blandum | | count | Actual | | | | |
| 6563 | Clytia | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6564 | Copidozoum | sp.1 | count | Actual | | | | |
| 6565 | Corymorpha | | count | Actual | | | | |
| 6566 | Cossura | sp.2 | count | Actual | | | | |
| 6567 | Cranopsis | | count | Actual | | | | |
| 6568 | Crepidula nummaria | | count | Actual | | | | |
| 6569 | Crucigera zygophora | | count | Actual | | | | |
| 6571 | Cucumaria piperata | | count | Actual | | | | |
| 6572 | Cyphocaris challengerii | | count | Actual | | | | |
| 6573 | Cytherideidae | | count | Actual | | | | |
| 6574 | Demospongiae | | count | Actual | | | | |
| 6575 | Deutella californica | | count | Actual | | | | |
| 6576 | Diadumene lighti | | count | Actual | | | | |
| 6577 | Diadumenidae | | count | Actual | | | | |
| 6578 | Diaperoecia | | count | Actual | | | | |
| 6579 | Diastylis bidentata | | count | Actual | | | | |
| 6580 | Diastylis pellucida | | count | Actual | | | | |
| 6582 | Diopatra ornata | | count | Actual | | | | |
| 6583 | Distaplia occidentalis | | count | Actual | | | | |
| 6585 | Dulichia | | count | Actual | | | | |
| 6586 | Dyopedos arcticus | | count | Actual | | | | |
| 6587 | Dyopedos | | count | Actual | | | | |
| 6588 | Eudorellopsis integra | | count | Actual | | | | |
| 6589 | Eulalia | sp.1 | count | Actual | | | | |
| 6590 | Eusirus columbianus | | count | Actual | | | | |

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|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6591 | Euspira pallida | | count | Actual | | | | |
| 6592 | Filicrisia | | count | Actual | | | | |
| 6593 | Fluminicola virens | | count | Actual | | | | |
| 6594 | Foxiphalus obtusidens | | count | Actual | | | | |
| 6595 | Foxiphalus xiximeus | | count | Actual | | | | |
| 6596 | Fusinus luteopictus | | count | Actual | | | | |
| 6597 | Galatheidae | | count | Actual | | | | |
| 6598 | Gammaropsis ellisi | | count | Actual | | | | |
| 6599 | Guerneia reduncans | | count | Actual | | | | |
| 660 | Nuculanidae | | count | Actual | | | | |
| 6600 | Halcampidae | | count | Actual | | | | |
| 6601 | Hesperonoe | | count | Actual | | | | |
| 6602 | Heterophoxus affinis | | count | Actual | | | | |
| 6603 | Homalopoma luridum | | count | Actual | | | | |
| 6604 | Ischnochiton trifidus | | count | Actual | | | | |
| 6606 | Juga plicifera | | count | Actual | | | | |
| 6607 | Kellia suborbicularis | | count | Actual | | | | |
| 6608 | Lafoea | | count | Actual | | | | |
| 6609 | Lagenicella | sp.1 | count | Actual | | | | |
| 661 | Nudibranchia | | count | Actual | | | | |
| 6610 | Laonice pugettensis | | count | Actual | | | | |
| 6611 | Lasaeidae | | count | Actual | | | | |
| 6612 | Laticorophium baconi | | count | Actual | | | | |
| 6613 | Lepidepcreum garthi | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6614 | Lepidochitona dentiens | | count | Actual | | | | |
| 6615 | Lepidochitona flectens | | count | Actual | | | | |
| 6617 | Leptoplanidae | | count | Actual | | | | |
| 6618 | Leptostraca | | count | Actual | | | | |
| 6619 | Leucon | | count | Actual | | | | |
| 6620 | Lineus | | count | Actual | | | | |
| 6621 | Lophopanopeus leucomanus | | count | Actual | | | | |
| 6622 | Lucinoma annulatum | | count | Actual | | | | |
| 6624 | Lysippe labiata | | count | Actual | | | | |
| 6625 | Macoma calcarea | | count | Actual | | | | |
| 6626 | Macoma expansa | | count | Actual | | | | |
| 6627 | Macoma | sp.1 | count | Actual | | | | |
| 6628 | Malmgreniella bansei | | count | Actual | | | | |
| 6629 | Margarites pupillus | | count | Actual | | | | |
| 6630 | Megamoera dentata | | count | Actual | | | | |
| 6631 | Megayoldia thraciaeformis | | count | Actual | | | | |
| 6632 | Membranipora membranacea | | count | Actual | | | | |
| 6633 | Metopa dawsoni | | count | Actual | | | | |
| 6634 | Metridium | | count | Actual | | | | |
| 6635 | Microclymene | sp.1 | count | Actual | | | | |
| 6636 | Micropora coriacea | | count | Actual | | | | |
| 6638 | Mopalia sinuata | | count | Actual | | | | |
| 6639 | Munna | | count | Actual | | | | |
| 6640 | Musculus discors | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6642 | Myriochele heeri | | count | Actual | | | | |
| 6643 | Myrizoum | sp.1 | count | Actual | | | | |
| 6645 | Natica clausa | | count | Actual | | | | |
| 6646 | Neanthes diversicolor | | count | Actual | | | | |
| 6647 | Nemocardium centifilosum | | count | Actual | | | | |
| 6648 | Nephasoma diaphanes | | count | Actual | | | | |
| 6649 | Nephtys punctata | | count | Actual | | | | |
| 6650 | Nicomache lumbricalis | | count | Actual | | | | |
| 6651 | Ninoe gemmea | | count | Actual | | | | |
| 6652 | Notoplana | | count | Actual | | | | |
| 6653 | Ophiura leptoctenia | | count | Actual | | | | |
| 6655 | Ophiuridae | | count | Actual | | | | |
| 6656 | Opisthobranchia | | count | Actual | | | | |
| 6657 | Orchomene obtusa | | count | Actual | | | | |
| 6658 | Orchomene | | count | Actual | | | | |
| 6660 | Owenia collaris | | count | Actual | | | | |
| 6661 | Pagurus ochotensis | | count | Actual | | | | |
| 6662 | Pandora bilirata | | count | Actual | | | | |
| 6663 | Parandalia ocularis | | count | Actual | | | | |
| 6664 | Parapleustes pugettensis | | count | Actual | | | | |
| 6665 | Parathemisto pacifica | | count | Actual | | | | |
| 6666 | Pentamera pseudocalcigera | | count | Actual | | | | |
| 6667 | Pettiboneia | | count | Actual | | | | |
| 6668 | Pholoe | sp.2 | count | Actual | | | | |

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|--------|--------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6669 | Phyllodoce mucosa | | count | Actual | | | | |
| 6670 | Phylo felix | | count | Actual | | | | |
| 6671 | Plumularia corrugata | | count | Actual | | | | |
| 6672 | Pododesmus macrochisma | | count | Actual | | | | |
| 6673 | Poecilosclerida | | count | Actual | | | | |
| 6674 | Polycirrus | | count | Actual | | | | |
| 6675 | Potamocorbula amurensis | | count | Actual | | | | |
| 6676 | Proceraea | sp.1 | count | Actual | | | | |
| 6677 | Protolaeospira | sp.1 | count | Actual | | | | |
| 6678 | Protomeдея grandimana | | count | Actual | | | | |
| 6679 | Protomeдея | | count | Actual | | | | |
| 668 | Odostomia | | count | Actual | | | | |
| 6680 | Pseudochitinopoma occidentalis | | count | Actual | | | | |
| 6681 | Pseudomma truncatum | | count | Actual | | | | |
| 6682 | Pseudopotamilla ocellata | | count | Actual | | | | |
| 6684 | Puncturella cucullata | | count | Actual | | | | |
| 6685 | Rhabdus rectius | | count | Actual | | | | |
| 6686 | Rhachotropis oculata | | count | Actual | | | | |
| 6687 | Rhepoxynius barnardi | | count | Actual | | | | |
| 6688 | Rhepoxynius boreovariatus | | count | Actual | | | | |
| 6689 | Rhepoxynius homocuspидatus | | count | Actual | | | | |
| 6690 | Rhepoxynius daboius | | count | Actual | | | | |
| 6691 | Rhepoxynius stenodes | | count | Actual | | | | |
| 6692 | Rocinela propodialis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6693 | Sabellaria gracilis | | count | Actual | | | | |
| 6694 | Scalibregma | sp.1 | count | Actual | | | | |
| 6695 | Scintillona bellerophon | | count | Actual | | | | |
| 6696 | Sinocorophium alienense | | count | Actual | | | | |
| 6697 | Solariella | | count | Actual | | | | |
| 6698 | Sphaerodoropsis sphaerulifer | | count | Actual | | | | |
| 6699 | Spio cirrifera | | count | Actual | | | | |
| 6700 | Spirontocaris | sp.1 | count | Actual | | | | |
| 6701 | Spirontocaris prionota | | count | Actual | | | | |
| 6703 | Styela coriacea | | count | Actual | | | | |
| 6704 | Stylochus franciscanus | | count | Actual | | | | |
| 6705 | Synidotea laevidorsalis | | count | Actual | | | | |
| 6706 | Terebella | | count | Actual | | | | |
| 6707 | Terebellides | sp.1 | count | Actual | | | | |
| 6708 | Terebratalia transversa | | count | Actual | | | | |
| 6709 | Terebratulida | | count | Actual | | | | |
| 6710 | Tetrastemmatidae | | count | Actual | | | | |
| 6711 | Thracia challsiana | | count | Actual | | | | |
| 6712 | Thracia trapezoides | | count | Actual | | | | |
| 6713 | Travisia forbesii | | count | Actual | | | | |
| 6714 | Travisia pupa | | count | Actual | | | | |
| 6715 | Tritella pilimana | | count | Actual | | | | |
| 6716 | Tryonia | | count | Actual | | | | |
| 6717 | Tubulariidae | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 6718 | Typosyllis armillaris | | count | Actual | | | | |
| 6719 | Typosyllis cornuta | | count | Actual | | | | |
| 6720 | Typosyllis | sp.3 | count | Actual | | | | |
| 6721 | Velutina plicatilis | | count | Actual | | | | |
| 6722 | Acteocina culcitella | | count | Actual | | | | |
| 6723 | Acteocina harpa | | count | Actual | | | | |
| 6724 | Americhelidium variabilum | | count | Actual | | | | |
| 6725 | Ampelisca brevisimulata | | count | Actual | | | | |
| 6726 | Amphicteis glabra | | count | Actual | | | | |
| 6727 | Amphilocheus neapolitanus | | count | Actual | | | | |
| 6728 | Amphipholis pugetana | | count | Actual | | | | |
| 6729 | Aroides exilis | | count | Actual | | | | |
| 6730 | Aphrodita negligens | | count | Actual | | | | |
| 6731 | Aphrodita | | count | Actual | | | | |
| 6733 | Archidistoma | | count | Actual | | | | |
| 681 | Nephtys | | count | Actual | | | | |
| 688 | Notomastus hemipodus | | count | Actual | | | | |
| 689 | Notomastus latericeus | | count | Actual | | | | |
| 697 | Neanthes acuminata | | count | Actual | | | | |
| 700 | Neanthes succinea | | count | Actual | | | | |
| 701 | Neanthes virens | | count | Actual | | | | |
| 702 | Neanthes | | count | Actual | | | | |
| 712 | Mya arenaria | | count | Actual | | | | |
| 728 | Naineris | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 741 | Microphthalmus sczelkowi | | count | Actual | | | | |
| 749 | Molgula | | count | Actual | | | | |
| 75 | Acteocina | | count | Actual | | | | |
| 767 | Microphthalmus | | count | Actual | | | | |
| 770 | Magelona | | count | Actual | | | | |
| 777 | Manayunkia aestuarina | | count | Actual | | | | |
| 781 | Marphysa sanguinea | | count | Actual | | | | |
| 782 | Mediomastus ambiseta | | count | Actual | | | | |
| 783 | Mediomastus californiensis | | count | Actual | | | | |
| 784 | Mediomastus | | count | Actual | | | | |
| 826 | Lumbrineris | | count | Actual | | | | |
| 849 | Lepidonotus squamatus | | count | Actual | | | | |
| 853 | Leptochelia dubia | | count | Actual | | | | |
| 861 | Leptosynapta | | count | Actual | | | | |
| 875 | Lacuna vincta | | count | Actual | | | | |
| 892 | Idotea | | count | Actual | | | | |
| 897 | Insecta | | count | Actual | | | | |
| 90 | Phoxocephalidae | | count | Actual | | | | |
| 901 | Isopoda | | count | Actual | | | | |
| 907 | Heteromastus filiformis | | count | Actual | | | | |
| 909 | Heteropodarke heteromorpha | | count | Actual | | | | |
| 913 | Hexagenia | | count | Actual | | | | |
| 914 | Hiatella arctica | | count | Actual | | | | |
| 915 | Hippolytidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 921 | Hyalella azteca | | count | Actual | | | | |
| 938 | Harmothoe extenuata | | count | Actual | | | | |
| 942 | Glycera | sp.1 | count | Actual | | | | |
| 951 | Goniada littorea | | count | Actual | | | | |
| 957 | Gyptis | | count | Actual | | | | |
| 964 | Gammarus daiberi | | count | Actual | | | | |
| 973 | Gemma gemma | | count | Actual | | | | |
| 978 | Glycera americana | | count | Actual | | | | |
| 984 | Eunicidae | | count | Actual | | | | |
| 994 | Exogone | sp.1 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BSPECGU9 | Benthic infauna: NCA-Gulf 2000 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72 | | | | | | |
| Description | Counts of benthic infauna collected in one grab for the National Coastal Assessment-Gulf 2000 program. | | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 127917 | Chironomidae | | count | Actual | | | | |
| 128543 | Clunio marshalli | | count | Actual | | | | |
| 129657 | Polypedilum | | count | Actual | | | | |
| 154520 | Sipuncula | | count | Actual | | | | |
| 154521 | Sipunculidae | | count | Actual | | | | |
| 154596 | Golfingiidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 154733B | Phascolion | | count | Actual | | | | |
| 154734 | Phascolion strombi | | count | Actual | | | | |
| 155456 | Phoronida | | count | Actual | | | | |
| 155462 | Phoronis | | count | Actual | | | | |
| 155462E | Phoronis | sp.1 | count | Actual | | | | |
| 155466 | Phoronis architecta | | count | Actual | | | | |
| 155555 | Amathia alternata | | count | Actual | | | | |
| 156760 | Glottidia pyramidata | | count | Actual | | | | |
| 156857 | Echinodermata | | count | Actual | | | | |
| 157325 | Ophiuroidea | | count | Actual | | | | |
| 157382 | Ophiurida | | count | Actual | | | | |
| 157382A | Ophiurida | sp.1 | count | Actual | | | | |
| 157503 | Ophioderma | | count | Actual | | | | |
| 157520 | Ophioderma brevispinum | | count | Actual | | | | |
| 157625 | Hemipholis elongata | | count | Actual | | | | |
| 157646 | Amphiuridae | | count | Actual | | | | |
| 157646A | Amphiuridae | sp.1 | count | Actual | | | | |
| 157654 | Amphiodia trychna | | count | Actual | | | | |
| 157655 | Amphiodia pulchella | | count | Actual | | | | |
| 157673 | Amphipholis | | count | Actual | | | | |
| 157676 | Amphipholis squamata | | count | Actual | | | | |
| 157732 | Amphiura palmeri | | count | Actual | | | | |
| 157821 | Echinoidea | | count | Actual | | | | |
| 157821A | Echinoidea | sp.1 | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 158026 | Encope aberrans | | count | Actual | | | | |
| 158140 | Holothuroidea | | count | Actual | | | | |
| 158140A | Holothuroidea | sp.1 | count | Actual | | | | |
| 158434 | Leptosynapta crassipatina | | count | Actual | | | | |
| 158617A | Enteropneusta | | count | Actual | | | | |
| 158628 | Balanoglossus | | count | Actual | | | | |
| 158854A | Asciacea | | count | Actual | | | | |
| 159681 | Branchiostoma | | count | Actual | | | | |
| 159683A | Branchiostoma floridae | | count | Actual | | | | |
| 182724B | Scoletoma | | count | Actual | | | | |
| 182728 | Leitoscoloplos robustus | | count | Actual | | | | |
| 202863 | Bemlos | | count | Actual | | | | |
| 204494 | Aricidea cerrutii | | count | Actual | | | | |
| 204501 | Polydora cornuta | | count | Actual | | | | |
| 204530 | Monticellina dorsobranchialis | | count | Actual | | | | |
| 205061 | Parvanachis obesa | | count | Actual | | | | |
| 205822 | Eusarsiella zostericola | | count | Actual | | | | |
| 206386 | Gitanopsis laguna | | count | Actual | | | | |
| 48739 | Hydrozoa | | count | Actual | | | | |
| 49271 | Zanclaea costata | | count | Actual | | | | |
| 51938 | Anthozoa | | count | Actual | | | | |
| 51990E | Ceriantheopsis | | count | Actual | | | | |
| 52485 | Actiniaria | | count | Actual | | | | |
| 52488E | Edwardsia | | count | Actual | | | | |

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|---------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 52545 | Bunodactis texaensis | | count | Actual | | | | |
| 52744 | Aiptasiomorpha texaensis | | count | Actual | | | | |
| 53963 | Platyhelminthes | | count | Actual | | | | |
| 53964 | Turbellaria | | count | Actual | | | | |
| 53964A | Turbellaria | sp.1 | count | Actual | | | | |
| 542886 | Amakusanthura magnifica | | count | Actual | | | | |
| 544179 | Edotia montosa | | count | Actual | | | | |
| 552845 | Biffarius biformis | | count | Actual | | | | |
| 555698 | Podarkeopsis levifuscina | | count | Actual | | | | |
| 563956 | Nemata | | count | Actual | | | | |
| 566964 | Costoanachis | | count | Actual | | | | |
| 567199 | Acteocina lepta | | count | Actual | | | | |
| 567255 | Astyris lunata | | count | Actual | | | | |
| 567284 | Bittium varium | | count | Actual | | | | |
| 567956 | Neritina usnea | | count | Actual | | | | |
| 568055 | Parvanachis ostreicola | | count | Actual | | | | |
| 568364 | Texadina sphinctostoma | | count | Actual | | | | |
| 573719 | Aphelochaeta | | count | Actual | | | | |
| 573719E | Aphelochaeta | sp.1 | count | Actual | | | | |
| 57411 | Nemertea | | count | Actual | | | | |
| 57411A | Nemertea | sp.1 | count | Actual | | | | |
| 57411B | Nemertea | sp.3 | count | Actual | | | | |
| 57411C | Nemertea | sp.4 | count | Actual | | | | |
| 57411E | Nemertea | sp.2 | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 57411F | Nemertea | sp.5 | count | Actual | | | | |
| 57412 | Rhynchocoela | | count | Actual | | | | |
| 57416 | Tubulanus | | count | Actual | | | | |
| 57443 | Lineidae | | count | Actual | | | | |
| 611401 | Bunodosoma | | count | Actual | | | | |
| 621136 | Lumbrineris | | count | Actual | | | | |
| 621401 | Megaluropidae | | count | Actual | | | | |
| 64358 | Polychaeta | | count | Actual | | | | |
| 64502 | Harmothoe | | count | Actual | | | | |
| 64523 | Harmothoe aculeata | | count | Actual | | | | |
| 64693 | Lepidasthenia | | count | Actual | | | | |
| 64739 | Malmgreniella | | count | Actual | | | | |
| 64739A | Malmgreniella | sp.2 | count | Actual | | | | |
| 65072 | Sigalionidae | | count | Actual | | | | |
| 65082 | Sthenelais | | count | Actual | | | | |
| 65084 | Sthenelais boa | | count | Actual | | | | |
| 65136 | Fimbriosthenelais | | count | Actual | | | | |
| 65138 | Fimbriosthenelais minor | | count | Actual | | | | |
| 65148 | Chrysopetalidae | | count | Actual | | | | |
| 65149 | Paleanotus | | count | Actual | | | | |
| 65152 | Paleanotus heteroseta | | count | Actual | | | | |
| 65159 | Bhawania heteroseta | | count | Actual | | | | |
| 65164 | Amphinomidae | | count | Actual | | | | |
| 65174 | Pseudeurythoe | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65177 | Linopherus ambigua | | count | Actual | | | | |
| 65184B | Paramphinome | | count | Actual | | | | |
| 65228 | Phyllodocidae | | count | Actual | | | | |
| 65228A | Phyllodocidae | sp.1 | count | Actual | | | | |
| 65229 | Anaitides | | count | Actual | | | | |
| 65258 | Eteone | | count | Actual | | | | |
| 65266 | Eteone heteropoda | | count | Actual | | | | |
| 65321 | Paranaitis speciosa | | count | Actual | | | | |
| 65335 | Nereiphylla | | count | Actual | | | | |
| 65336 | Nereiphylla fragilis | | count | Actual | | | | |
| 65359 | Phyllodoce | | count | Actual | | | | |
| 65366 | Phyllodoce arenae | | count | Actual | | | | |
| 65467 | Hesionidae | | count | Actual | | | | |
| 65476 | Microphthalmus | | count | Actual | | | | |
| 65485A | Ophiodromus | | count | Actual | | | | |
| 65492 | Parahesionie | | count | Actual | | | | |
| 65493 | Parahesionie luteola | | count | Actual | | | | |
| 65514D | Podarke | | count | Actual | | | | |
| 65517 | Podarke obscura | | count | Actual | | | | |
| 65524 | Hesionie picta | | count | Actual | | | | |
| 65530C | Podarkeopsis | | count | Actual | | | | |
| 65532 | Podarkeopsis brevipalpa | | count | Actual | | | | |
| 65540 | Pilargidae | | count | Actual | | | | |
| 65541 | Ancistrostylis | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65541A | Ancistrosyllis | sp.2 | count | Actual | | | | |
| 65541B | Ancistrosyllis | sp.3 | count | Actual | | | | |
| 65541E | Ancistrosyllis | sp.1 | count | Actual | | | | |
| 65543 | Ancistrosyllis hartmanae | | count | Actual | | | | |
| 65544 | Ancistrosyllis jonesi | | count | Actual | | | | |
| 65546 | Ancistrosyllis papillosa | | count | Actual | | | | |
| 65551 | Sigambra | | count | Actual | | | | |
| 65552 | Sigambra tentaculata | | count | Actual | | | | |
| 65554 | Sigambra bassi | | count | Actual | | | | |
| 65567 | Synelmis | | count | Actual | | | | |
| 65578 | Parandalia fauveli | | count | Actual | | | | |
| 65580 | Parandalia americana | | count | Actual | | | | |
| 65587 | Syllidae | | count | Actual | | | | |
| 65587A | Syllidae | sp.1 | count | Actual | | | | |
| 65629 | Syllis | | count | Actual | | | | |
| 65635 | Syllis cornuta | | count | Actual | | | | |
| 65721 | Exogone | | count | Actual | | | | |
| 65722 | Exogone dispar | | count | Actual | | | | |
| 65735 | Sphaerosyllis | | count | Actual | | | | |
| 65747 | Sphaerosyllis taylori | | count | Actual | | | | |
| 65759 | Brania | | count | Actual | | | | |
| 65761 | Brania clavata | | count | Actual | | | | |
| 65762 | Brania wellfleetensis | | count | Actual | | | | |
| 65792 | Odontosyllis enopla | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65803 | Syllides | | count | Actual | | | | |
| 65822 | Streptosyllis pettiboneae | | count | Actual | | | | |
| 65824 | Parapionosyllis longicirrata | | count | Actual | | | | |
| 65847 | Branchiosyllis | | count | Actual | | | | |
| 65870 | Nereididae | | count | Actual | | | | |
| 65871 | Ceratonereis | | count | Actual | | | | |
| 65874 | Ceratonereis irritabilis | | count | Actual | | | | |
| 65876 | Ceratonereis mirabilis | | count | Actual | | | | |
| 65902 | Nereis | | count | Actual | | | | |
| 65905 | Nereis pelagica | | count | Actual | | | | |
| 65917 | Nereis succinea | | count | Actual | | | | |
| 65918 | Neanthes succinea | | count | Actual | | | | |
| 65922 | Nereis falsa | | count | Actual | | | | |
| 65924 | Neanthes micromma | | count | Actual | | | | |
| 65926 | Nereis acuminata | | count | Actual | | | | |
| 65927 | Nereis riisei | | count | Actual | | | | |
| 65947 | Platynereis | | count | Actual | | | | |
| 65950 | Platynereis dumerilii | | count | Actual | | | | |
| 65958 | Ceratocephale oculata | | count | Actual | | | | |
| 65964 | Laeonereis | | count | Actual | | | | |
| 65965 | Laeonereis culveri | | count | Actual | | | | |
| 65972 | Websterinereis tridentata | | count | Actual | | | | |
| 65978 | Steninonereis martini | | count | Actual | | | | |
| 66011 | Nephtys | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66030 | Nephtys picta | | count | Actual | | | | |
| 66038 | Nephtys simoni | | count | Actual | | | | |
| 66052 | Aglaophamus verrilli | | count | Actual | | | | |
| 66053 | Aglaophamus circinata | | count | Actual | | | | |
| 66102 | Glycera | | count | Actual | | | | |
| 66105 | Glycera tessellata | | count | Actual | | | | |
| 66106 | Glycera americana | | count | Actual | | | | |
| 66107 | Glycera dibranchiata | | count | Actual | | | | |
| 66122 | Hemipodus | | count | Actual | | | | |
| 66126 | Goniadidae | | count | Actual | | | | |
| 66127 | Glycinde | | count | Actual | | | | |
| 66132 | Glycinde solitaria | | count | Actual | | | | |
| 66157 | Onuphidae | | count | Actual | | | | |
| 66157A | Onuphidae | | count | Actual | | | | |
| 66164 | Onuphis eremita | | count | Actual | | | | |
| 66180 | Diopatra cuprea | | count | Actual | | | | |
| 66222 | Americonuphis magna | | count | Actual | | | | |
| 66258 | Kinbergonuphis | | count | Actual | | | | |
| 66259 | Kinbergonuphis simoni | | count | Actual | | | | |
| 66300 | Marphysa | | count | Actual | | | | |
| 66300E | Marphysa | sp.1 | count | Actual | | | | |
| 66301 | Marphysa sanguinea | | count | Actual | | | | |
| 66319 | Lysidice | | count | Actual | | | | |
| 66320 | Lysidice ninetta | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66328 | Nematonereis | | count | Actual | | | | |
| 66335 | Lumbrineridae | | count | Actual | | | | |
| 66341 | Lumbrineris latreilli | | count | Actual | | | | |
| 66351 | Lumbrineris tenuis | | count | Actual | | | | |
| 66366 | Lumbrineris verrilli | | count | Actual | | | | |
| 66367 | Lumbrineris coccinea | | count | Actual | | | | |
| 66422 | Arabellidae | | count | Actual | | | | |
| 66423 | Drilonereis | | count | Actual | | | | |
| 66431 | Drilonereis magna | | count | Actual | | | | |
| 66440 | Arabella | | count | Actual | | | | |
| 66478 | Dorvilleidae | | count | Actual | | | | |
| 66479 | Dorvillea | | count | Actual | | | | |
| 66489 | Dorvillea rubra | | count | Actual | | | | |
| 66493 | Protodorvillea | | count | Actual | | | | |
| 66517 | Schistomeringos | | count | Actual | | | | |
| 66523 | Schistomeringos rudolphi | | count | Actual | | | | |
| 66577 | Haploscoloplos foliosus | | count | Actual | | | | |
| 66583 | Naineris | | count | Actual | | | | |
| 66586 | Naineris laevigata | | count | Actual | | | | |
| 66594 | Scoloplos | sp.1 | count | Actual | | | | |
| 66603 | Scoloplos rubra | | count | Actual | | | | |
| 66653 | Leitoscoloplos | | count | Actual | | | | |
| 66656 | Leitoscoloplos fragilis | | count | Actual | | | | |
| 66659 | Paraonidae | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66666 | Aricidea | | count | Actual | | | | |
| 66666E | Aricidea | sp.2 | count | Actual | | | | |
| 66667 | Aricidea suecica | | count | Actual | | | | |
| 66678 | Aricidea fragilis | | count | Actual | | | | |
| 66683 | Aricidea philbinae | | count | Actual | | | | |
| 66684 | Aricidea taylori | | count | Actual | | | | |
| 66696 | Paraonis | | count | Actual | | | | |
| 66697 | Paraonis fulgens | | count | Actual | | | | |
| 66708 | Cirrophorus | | count | Actual | | | | |
| 66711 | Cirrophorus lyra | | count | Actual | | | | |
| 66727 | Levinsenia | | count | Actual | | | | |
| 66765 | Aricidea catherinae | | count | Actual | | | | |
| 66781 | Spionidae | | count | Actual | | | | |
| 66789 | Polydora | | count | Actual | | | | |
| 66791 | Polydora socialis | | count | Actual | | | | |
| 66794 | Polydora caulleryi | | count | Actual | | | | |
| 66801 | Polydora ligni | | count | Actual | | | | |
| 66838 | Prionospio | | count | Actual | | | | |
| 66843 | Prionospio heterobranchia | | count | Actual | | | | |
| 66845 | Prionospio steenstrupi | | count | Actual | | | | |
| 66847 | Apoprionospio pygmaea | | count | Actual | | | | |
| 66854 | Prionospio perkinsi | | count | Actual | | | | |
| 66864 | Spio | | count | Actual | | | | |
| 66870 | Spio pettiboneae | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66896 | Spiophanes | | count | Actual | | | | |
| 66897 | Spiophanes bombyx | | count | Actual | | | | |
| 66920 | Malacoceros | | count | Actual | | | | |
| 66937 | Paraprionospio pinnata | | count | Actual | | | | |
| 66938 | Streblospio | | count | Actual | | | | |
| 66939 | Streblospio benedicti | | count | Actual | | | | |
| 66941 | Dispio uncinata | | count | Actual | | | | |
| 66942 | Scoleclepis | | count | Actual | | | | |
| 66949 | Scoleclepis texana | | count | Actual | | | | |
| 66972 | Microspio pigmentata | | count | Actual | | | | |
| 67003 | Carazziella hobsonae | | count | Actual | | | | |
| 67023 | Apoprionospio | | count | Actual | | | | |
| 67026 | Minuspio | | count | Actual | | | | |
| 67027 | Minuspio cirrifera | | count | Actual | | | | |
| 67043 | Magelona | | count | Actual | | | | |
| 67043H | Magelona | sp.1 | count | Actual | | | | |
| 67043I | Magelona | sp.2 | count | Actual | | | | |
| 67049 | Magelona pettiboneae | | count | Actual | | | | |
| 67052 | Magelona phyllisae | | count | Actual | | | | |
| 67055 | Magelona polydentata | | count | Actual | | | | |
| 67082 | Poecilochaetus johnsoni | | count | Actual | | | | |
| 67095 | Chaetopteridae | | count | Actual | | | | |
| 67097 | Chaetopterus variopedatus | | count | Actual | | | | |
| 67107 | Spiochaetopterus costarum | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67110 | Spiochaetopterus oculatus | | count | Actual | | | | |
| 67116 | Cirratulidae | | count | Actual | | | | |
| 67123 | Cirratulus hedgpethi | | count | Actual | | | | |
| 67126 | Caulleriella | | count | Actual | | | | |
| 67147 | Tharyx acutus | | count | Actual | | | | |
| 67156D | Chaetozone | sp.1 | count | Actual | | | | |
| 67172 | Cirriformia | | count | Actual | | | | |
| 67209 | Cossura delta | | count | Actual | | | | |
| 67210 | Cossura soyeri | | count | Actual | | | | |
| 67272 | Piromis roberti | | count | Actual | | | | |
| 67343 | Armandia | | count | Actual | | | | |
| 67346 | Armandia agilis | | count | Actual | | | | |
| 67347 | Armandia maculata | | count | Actual | | | | |
| 67353 | Ophelia | | count | Actual | | | | |
| 67364 | Travisia | | count | Actual | | | | |
| 67371 | Travisia hobsonae | | count | Actual | | | | |
| 67379 | Ophelina | | count | Actual | | | | |
| 67391 | Ophelina acuminata | | count | Actual | | | | |
| 67411 | Sternaspis scutata | | count | Actual | | | | |
| 67413 | Capitellidae | | count | Actual | | | | |
| 67414 | Capitella | | count | Actual | | | | |
| 67415 | Capitella capitata | | count | Actual | | | | |
| 67415A | Capitella capitata | | count | Actual | | | | |
| 67420 | Heteromastus filiformis | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67423 | Notomastus | | count | Actual | | | | |
| 67423E | Notomastus | sp.1 | count | Actual | | | | |
| 67429 | Notomastus latericeus | | count | Actual | | | | |
| 67431 | Notomastus hemipodus | | count | Actual | | | | |
| 67434 | Notomastus americanus | | count | Actual | | | | |
| 67436 | Notomastus daueri | | count | Actual | | | | |
| 67438 | Mediomastus | | count | Actual | | | | |
| 67439 | Mediomastus ambiseta | | count | Actual | | | | |
| 67440 | Mediomastus californiensis | | count | Actual | | | | |
| 67444 | Decamastus | | count | Actual | | | | |
| 67456 | Dasybranchus | | count | Actual | | | | |
| 67515 | Maldanidae | | count | Actual | | | | |
| 67515A | Maldanidae | sp.1 | count | Actual | | | | |
| 67516 | Asychis | | count | Actual | | | | |
| 67519 | Asychis elongata | | count | Actual | | | | |
| 67528 | Clymenella torquata | | count | Actual | | | | |
| 67536 | Maldane sarsi | | count | Actual | | | | |
| 67561 | Axiothella | | count | Actual | | | | |
| 67566 | Axiothella mucosa | | count | Actual | | | | |
| 67632 | Macroclymene zonalis | | count | Actual | | | | |
| 67634 | Branchioasychis americana | | count | Actual | | | | |
| 67645 | Owenia | | count | Actual | | | | |
| 67647 | Owenia fusiformis | | count | Actual | | | | |
| 67656A | Myriowenia | | count | Actual | | | | |

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|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67660 | Galathowenia | | count | Actual | | | | |
| 67662 | Galathowenia oculata | | count | Actual | | | | |
| 67669 | Sabellaria | | count | Actual | | | | |
| 67694E | Amphictene | | count | Actual | | | | |
| 67706 | Pectinaria | | count | Actual | | | | |
| 67709 | Pectinaria gouldi | | count | Actual | | | | |
| 67718 | Ampharetidae | | count | Actual | | | | |
| 67727A | Ampharete | | count | Actual | | | | |
| 67747 | Amphicteis gunneri | | count | Actual | | | | |
| 67755 | Hobsonia florida | | count | Actual | | | | |
| 67763 | Melinna cristata | | count | Actual | | | | |
| 67766 | Melinna maculata | | count | Actual | | | | |
| 67813 | Isolda pulchella | | count | Actual | | | | |
| 67899 | Terebellidae | | count | Actual | | | | |
| 67906 | Eupolymnia | | count | Actual | | | | |
| 67940 | Pista | | count | Actual | | | | |
| 67947 | Pista palmata | | count | Actual | | | | |
| 67959 | Polycirrus | | count | Actual | | | | |
| 67983 | Thelepus setosus | | count | Actual | | | | |
| 68014 | Loimia | | count | Actual | | | | |
| 68014A | Loimia | sp.1 | count | Actual | | | | |
| 68028 | Streblosoma | | count | Actual | | | | |
| 68033 | Streblosoma hartmanae | | count | Actual | | | | |
| 68034E | Hauchiella | | count | Actual | | | | |

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|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68049 | Euthelepus | | count | Actual | | | | |
| 68068 | Terebellides | | count | Actual | | | | |
| 68069 | Terebellides stroemi | | count | Actual | | | | |
| 68076 | Sabellidae | | count | Actual | | | | |
| 68077 | Chone | | count | Actual | | | | |
| 68081 | Chone duneri | | count | Actual | | | | |
| 68113 | Megalomma | | count | Actual | | | | |
| 68116 | Megalomma bioculatum | | count | Actual | | | | |
| 68150 | Bispira | | count | Actual | | | | |
| 68208 | Hypsicomus phaeotaenia | | count | Actual | | | | |
| 68221 | Demonax | | count | Actual | | | | |
| 68222 | Demonax microphthalmus | | count | Actual | | | | |
| 68232 | Serpulidae | | count | Actual | | | | |
| 68243 | Serpula | | count | Actual | | | | |
| 68281 | Hydroides | | count | Actual | | | | |
| 68282 | Hydroides dianthus | | count | Actual | | | | |
| 68283 | Hydroides protulicola | | count | Actual | | | | |
| 68286 | Hydroides crucigera | | count | Actual | | | | |
| 68296 | Filograna | | count | Actual | | | | |
| 68311 | Pomatoceros americanus | | count | Actual | | | | |
| 68373 | Questa | | count | Actual | | | | |
| 68419 | Polygordius | | count | Actual | | | | |
| 68419E | Polygordius | sp.1 | count | Actual | | | | |
| 68422 | Oligochaeta | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68585 | Tubificidae | | count | Actual | | | | |
| 68585A | Tubificidae | sp.1 | count | Actual | | | | |
| 68854 | Naididae | | count | Actual | | | | |
| 69459 | Gastropoda | | count | Actual | | | | |
| 69459A | Gastropoda | sp.1 | count | Actual | | | | |
| 69659 | Acmaea | | count | Actual | | | | |
| 69676 | Acmaea pustulata | | count | Actual | | | | |
| 70087 | Turbo | | count | Actual | | | | |
| 70163 | Neritina reclivata | | count | Actual | | | | |
| 70181 | Smaragdia viridis | | count | Actual | | | | |
| 70493 | Hydrobiidae | | count | Actual | | | | |
| 70797 | Rissoidae | | count | Actual | | | | |
| 70945 | Sayella | | count | Actual | | | | |
| 71041 | Schwartziella | | count | Actual | | | | |
| 71064 | Vitrinellidae | | count | Actual | | | | |
| 71071 | Vitrinella texana | | count | Actual | | | | |
| 71120 | Solariorbis infracarinata | | count | Actual | | | | |
| 71127 | Teinostoma biscaynense | | count | Actual | | | | |
| 71178 | Circulus suppressus | | count | Actual | | | | |
| 71372 | Caecidae | | count | Actual | | | | |
| 71379 | Caecum | | count | Actual | | | | |
| 71379E | Caecum | sp.1 | count | Actual | | | | |
| 71380 | Caecum pulchellum | | count | Actual | | | | |
| 71387 | Caecum imbricatum | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 71393 | Caecum johnsoni | | count | Actual | | | | |
| 71404 | Caecum nitidum | | count | Actual | | | | |
| 71951 | Cerithidea pliculosa | | count | Actual | | | | |
| 71969 | Alaba incerta | | count | Actual | | | | |
| 71975 | Cerithiidae | | count | Actual | | | | |
| 72119 | Cerithium | | count | Actual | | | | |
| 72120 | Cerithium atratum | | count | Actual | | | | |
| 72170 | Finella adamsi | | count | Actual | | | | |
| 72233 | Epitonium | | count | Actual | | | | |
| 72247 | Epitonium multistriatum | | count | Actual | | | | |
| 72438 | Eulimidae | | count | Actual | | | | |
| 72440 | Melanella | | count | Actual | | | | |
| 72487 | Strombiformis | | count | Actual | | | | |
| 72492 | Strombiformis hemphilli | | count | Actual | | | | |
| 72503 | Niso | | count | Actual | | | | |
| 72619 | Crepidula | | count | Actual | | | | |
| 72619E | Crepidula | sp.1 | count | Actual | | | | |
| 72623 | Crepidula fornicata | | count | Actual | | | | |
| 72624 | Crepidula convexa | | count | Actual | | | | |
| 72627 | Crepidula plana | | count | Actual | | | | |
| 72632 | Crepidula maculosa | | count | Actual | | | | |
| 72883 | Natica | | count | Actual | | | | |
| 72888 | Natica pusilla | | count | Actual | | | | |
| 72918 | Polinices duplicatus | | count | Actual | | | | |

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|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 72957 | Tectonatica pusilla | | count | Actual | | | | |
| 73542 | Mitrella | | count | Actual | | | | |
| 73552 | Mitrella lunata | | count | Actual | | | | |
| 73617 | Anachis avara | | count | Actual | | | | |
| 73622 | Anachis obesa | | count | Actual | | | | |
| 73826 | Cantharus cancellarius | | count | Actual | | | | |
| 74103 | Nassarius | | count | Actual | | | | |
| 74107 | Nassarius vibex | | count | Actual | | | | |
| 74114 | Nassarius acutus | | count | Actual | | | | |
| 74222 | Olividae | | count | Actual | | | | |
| 74224 | Olivella | | count | Actual | | | | |
| 74232 | Olivella dealbata | | count | Actual | | | | |
| 74278 | Oliva sayana | | count | Actual | | | | |
| 74284 | Jaspidella | | count | Actual | | | | |
| 74360 | Cancellaria reticulata | | count | Actual | | | | |
| 74378 | Marginellidae | | count | Actual | | | | |
| 74384 | Marginella | | count | Actual | | | | |
| 74399 | Marginella apicina | | count | Actual | | | | |
| 74400 | Prunum apicinum | | count | Actual | | | | |
| 74410 | Prunum | | count | Actual | | | | |
| 74462 | Dentimargo eburneolus | | count | Actual | | | | |
| 74555 | Turridae | | count | Actual | | | | |
| 74806A | Kurtziella cerina | | count | Actual | | | | |
| 75244 | Granoturris | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 75407 | Terebridae | | count | Actual | | | | |
| 75436 | Hastula salleana | | count | Actual | | | | |
| 75446 | Pyramidellidae | | count | Actual | | | | |
| 75447 | Odostomia | | count | Actual | | | | |
| 75447E | Odostomia | sp.1 | count | Actual | | | | |
| 75676 | Turbonilla | | count | Actual | | | | |
| 75676A | Turbonilla | sp.2 | count | Actual | | | | |
| 75676E | Turbonilla | sp.1 | count | Actual | | | | |
| 75676Z | Turbonilla | sp.3 | count | Actual | | | | |
| 75687 | Turbonilla interrupta | | count | Actual | | | | |
| 75696 | Turbonilla portoricana | | count | Actual | | | | |
| 75699 | Turbonilla hemphilli | | count | Actual | | | | |
| 75950 | Pyramidella crenulata | | count | Actual | | | | |
| 75989 | Boonea impressa | | count | Actual | | | | |
| 75990 | Odostomia impressa | | count | Actual | | | | |
| 76083 | Rictaxis punctostriatus | | count | Actual | | | | |
| 76107 | Acteocina | | count | Actual | | | | |
| 76117 | Acteocina canaliculata | | count | Actual | | | | |
| 76120 | Acteocina candei | | count | Actual | | | | |
| 76236E | Bulla | | count | Actual | | | | |
| 76237 | Bulla striata | | count | Actual | | | | |
| 76254 | Haminoeidae | | count | Actual | | | | |
| 76256 | Haminoea | | count | Actual | | | | |
| 76312 | Cylindrobulla beauii | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 76402 | Cuvierina columnella | | count | Actual | | | | |
| 78156 | Nudibranchia | | count | Actual | | | | |
| 78156A | Nudibranchia | sp.1 | count | Actual | | | | |
| 78807 | Polyplacophora | | count | Actual | | | | |
| 78842 | Ischnochitonidae | | count | Actual | | | | |
| 78849 | Ischnochiton | | count | Actual | | | | |
| 79011 | Chitonidae | | count | Actual | | | | |
| 79012 | Chiton | | count | Actual | | | | |
| 79118 | Bivalvia | | count | Actual | | | | |
| 79118A | Bivalvia | sp.1 | count | Actual | | | | |
| 79126 | Nucula | | count | Actual | | | | |
| 79142 | Nucula crenulata | | count | Actual | | | | |
| 79177 | Nuculanidae | | count | Actual | | | | |
| 79188 | Nuculana | | count | Actual | | | | |
| 79195 | Nuculana acuta | | count | Actual | | | | |
| 79205 | Nuculana concentrica | | count | Actual | | | | |
| 79314 | Solemya | | count | Actual | | | | |
| 79337 | Anadara | | count | Actual | | | | |
| 79340 | Anadara transversa | | count | Actual | | | | |
| 79451 | Mytilidae | | count | Actual | | | | |
| 79517 | Brachidontes | | count | Actual | | | | |
| 79519 | Brachidontes exustus | | count | Actual | | | | |
| 79523 | Brachidontes domingensis | | count | Actual | | | | |
| 79529 | Amygdalum papyrium | | count | Actual | | | | |

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|--------|-----------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 79543 | <i>Lioberus castaneus</i> | | count | Actual | | | | |
| 79555 | <i>Geukensia demissa</i> | | count | Actual | | | | |
| 79561 | <i>Ischadium recurvum</i> | | count | Actual | | | | |
| 79872 | <i>Crassostrea virginica</i> | | count | Actual | | | | |
| 80385 | Lucinidae | | count | Actual | | | | |
| 80388 | <i>Parvilucina multilineata</i> | | count | Actual | | | | |
| 80415 | <i>Lucina nassula</i> | | count | Actual | | | | |
| 80421 | <i>Lucina nuttalli centrifuga</i> | | count | Actual | | | | |
| 80434 | <i>Anodontia alba</i> | | count | Actual | | | | |
| 80475 | <i>Codakia orbiculata</i> | | count | Actual | | | | |
| 80574 | <i>Diplodonta semiaspera</i> | | count | Actual | | | | |
| 80578 | <i>Diplodonta punctata</i> | | count | Actual | | | | |
| 80603 | Cyrenoididae | | count | Actual | | | | |
| 80605 | <i>Cyrenoida floridana</i> | | count | Actual | | | | |
| 80651 | <i>Mysella</i> | | count | Actual | | | | |
| 80651A | <i>Mysella</i> | sp.1 | count | Actual | | | | |
| 80661 | <i>Mysella planulata</i> | | count | Actual | | | | |
| 80732 | Carditidae | | count | Actual | | | | |
| 80773 | <i>Pteromeris</i> | | count | Actual | | | | |
| 80774 | <i>Pleuromeris tridentata</i> | | count | Actual | | | | |
| 80850 | Crassinella | | count | Actual | | | | |
| 80851 | <i>Crassinella lunulata</i> | | count | Actual | | | | |
| 80890 | <i>Laevicardium</i> | | count | Actual | | | | |
| 80891 | <i>Laevicardium mortoni</i> | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 80907 | Trachycardium muricatum | | count | Actual | | | | |
| 80942 | Mactridae | | count | Actual | | | | |
| 80959 | Mulinia lateralis | | count | Actual | | | | |
| 80962 | Rangia cuneata | | count | Actual | | | | |
| 80963 | Rangia flexuosa | | count | Actual | | | | |
| 80968 | Macra fragilis | | count | Actual | | | | |
| 80994 | Ervilia | | count | Actual | | | | |
| 81023 | Ensis minor | | count | Actual | | | | |
| 81032 | Tellinidae | | count | Actual | | | | |
| 81032A | Tellinidae | sp.1 | count | Actual | | | | |
| 81033 | Macoma | | count | Actual | | | | |
| 81033E | Macoma | sp.1 | count | Actual | | | | |
| 81054 | Macoma mitchelli | | count | Actual | | | | |
| 81055 | Macoma tenta | | count | Actual | | | | |
| 81074 | Tellina | | count | Actual | | | | |
| 81074E | Tellina | sp.1 | count | Actual | | | | |
| 81100 | Tellina versicolor | | count | Actual | | | | |
| 81101 | Tellina alternata | | count | Actual | | | | |
| 81108 | Tellina texana | | count | Actual | | | | |
| 81113 | Tellina tampaensis | | count | Actual | | | | |
| 81215 | Strigilla mirabilis | | count | Actual | | | | |
| 81272 | Tagelus plebeius | | count | Actual | | | | |
| 81274 | Tagelus divisus | | count | Actual | | | | |
| 81289 | Semelidae | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 81294 | Semele proficua | | count | Actual | | | | |
| 81325 | Semele nuculoides | | count | Actual | | | | |
| 81335 | Mytilopsis leucophaeata | | count | Actual | | | | |
| 81439 | Veneridae | | count | Actual | | | | |
| 81489 | Dosinia discus | | count | Actual | | | | |
| 81494 | Cyclinella tenuis | | count | Actual | | | | |
| 81495 | Mercenaria | | count | Actual | | | | |
| 81500 | Pitar | | count | Actual | | | | |
| 81504 | Pitar fulminatus | | count | Actual | | | | |
| 81511 | Gemma gemma | | count | Actual | | | | |
| 81517 | Chione | | count | Actual | | | | |
| 81523 | Chione cancellata | | count | Actual | | | | |
| 81582 | Tivela | | count | Actual | | | | |
| 81583 | Tivela floridana | | count | Actual | | | | |
| 81603 | Anomalocardia auberiana | | count | Actual | | | | |
| 81627 | Petricolaria pholadiformis | | count | Actual | | | | |
| 81702 | Sphenia | | count | Actual | | | | |
| 81712A | Corbula contracta | | count | Actual | | | | |
| 81717 | Corbula swiftiana | | count | Actual | | | | |
| 81806 | Martesia fragilis | | count | Actual | | | | |
| 81895 | Pandora trilineata | | count | Actual | | | | |
| 81947 | Periploma margaritaceum | | count | Actual | | | | |
| 81958 | Thraciidae | | count | Actual | | | | |
| 82115 | Scaphopoda | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 82166 | Antalis antillarum | | count | Actual | | | | |
| 83545 | Pycnogonida | | count | Actual | | | | |
| 83640 | Anoplodactylus | | count | Actual | | | | |
| 84195A | Ostracoda | | count | Actual | | | | |
| 84300A | Eusarsiella | sp.1 | count | Actual | | | | |
| 84305 | Eusarsiella disparalis | | count | Actual | | | | |
| 84735B | Haplocytheridea | | count | Actual | | | | |
| 84736 | Haplocytheridea setipunctata | | count | Actual | | | | |
| 89622 | Balanus improvisus | | count | Actual | | | | |
| 89807 | Mysidacea | | count | Actual | | | | |
| 89856 | Mysidae | | count | Actual | | | | |
| 89856A | Mysidae | sp.1 | count | Actual | | | | |
| 90138 | Mysidopsis | | count | Actual | | | | |
| 90141 | Mysidopsis almyra | | count | Actual | | | | |
| 90143 | Mysidopsis furca | | count | Actual | | | | |
| 90175 | Mysidopsis taironana | | count | Actual | | | | |
| 90267 | Bowmaniella dissimilis | | count | Actual | | | | |
| 90698 | Metamysidopsis | | count | Actual | | | | |
| 90745 | Cumacea | | count | Actual | | | | |
| 90790 | Leucon americanus | | count | Actual | | | | |
| 90812 | Eudorella monodon | | count | Actual | | | | |
| 90922 | Oxyurostylis | | count | Actual | | | | |
| 90922E | Oxyurostylis | sp.2 | count | Actual | | | | |
| 90922K | Oxyurostylis | sp.1 | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 90923 | Oxyurostylis smithi | | count | Actual | | | | |
| 90923A | Oxyurostylis smithi | | count | Actual | | | | |
| 90979 | Almyracuma proximoculi | | count | Actual | | | | |
| 91031 | Cyclaspis | | count | Actual | | | | |
| 91032 | Cyclaspis pustulata | | count | Actual | | | | |
| 91033 | Cyclaspis varians | | count | Actual | | | | |
| 91061 | Tanaidacea | | count | Actual | | | | |
| 91174 | Apseudes propinquus | | count | Actual | | | | |
| 91298 | Kalliapseudes | | count | Actual | | | | |
| 91298A | Kalliapseudes | sp.1 | count | Actual | | | | |
| 91381 | Tanaidae | | count | Actual | | | | |
| 91382 | Tanais | | count | Actual | | | | |
| 92067 | Leptochelia rapax | | count | Actual | | | | |
| 92068 | Hargeria rapax | | count | Actual | | | | |
| 92120 | Isopoda | | count | Actual | | | | |
| 92149 | Cyathura polita | | count | Actual | | | | |
| 92162 | Xenanthura brevitelson | | count | Actual | | | | |
| 92199 | Hyssuridae | | count | Actual | | | | |
| 92250 | Eurydice personata | | count | Actual | | | | |
| 92283 | Sphaeromatidae | | count | Actual | | | | |
| 92290 | Paracereis caudata | | count | Actual | | | | |
| 92319 | Dynamenella | | count | Actual | | | | |
| 92339 | Sphaeroma quadridentatum | | count | Actual | | | | |
| 92348 | Cassinidea ovalis | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 92409 | Harrieta faxoni | | count | Actual | | | | |
| 92426E | Limnoria | | count | Actual | | | | |
| 92484 | Aegidae | | count | Actual | | | | |
| 92617 | Erichsonella | | count | Actual | | | | |
| 92618 | Erichsonella attenuata | | count | Actual | | | | |
| 92619 | Erichsonella filiformis | | count | Actual | | | | |
| 92620 | Erichsonella crenulata | | count | Actual | | | | |
| 92622 | Erichsonella floridana | | count | Actual | | | | |
| 92627 | Edotea triloba | | count | Actual | | | | |
| 92837 | Carpas | | count | Actual | | | | |
| 93294 | Amphipoda | | count | Actual | | | | |
| 93321 | Ampelisca | | count | Actual | | | | |
| 93321C | Ampelisca | sp.1 | count | Actual | | | | |
| 93329 | Ampelisca abdita | | count | Actual | | | | |
| 93330 | Ampelisca vadorum | | count | Actual | | | | |
| 93345 | Ampelisca holmesi | | count | Actual | | | | |
| 93382 | Amphilochoidea | | count | Actual | | | | |
| 93408 | Ampithoidae | | count | Actual | | | | |
| 93409 | Ampithoe | | count | Actual | | | | |
| 93429 | Cymadusa | | count | Actual | | | | |
| 93430 | Cymadusa compta | | count | Actual | | | | |
| 93440 | Aoridae | | count | Actual | | | | |
| 93459 | Lembos websteri | | count | Actual | | | | |
| 93494 | Rudilemboidea | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93508 | Argissa hamatipes | | count | Actual | | | | |
| 93528 | Batea catharinensis | | count | Actual | | | | |
| 93530 | Carinobatea | | count | Actual | | | | |
| 93531 | Carinobatea carinata | | count | Actual | | | | |
| 93584 | Corophiidae | | count | Actual | | | | |
| 93585 | Cerapus | | count | Actual | | | | |
| 93585B | Cerapus | sp.1 | count | Actual | | | | |
| 93587 | Cerapus tubularis | | count | Actual | | | | |
| 93588 | Cerapus benthophilus | | count | Actual | | | | |
| 93589 | Corophium | | count | Actual | | | | |
| 93589E | Corophium | sp.1 | count | Actual | | | | |
| 93590 | Corophium acherusicum | | count | Actual | | | | |
| 93605 | Corophium louisianum | | count | Actual | | | | |
| 93611 | Erichthonius | | count | Actual | | | | |
| 93613 | Erichthonius brasiliensis | | count | Actual | | | | |
| 93642 | Grandidierella bonnieroides | | count | Actual | | | | |
| 93745 | Gammaridae | | count | Actual | | | | |
| 93746 | Melitidae | | count | Actual | | | | |
| 93757B | Ceradocus | | count | Actual | | | | |
| 93761 | Elasmopus laevis | | count | Actual | | | | |
| 93773 | Gammarus | | count | Actual | | | | |
| 93781 | Gammarus tigrinus | | count | Actual | | | | |
| 93783 | Gammarus mucronatus | | count | Actual | | | | |
| 93794 | Maera | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93806 | Melita | | count | Actual | | | | |
| 93812 | Melita nitida | | count | Actual | | | | |
| 93848 | Dulichieilla appendiculata | | count | Actual | | | | |
| 93980 | Acanthohaustorius | | count | Actual | | | | |
| 94018 | Haustorius | | count | Actual | | | | |
| 94037 | Hyale | | count | Actual | | | | |
| 94043 | Hyale nilssonii | | count | Actual | | | | |
| 94057 | Isaeidae | | count | Actual | | | | |
| 94061 | Photis | | count | Actual | | | | |
| 94061E | Photis | sp.1 | count | Actual | | | | |
| 94122 | Microprotopus raneyi | | count | Actual | | | | |
| 94205 | Liljeborgiidae | | count | Actual | | | | |
| 94212 | Listriella | | count | Actual | | | | |
| 94213 | Listriella barnardi | | count | Actual | | | | |
| 94214 | Listriella clymenellae | | count | Actual | | | | |
| 94217 | Listriella carinata | | count | Actual | | | | |
| 94224 | Lysianassidae | | count | Actual | | | | |
| 94462 | Lysianopsis | | count | Actual | | | | |
| 94489 | Oedicerotidae | | count | Actual | | | | |
| 94519 | Monoculodes | | count | Actual | | | | |
| 94519D | Monoculodes | sp.1 | count | Actual | | | | |
| 94567 | Synchelidium americanum | | count | Actual | | | | |
| 94633 | Phoxocephalidae | | count | Actual | | | | |
| 94724 | Metharpinia floridana | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 94727 | Rhepoxynius | | count | Actual | | | | |
| 94754 | Eobrolgus | | count | Actual | | | | |
| 94764 | Eudevenopus honduranus | | count | Actual | | | | |
| 94903 | Stenothoidae | | count | Actual | | | | |
| 95375 | Caprellidae | | count | Actual | | | | |
| 95392 | Caprella | | count | Actual | | | | |
| 95410 | Caprella equilibra | | count | Actual | | | | |
| 95434 | Paracaprella tenuis | | count | Actual | | | | |
| 95599 | Decapoda | | count | Actual | | | | |
| 95603 | Penaeus | | count | Actual | | | | |
| 95647 | Trachypenaeus | | count | Actual | | | | |
| 95648 | Trachypenaeus constrictus | | count | Actual | | | | |
| 95916 | Lucifer faxoni | | count | Actual | | | | |
| 95964 | Hadropenaeus affinis | | count | Actual | | | | |
| 96027 | Sicyonia | | count | Actual | | | | |
| 96213 | Palaemonidae | | count | Actual | | | | |
| 96383 | Palaemonetes | | count | Actual | | | | |
| 96390 | Palaemonetes pugio | | count | Actual | | | | |
| 96600 | Alpheidae | | count | Actual | | | | |
| 96601 | Alpheus | | count | Actual | | | | |
| 96678A | Automate | sp.1 | count | Actual | | | | |
| 96678E | Automate | | count | Actual | | | | |
| 96737 | Ogyrides alphaerostris | | count | Actual | | | | |
| 96871 | Latreutes parvulus | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 96917 | Thor | | count | Actual | | | | |
| 96941 | Processidae | | count | Actual | | | | |
| 97732 | Callianassidae | | count | Actual | | | | |
| 97774 | Paguridae | | count | Actual | | | | |
| 97775 | Pagurus | | count | Actual | | | | |
| 97804 | Pagurus annulipes | | count | Actual | | | | |
| 97824 | Pagurus gymnodactylus | | count | Actual | | | | |
| 97828 | Pagurus maclaughlinae | | count | Actual | | | | |
| 98080 | Euceramus | | count | Actual | | | | |
| 98083 | Polyonyx gibbesi | | count | Actual | | | | |
| 98106 | Lepidopa benedicti | | count | Actual | | | | |
| 98153 | Diogenidae | | count | Actual | | | | |
| 98209 | Upogebia affinis | | count | Actual | | | | |
| 98689 | Portunidae | | count | Actual | | | | |
| 98695 | Callinectes | | count | Actual | | | | |
| 98697 | Callinectes similis | | count | Actual | | | | |
| 98748 | Xanthidae | | count | Actual | | | | |
| 98763 | Hexapanopeus | | count | Actual | | | | |
| 98770 | Neopanope | | count | Actual | | | | |
| 98771 | Neopanope texana | | count | Actual | | | | |
| 98779 | Panopeus turgidus | | count | Actual | | | | |
| 98790 | Rhithropanopeus harrisii | | count | Actual | | | | |
| 98964 | Pinnotheridae | | count | Actual | | | | |
| 98993 | Pinnixa | | count | Actual | | | | |

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|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 98993A | Pinnixa | sp.2 | count | Actual | | | | |
| 98993E | Pinnixa | sp.1 | count | Actual | | | | |
| 98998 | Pinnixa chaetoptera | | count | Actual | | | | |
| 99000 | Pinnixa lunzi | | count | Actual | | | | |
| 99002 | Pinnixa sayana | | count | Actual | | | | |
| 99006 | Pinnixa pearsei | | count | Actual | | | | |
| 99039 | Sesarma reticulatum | | count | Actual | | | | |
| E00020 | Asteropella | | count | Actual | | | | |
| E00069 | Eusarsiella | sp.2 | count | Actual | | | | |
| E00073 | Eusarsiella | sp.3 | count | Actual | | | | |
| E00107 | Malmgreniella | sp.1 | count | Actual | | | | |
| E00109 | Malmgreniella | sp.3 | count | Actual | | | | |
| E00128 | Odostomia | sp.2 | count | Actual | | | | |
| E00135 | Oxyurostylis | sp.3 | count | Actual | | | | |
| E00143 | Pectinaria | sp.1 | count | Actual | | | | |
| E00173 | Scoletoma | sp.1 | count | Actual | | | | |
| E00192 | Tectidrilus | | count | Actual | | | | |
| E00193 | Teinostoma | | count | Actual | | | | |
| E02081 | Amygdalum | | count | Actual | | | | |
| E02171 | Austinixa | | count | Actual | | | | |
| E02172 | Aricidea | sp.1 | count | Actual | | | | |
| E02173 | Bispira | sp.1 | count | Actual | | | | |
| E02175 | Capitella | sp.1 | count | Actual | | | | |
| E02176 | Demonax | sp.1 | count | Actual | | | | |

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|---------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| E02177A | Dorvillea rudolphi | | count | Actual | | | | |
| E02182 | Lepidasthenia | sp.1 | count | Actual | | | | |
| E02183 | Maera | sp.1 | count | Actual | | | | |
| E02184 | Melita | sp.1 | count | Actual | | | | |
| E02186 | Minuspio | sp.1 | count | Actual | | | | |
| E02188 | Parandalia | | count | Actual | | | | |
| E02191 | Shoemakerella | | count | Actual | | | | |
| E02192 | Sigambra | sp.1 | count | Actual | | | | |
| E02193 | Sigambra | sp.2 | count | Actual | | | | |
| E02195 | Streblospio | sp.1 | count | Actual | | | | |
| E02205 | Pelecypoda | | count | Actual | | | | |
| E02206 | Pinnixa cristata | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------------|--|------------|-----------------|----------------------------|-------------------------------|---------|
| BSPECNE9 | Benthic infauna: NCA-NE 2000 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | |
| Description | | Counts of benthic infauna collected in one grab for the National Coastal Assessment-Northeast (NE) 2000 program. | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 127076 | Ceratopogonidae | | count | Actual | | | | |
| 127917 | Chironomidae | | count | Actual | | | | |
| 128277 | Procladius | | count | Actual | | | | |
| 128575 | Cricotopus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 129254 | Chironomus | sp.1 | count | Actual | | | | |
| 129368 | Cryptochironomus | | count | Actual | | | | |
| 129516 | Harnischia | | count | Actual | | | | |
| 129657 | Polypedilum | | count | Actual | | | | |
| 129686 | Polypedilum illinoense | | count | Actual | | | | |
| 129708 | Polypedilum scalaenum | | count | Actual | | | | |
| 129711 | Polypedilum simulans | | count | Actual | | | | |
| 129785 | Stictochironomus | | count | Actual | | | | |
| 129978 | Tanytarsus | | count | Actual | | | | |
| 154520 | Sipuncula | | count | Actual | | | | |
| 154734 | Phascolion strombi | | count | Actual | | | | |
| 155153 | Priapula | | count | Actual | | | | |
| 155462 | Phoronis | | count | Actual | | | | |
| 155469 | Ectoprocta | | count | Actual | | | | |
| 156857 | Echinodermata | | count | Actual | | | | |
| 156862 | Asteroidea | | count | Actual | | | | |
| 157217 | Asterias forbesi | | count | Actual | | | | |
| 157325 | Ophiuroidea | | count | Actual | | | | |
| 157424 | Ophiura sarsi | | count | Actual | | | | |
| 157646 | Amphiuridae | | count | Actual | | | | |
| 157676 | Amphipholis squamata | | count | Actual | | | | |
| 157709 | Amphioplus abdita | | count | Actual | | | | |
| 157821 | Echinoidea | | count | Actual | | | | |
| 158016 | Echinarachnius parma | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 158140 | Holothuroidea | | count | Actual | | | | |
| 158297 | Sclerodactyla briareus | | count | Actual | | | | |
| 158432 | Leptosynapta tenuis | | count | Actual | | | | |
| 158854 | Asciacea | | count | Actual | | | | |
| 159296 | Dendrodoa carnea | | count | Actual | | | | |
| 159337 | Styela clava | | count | Actual | | | | |
| 159681 | Branchiostoma | | count | Actual | | | | |
| 182724 | Lumbrinereis | | count | Actual | | | | |
| 182726 | Lumbrineris acicularum | | count | Actual | | | | |
| 182728 | Scoloplos robustus | | count | Actual | | | | |
| 204494 | Aricidea cerrutii | | count | Actual | | | | |
| 204501 | Polydora cornuta | | count | Actual | | | | |
| 204530 | Tharyx dorsobranchialis | | count | Actual | | | | |
| 205822 | Eusarsiella zostericola | | count | Actual | | | | |
| 46861 | Porifera | | count | Actual | | | | |
| 48739 | Hydrozoa | | count | Actual | | | | |
| 48891 | Clava multicornis | | count | Actual | | | | |
| 52485 | Actiniaria | sp.1 | count | Actual | | | | |
| 53964 | Turbellaria | | count | Actual | | | | |
| 544186 | Edotia triloba | | count | Actual | | | | |
| 553094 | Hydrozetes | | count | Actual | | | | |
| 555698 | Podarkeopsis levifuscina | | count | Actual | | | | |
| 567846 | Macoma balthica | | count | Actual | | | | |
| 568245 | Pythinella cuneata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 573719 | Aphelochaeta | sp.1 | count | Actual | | | | |
| 573739 | Marenzelleria viridis | | count | Actual | | | | |
| 573740 | Spio gonocephala | | count | Actual | | | | |
| 57411 | Nemertea | | count | Actual | | | | |
| 57416 | Tubulanus | | count | Actual | | | | |
| 57443 | Lineidae | | count | Actual | | | | |
| 59490 | Nemata | | count | Actual | | | | |
| 609939 | Podocopida | | count | Actual | | | | |
| 609939A | Podocopida | | count | Actual | | | | |
| 64358 | Polychaeta | | count | Actual | | | | |
| 64397 | Polynoidae | | count | Actual | | | | |
| 64478 | Gattyana cirrosa | | count | Actual | | | | |
| 64502 | Harmothoe | | count | Actual | | | | |
| 64509 | Harmothoe extenuata | | count | Actual | | | | |
| 64513 | Harmothoe imbricata | | count | Actual | | | | |
| 64604 | Lepidonotus squamatus | | count | Actual | | | | |
| 64610 | Lepidonotus sublevis | | count | Actual | | | | |
| 65074 | Pholoe minuta | | count | Actual | | | | |
| 65084 | Sthenelais boa | | count | Actual | | | | |
| 65086 | Sthenelais limicola | | count | Actual | | | | |
| 65094 | Sigalion arenicola | | count | Actual | | | | |
| 65138 | Fimbriosthenelais minor | | count | Actual | | | | |
| 65228 | Phyllodocidae | | count | Actual | | | | |
| 65233 | Anaitides groenlandica | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65241 | Anaitides maculata | | count | Actual | | | | |
| 65263 | Eteone longa | | count | Actual | | | | |
| 65266 | Eteone heteropoda | | count | Actual | | | | |
| 65276 | Eteone fauchaldi | | count | Actual | | | | |
| 65321 | Paranaitis speciosa | | count | Actual | | | | |
| 65343 | Eumida sanguinea | | count | Actual | | | | |
| 65359 | Phyllodoce | | count | Actual | | | | |
| 65366 | Phyllodoce arenae | | count | Actual | | | | |
| 65467 | Hesionidae | | count | Actual | | | | |
| 65476 | Microphthalmus | | count | Actual | | | | |
| 65476A | Microphthalmus | sp.1 | count | Actual | | | | |
| 65477 | Microphthalmus sczelkowi | | count | Actual | | | | |
| 65478 | Microphthalmus aberrans | | count | Actual | | | | |
| 65517 | Podarke obscura | | count | Actual | | | | |
| 65543 | Ancistrosyllis hartmanae | | count | Actual | | | | |
| 65545 | Ancistrosyllis groenlandica | | count | Actual | | | | |
| 65552 | Sigambra tentaculata | | count | Actual | | | | |
| 65565 | Cabira incerta | | count | Actual | | | | |
| 65587 | Syllidae | | count | Actual | | | | |
| 65587A | Syllidae | sp.1 | count | Actual | | | | |
| 65588 | Autolytus | | count | Actual | | | | |
| 65629 | Syllis | | count | Actual | | | | |
| 65635 | Syllis cornuta | | count | Actual | | | | |
| 65721 | Exogone | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65721A | Exogone | sp.1 | count | Actual | | | | |
| 65722 | Exogone dispar | | count | Actual | | | | |
| 65727 | Exogone verugera | | count | Actual | | | | |
| 65730 | Exogone hebes | | count | Actual | | | | |
| 65734 | Exogone longicirrus | | count | Actual | | | | |
| 65747 | Sphaerosyllis taylori | | count | Actual | | | | |
| 65753 | Sphaerosyllis longicauda | | count | Actual | | | | |
| 65762 | Brania wellfleetensis | | count | Actual | | | | |
| 65789 | Odontosyllis fulgurans | | count | Actual | | | | |
| 65806 | Syllides longocirrata | | count | Actual | | | | |
| 65812 | Syllides setosa | | count | Actual | | | | |
| 65818 | Streptosyllis arenae | | count | Actual | | | | |
| 65819 | Streptosyllis varians | | count | Actual | | | | |
| 65824 | Parapionosyllis longicirrata | | count | Actual | | | | |
| 65870 | Nereididae | | count | Actual | | | | |
| 65870A | Nereididae | sp.1 | count | Actual | | | | |
| 65892 | Neanthes virens | | count | Actual | | | | |
| 65902 | Nereis | | count | Actual | | | | |
| 65902A | Nereis | | count | Actual | | | | |
| 65905 | Nereis pelagica | | count | Actual | | | | |
| 65916 | Nereis grayi | | count | Actual | | | | |
| 65917 | Neanthes succinea | | count | Actual | | | | |
| 65920 | Nereis diversicolor | | count | Actual | | | | |
| 65926 | Nereis acuminata | | count | Actual | | | | |

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|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65950 | Platynereis dumerilii | | count | Actual | | | | |
| 65965 | Laeonereis culveri | | count | Actual | | | | |
| 66010 | Nephtyidae | | count | Actual | | | | |
| 66011 | Nephtys | | count | Actual | | | | |
| 66014 | Nephtys caeca | | count | Actual | | | | |
| 66027 | Nephtys bucera | | count | Actual | | | | |
| 66028 | Nephtys incisa | | count | Actual | | | | |
| 66030 | Nephtys picta | | count | Actual | | | | |
| 66031 | Nephtys squamosa | | count | Actual | | | | |
| 66053 | Aglaophamus circinata | | count | Actual | | | | |
| 66082 | Ephesiella minuta | | count | Actual | | | | |
| 66101 | Glyceridae | | count | Actual | | | | |
| 66102 | Glycera | | count | Actual | | | | |
| 66103 | Glycera capitata | | count | Actual | | | | |
| 66106 | Glycera americana | | count | Actual | Mean | | | |
| 66107 | Glycera dibranchiata | | count | Actual | | | | |
| 66126 | Goniadidae | | count | Actual | | | | |
| 66132 | Glycinde solitaria | | count | Actual | | | | |
| 66140 | Goniada maculata | | count | Actual | | | | |
| 66148 | Goniadella gracilis | | count | Actual | | | | |
| 66157 | Onuphidae | | count | Actual | | | | |
| 66164 | Onuphis eremita | | count | Actual | | | | |
| 66180 | Diopatra cuprea | | count | Actual | | | | |
| 66330 | Nematonereis hebes | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66335 | Lumbrineridae | | count | Actual | | | | |
| 66338 | Lumbrineris fragilis | | count | Actual | | | | |
| 66351 | Lumbrineris tenuis | | count | Actual | | | | |
| 66354 | Lumbrineris impatiens | | count | Actual | | | | |
| 66365 | Lumbrineris ernesti | | count | Actual | | | | |
| 66366 | Lumbrineris verrilli | | count | Actual | | | | |
| 66384 | Lumbrineris hebes | | count | Actual | | | | |
| 66405 | Ninoe nigripes | | count | Actual | | | | |
| 66408 | Lumbrinerides acuta | | count | Actual | | | | |
| 66426 | Drilonereis longa | | count | Actual | | | | |
| 66441 | Arabella iricolor | | count | Actual | | | | |
| 66444 | Arabella mutans | | count | Actual | | | | |
| 66478 | Dorvilleidae | | count | Actual | | | | |
| 66501 | Ophryotrocha | | count | Actual | | | | |
| 66523 | Schistomeringos rudolphi | | count | Actual | | | | |
| 66536 | Pettiboneia | | count | Actual | | | | |
| 66553 | Parougia caeca | | count | Actual | | | | |
| 66595 | Scoloplos armiger | | count | Actual | | | | |
| 66603 | Scoloplos rubra | | count | Actual | | | | |
| 66653 | Leitoscoloplos | | count | Actual | | | | |
| 66656 | Leitoscoloplos fragilis | | count | Actual | | | | |
| 66666 | Aricidea | sp.1 | count | Actual | | | | |
| 66667 | Aricidea suecica | | count | Actual | | | | |
| 66673 | Aricidea wassi | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66680 | Aricidea quadrilobata | | count | Actual | | | | |
| 66696 | Paraonis | | count | Actual | | | | |
| 66697 | Paraonis fulgens | | count | Actual | | | | |
| 66708 | Cirrophorus | | count | Actual | | | | |
| 66708A | Cirrophorus | | count | Actual | | | | |
| 66711 | Cirrophorus lyra | | count | Actual | | | | |
| 66715 | Cirrophorus brevicirratus | | count | Actual | | | | |
| 66729 | Levinsenia gracilis | | count | Actual | | | | |
| 66765 | Acmira catherinae | | count | Actual | | | | |
| 66778 | Apistobanchus tullbergi | | count | Actual | | | | |
| 66781 | Spionidae | | count | Actual | | | | |
| 66791 | Polydora socialis | | count | Actual | | | | |
| 66794 | Polydora caulleryi | | count | Actual | | | | |
| 66798 | Polydora quadrilobata | | count | Actual | | | | |
| 66838 | Prionospio | | count | Actual | | | | |
| 66843 | Prionospio heterobranchia | | count | Actual | | | | |
| 66845 | Prionospio steenstrupi | | count | Actual | | | | |
| 66847 | Prionospio pygmaea | | count | Actual | | | | |
| 66854 | Prionospio perkinsi | | count | Actual | | | | |
| 66864 | Spio | | count | Actual | | | | |
| 66864A | Spio | sp.1 | count | Actual | | | | |
| 66865 | Spio filicornis | | count | Actual | | | | |
| 66868 | Spio setosa | | count | Actual | | | | |
| 66897 | Spiophanes bombyx | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66902 | Spiophanes wigleyi | | count | Actual | | | | |
| 66917 | Pygospio elegans | | count | Actual | | | | |
| 66926 | Pseudopolydora | | count | Actual | | | | |
| 66926A | Pseudopolydora | sp.1 | count | Actual | | | | |
| 66937 | Paraprionospio pinnata | | count | Actual | | | | |
| 66939 | Streblospio benedicti | | count | Actual | | | | |
| 66941 | Dispio uncinata | | count | Actual | | | | |
| 66942 | Scoleclepis | | count | Actual | | | | |
| 66943 | Scoleclepis squamata | | count | Actual | | | | |
| 66949 | Scoleclepis texana | | count | Actual | | | | |
| 67003 | Carazziella hobsonae | | count | Actual | | | | |
| 67043 | Magelona | | count | Actual | | | | |
| 67047 | Magelona rosea | | count | Actual | | | | |
| 67051 | Magelona papillicornis | | count | Actual | | | | |
| 67110 | Spiochaetopterus oculatus | | count | Actual | | | | |
| 67116 | Cirratulidae | | count | Actual | | | | |
| 67122 | Cirratulus grandis | | count | Actual | | | | |
| 67126 | Caulleriella | sp.1 | count | Actual | | | | |
| 67141 | Tharyx | | count | Actual | | | | |
| 67147 | Tharyx acutus | | count | Actual | | | | |
| 67157 | Chaetozone setosa | | count | Actual | | | | |
| 67205 | Cossuridae | | count | Actual | | | | |
| 67206 | Cossura | | count | Actual | | | | |
| 67210 | Cossura soyeri | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67216 | Cossurella | | count | Actual | | | | |
| 67244 | Pherusa plumosa | | count | Actual | | | | |
| 67247 | Pherusa affinis | | count | Actual | | | | |
| 67263 | Diplocirrus hirsutus | | count | Actual | | | | |
| 67313 | Scalibregma inflatum | | count | Actual | | | | |
| 67369 | Travisia carnea | | count | Actual | | | | |
| 67391 | Ophelina acuminata | | count | Actual | | | | |
| 67411 | Sternaspis scutata | | count | Actual | | | | |
| 67413 | Capitellidae | | count | Actual | | | | |
| 67414 | Capitella | | count | Actual | | | | |
| 67415 | Capitella capitata | | count | Actual | | | | |
| 67419 | Heteromastus | | count | Actual | | | | |
| 67420 | Heteromastus filiformis | | count | Actual | | | | |
| 67423 | Notomastus | | count | Actual | | | | |
| 67429 | Notomastus latericeus | | count | Actual | | | | |
| 67431 | Notomastus hemipodus | | count | Actual | | | | |
| 67438 | Mediomastus | | count | Actual | | | | |
| 67439 | Mediomastus ambiseta | | count | Actual | | | | |
| 67440 | Mediomastus californiensis | | count | Actual | | | | |
| 67515 | Maldanidae | | count | Actual | | | | |
| 67528 | Clymenella torquata | | count | Actual | | | | |
| 67554 | Petaloproctus tenuis | | count | Actual | | | | |
| 67566 | Axiothella mucosa | | count | Actual | | | | |
| 67569 | Praxillella gracilis | | count | Actual | | | | |

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|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67581 | Rhodine loveni | | count | Actual | | | | |
| 67644 | Oweniidae | | count | Actual | | | | |
| 67647 | Owenia fusiformis | | count | Actual | | | | |
| 67662 | Galathowenia oculata | | count | Actual | | | | |
| 67671 | Sabellaria vulgaris | | count | Actual | | | | |
| 67692 | Pectinariidae | | count | Actual | | | | |
| 67709 | Pectinaria gouldi | | count | Actual | | | | |
| 67711 | Pectinaria granulata | | count | Actual | | | | |
| 67718 | Ampharetidae | | count | Actual | | | | |
| 67735 | Ampharete acutifrons | | count | Actual | | | | |
| 67747 | Amphicteis gunneri | | count | Actual | | | | |
| 67763 | Melinna cristata | | count | Actual | | | | |
| 67766 | Melinna maculata | | count | Actual | | | | |
| 67786 | Asabellides oculata | | count | Actual | | | | |
| 67810 | Hypaniola | | count | Actual | | | | |
| 67899 | Terebellidae | | count | Actual | | | | |
| 67902 | Amphitrite ornata | | count | Actual | | | | |
| 67904 | Amphitrite johnstoni | | count | Actual | | | | |
| 67906 | Eupolymnia | | count | Actual | | | | |
| 67913 | Eupolymnia nebulosa | | count | Actual | | | | |
| 67959 | Polycirrus | | count | Actual | | | | |
| 67959A | Polycirrus | sp.1 | count | Actual | | | | |
| 68014 | Loimia | | count | Actual | | | | |
| 68015 | Loimia medusa | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 68069 | Terebellides stroemi | | count | Actual | | | | |
| 68076 | Sabellidae | | count | Actual | | | | |
| 68077 | Chone | | count | Actual | | | | |
| 68095 | Euchone incolor | | count | Actual | | | | |
| 68113 | Megalomma | | count | Actual | | | | |
| 68127 | Potamilla neglecta | | count | Actual | | | | |
| 68149 | Schizobranchia insignis | | count | Actual | | | | |
| 68172 | Manayunkia speciosa | | count | Actual | | | | |
| 68221 | Demonax | | count | Actual | | | | |
| 68222 | Demonax microphthalmus | | count | Actual | | | | |
| 68232 | Serpulidae | | count | Actual | | | | |
| 68281 | Hydroides | | count | Actual | | | | |
| 68282 | Hydroides dianthus | | count | Actual | | | | |
| 68372 | Novaquesta trifurcata | | count | Actual | | | | |
| 68440 | Lumbriculidae | | count | Actual | | | | |
| 68510 | Enchytraeidae | | count | Actual | | | | |
| 68585 | Tubificidae | | count | Actual | | | | |
| 68595 | Tubificoides heterochaetus | | count | Actual | | | | |
| 68639 | Limnodrilus hoffmeisteri | | count | Actual | | | | |
| 69459 | Gastropoda | | count | Actual | | | | |
| 70381 | Lacuna vincta | | count | Actual | | | | |
| 70414 | Littorina irrorata | | count | Actual | | | | |
| 70419 | Littorina littorea | | count | Actual | | | | |
| 70493 | Hydrobiidae | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 70500 | Hydrobia totteni | | count | Actual | | | | |
| 70823 | Onoba pelagica | | count | Actual | | | | |
| 71067 | Vitrinella | | count | Actual | | | | |
| 71177 | Circulus multistriatus | | count | Actual | | | | |
| 71379 | Caecum | | count | Actual | | | | |
| 71380 | Caecum pulchellum | | count | Actual | | | | |
| 71975 | Cerithiidae | | count | Actual | | | | |
| 71989 | Bittium alternatum | | count | Actual | | | | |
| 72611 | Calyptraeidae | | count | Actual | | | | |
| 72619 | Crepidula | | count | Actual | | | | |
| 72623 | Crepidula fornicata | | count | Actual | | | | |
| 72624 | Crepidula convexa | | count | Actual | | | | |
| 72627 | Crepidula plana | | count | Actual | | | | |
| 72878 | Naticidae | | count | Actual | | | | |
| 72957 | Tectonatica pusilla | | count | Actual | | | | |
| 72961 | Neverita duplicata | | count | Actual | | | | |
| 72985 | Euspira heros | | count | Actual | | | | |
| 73236 | Muricidae | | count | Actual | | | | |
| 73300 | Eupleura caudata | | count | Actual | Mean | | | |
| 73537 | Amphissa haliaeeti | | count | Actual | | | | |
| 73542 | Mitrella | | count | Actual | | | | |
| 73552 | Mitrella lunata | | count | Actual | | | | |
| 73617 | Anachis avara | | count | Actual | | | | |
| 73631 | Anachis lafresnayi | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 74102 | Nassariidae | | count | Actual | | | | |
| 74107 | Nassarius vibex | | count | Actual | | | | |
| 74169 | Nassarius obsoletus | | count | Actual | | | | |
| 74170 | Nassarius trivittatus | | count | Actual | | | | |
| 74806 | Kurtziella cerina | | count | Actual | | | | |
| 75446 | Pyramidellidae | | count | Actual | | | | |
| 75447 | Odostomia | | count | Actual | | | | |
| 75447A | Odostomia | | count | Actual | | | | |
| 75497 | Odostomia trifida | | count | Actual | | | | |
| 75676 | Turbonilla | | count | Actual | | | | |
| 75687 | Turbonilla interrupta | | count | Actual | | | | |
| 75988 | Boonea bisuturalis | | count | Actual | | | | |
| 76083 | Rictaxis punctostriatus | | count | Actual | | | | |
| 76117 | Acteocina canaliculata | | count | Actual | | | | |
| 76152 | Cylichna gouldii | | count | Actual | | | | |
| 76172 | Cylichnella | | count | Actual | | | | |
| 76181 | Philine lima | | count | Actual | | | | |
| 76258 | Haminoea solitaria | | count | Actual | | | | |
| 76279 | Retusa obtusa | | count | Actual | | | | |
| 76317 | Cylichnidae | | count | Actual | | | | |
| 76591 | Planorbidae | | count | Actual | | | | |
| 78156 | Nudibranchia | | count | Actual | | | | |
| 78381 | Onchidoris muricata | | count | Actual | | | | |
| 78439 | Doridella obscura | | count | Actual | | | | |

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|--------|-----------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 78807 | Polyplacophora | | count | Actual | | | | |
| 79056 | Aplacophora | | count | Actual | | | | |
| 79118 | Bivalvia | | count | Actual | | | | |
| 79123 | Nuculidae | | count | Actual | | | | |
| 79126 | Nucula | | count | Actual | | | | |
| 79128 | Nucula tenuis | | count | Actual | | | | |
| 79132 | Nucula proxima | | count | Actual | | | | |
| 79177 | Nuculanidae | | count | Actual | | | | |
| 79192 | Nuculana pernula | | count | Actual | | | | |
| 79258 | Yoldia | | count | Actual | | | | |
| 79273 | Yoldia limatula | | count | Actual | | | | |
| 79274 | Yoldia sapotilla | | count | Actual | | | | |
| 79314 | Solemya | | count | Actual | | | | |
| 79316 | Solemya velum | | count | Actual | | | | |
| 79340 | Anadara transversa | | count | Actual | | | | |
| 79451 | Mytilidae | | count | Actual | | | | |
| 79454 | Mytilus edulis | | count | Actual | | | | |
| 79459 | Crenella decussata | | count | Actual | | | | |
| 79529 | Amygdalum papyrium | | count | Actual | | | | |
| 79555 | Geukensia demissa | | count | Actual | | | | |
| 79740 | Argopecten irradians concentricus | | count | Actual | | | | |
| 79798 | Anomia simplex | | count | Actual | | | | |
| 79872 | Crassostrea virginica | | count | Actual | | | | |
| 80385 | Lucinidae | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 80525 | Thyasira trisinuata | | count | Actual | | | | |
| 80650 | Lasaeidae | | count | Actual | | | | |
| 80661 | Mysella planulata | | count | Actual | | | | |
| 80744 | Cyclocardia borealis | | count | Actual | | | | |
| 80797 | Astarte | | count | Actual | | | | |
| 80801 | Astarte castanea | | count | Actual | | | | |
| 80811 | Astarte undata | | count | Actual | | | | |
| 80831 | Astarte borealis | | count | Actual | | | | |
| 80851 | Crassinella lunulata | | count | Actual | | | | |
| 80891 | Laevicardium mortoni | | count | Actual | | | | |
| 80900 | Cerastoderma pinnulatum | | count | Actual | | | | |
| 80942 | Mactridae | | count | Actual | | | | |
| 80944 | Spisula solidissima | | count | Actual | | | | |
| 80959 | Mulinia lateralis | | count | Actual | | | | |
| 81006 | Solenidae | | count | Actual | | | | |
| 81017 | Solen viridis | | count | Actual | | | | |
| 81021 | Ensis | | count | Actual | | | | |
| 81022 | Ensis directus | | count | Actual | | | | |
| 81032 | Tellinidae | | count | Actual | | | | |
| 81033 | Macoma | | count | Actual | | | | |
| 81055 | Macoma tenta | | count | Actual | | | | |
| 81074 | Tellina | | count | Actual | | | | |
| 81088 | Tellina agilis | | count | Actual | | | | |
| 81272 | Tagelus plebeius | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 81289 | Semelidae | | count | Actual | | | | |
| 81304 | Abra lioica | | count | Actual | | | | |
| 81387 | Corbicula fluminea | | count | Actual | | | | |
| 81389 | Pisidiidae | | count | Actual | | | | |
| 81439 | Veneridae | | count | Actual | | | | |
| 81496 | Mercenaria mercenaria | | count | Actual | | | | |
| 81501 | Pitar morrhuanus | | count | Actual | | | | |
| 81511 | Gemma gemma | | count | Actual | | | | |
| 81627 | Petricola pholadiformis | | count | Actual | | | | |
| 81688 | Myidae | | count | Actual | | | | |
| 81691 | Mya | | count | Actual | | | | |
| 81692 | Mya arenaria | | count | Actual | Mean | | | |
| 81712 | Corbula contracta | | count | Actual | | | | |
| 81765 | Hiatella arctica | | count | Actual | | | | |
| 81889 | Pandora | | count | Actual | | | | |
| 81896 | Pandora gouldiana | | count | Actual | | | | |
| 81926 | Lyonsia hyalina | | count | Actual | | | | |
| 81941 | Periploma | | count | Actual | | | | |
| 81945 | Periploma papyratium | | count | Actual | | | | |
| 82115 | Scaphopoda | | count | Actual | | | | |
| 82703 | Limulus polyphemus | | count | Actual | | | | |
| 82771 | Halacaridae | | count | Actual | | | | |
| 82864 | Arrenurus | sp.1 | count | Actual | | | | |
| 83006 | Sperchon | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 83051 | Limnesia | | count | Actual | | | | |
| 83103 | Neumania | | count | Actual | | | | |
| 83244 | Oxus | | count | Actual | | | | |
| 83479 | Mideopsis | | count | Actual | | | | |
| 83682 | Hutchinsoniella macracantha | | count | Actual | | | | |
| 83863 | Sida crystallina | | count | Actual | | | | |
| 84132 | Ilyocryptus | | count | Actual | | | | |
| 84195 | Ostracoda | | count | Actual | | | | |
| 84215 | Cylindroleberididae | | count | Actual | | | | |
| 84233 | Parasterope pollex | | count | Actual | | | | |
| 84300 | Eusarsiella | | count | Actual | | | | |
| 84300A | Eusarsiella | sp.1 | count | Actual | | | | |
| 84300B | Eusarsiella | sp.2 | count | Actual | | | | |
| 84300C | Eusarsiella | sp.3 | count | Actual | | | | |
| 84682 | Pterygocythereis | | count | Actual | | | | |
| 84735 | Haplocytheridea | | count | Actual | | | | |
| 84736 | Haplocytheridea setipunctata | | count | Actual | | | | |
| 85066 | Pellucistoma | | count | Actual | | | | |
| 89807 | Lophogastrida | | count | Actual | | | | |
| 89856 | Mysidae | | count | Actual | | | | |
| 89977 | Heteromysis formosa | | count | Actual | | | | |
| 90062 | Neomysis americana | | count | Actual | | | | |
| 90139 | Mysidopsis bigelowi | | count | Actual | | | | |
| 90745 | Cumacea | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 90752 | Lamprops quadriplicata | | count | Actual | | | | |
| 90790 | Leucon americanus | | count | Actual | | | | |
| 90799 | Eudorella | | count | Actual | | | | |
| 90810 | Eudorella pusilla | | count | Actual | | | | |
| 90835 | Diastylidae | | count | Actual | | | | |
| 90836 | Diastylis | | count | Actual | | | | |
| 90836A | Diastylis | sp.1 | count | Actual | | | | |
| 90858 | Diastylis polita | | count | Actual | | | | |
| 90865 | Diastylis sculpta | | count | Actual | | | | |
| 90866 | Diastylis abbreviata | | count | Actual | | | | |
| 90883 | Leptostylis longimana | | count | Actual | | | | |
| 90923 | Oxyurostylis smithi | | count | Actual | | | | |
| 90941 | Campylaspis affinis | | count | Actual | | | | |
| 90979 | Almyracuma proximoculi | | count | Actual | | | | |
| 91032 | Cyclaspis pustulata | | count | Actual | | | | |
| 91033 | Cyclaspis varians | | count | Actual | | | | |
| 91566 | Tanaissus | | count | Actual | | | | |
| 91567 | Tanaissus lilljeborgi | | count | Actual | | | | |
| 91573 | Tanaissus psammophilus | | count | Actual | | | | |
| 92026 | Leptocheilia | | count | Actual | | | | |
| 92048 | Leptocheilia dubia | | count | Actual | | | | |
| 92068 | Leptocheilia rapax | | count | Actual | | | | |
| 92149 | Cyathura polita | | count | Actual | | | | |
| 92155 | Ptilanthura tenuis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 92280 | Politolana polita | | count | Actual | | | | |
| 92334 | Ancinus depressus | | count | Actual | | | | |
| 92566 | Synidotea | | count | Actual | | | | |
| 92593 | Idotea metallica | | count | Actual | | | | |
| 92596 | Idotea balthica | | count | Actual | | | | |
| 92597 | Idotea phosphorea | | count | Actual | | | | |
| 92617 | Erichsonella | | count | Actual | | | | |
| 92618 | Erichsonella attenuata | | count | Actual | | | | |
| 92619 | Erichsonella filiformis | | count | Actual | | | | |
| 92641 | Chiridotea caeca | | count | Actual | | | | |
| 92643 | Chiridotea tuftsii | | count | Actual | | | | |
| 92960 | Munna fabricii | | count | Actual | | | | |
| 93055 | Pleurogonium | | count | Actual | | | | |
| 93056 | Pleurogonium spinosissimum | | count | Actual | | | | |
| 93294 | Amphipoda | | count | Actual | | | | |
| 93320 | Ampeliscidae | | count | Actual | | | | |
| 93321 | Ampelisca | | count | Actual | | | | |
| 93321A | Ampelisca | sp.1 | count | Actual | | | | |
| 93331 | Ampelisca verrilli | | count | Actual | | | | |
| 93361 | Byblis | | count | Actual | | | | |
| 93408 | Ampithoidae | | count | Actual | | | | |
| 93430 | Cymadusa compta | | count | Actual | | | | |
| 93440 | Aoridae | | count | Actual | | | | |
| 93458 | Lembos smithi | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93459 | Lembos websteri | | count | Actual | | | | |
| 93476 | Microdeutopus | | count | Actual | | | | |
| 93477 | Microdeutopus gryllotalpa | | count | Actual | | | | |
| 93478 | Microdeutopus anomalus | | count | Actual | | | | |
| 93485 | Leptocheirus | | count | Actual | | | | |
| 93486 | Leptocheirus plumulosus | | count | Actual | | | | |
| 93487 | Leptocheirus pinguis | | count | Actual | | | | |
| 93493 | Acuminodeutopus naglei | | count | Actual | | | | |
| 93508 | Argissa hamatipes | | count | Actual | | | | |
| 93527 | Batea | | count | Actual | | | | |
| 93528 | Batea catharinensis | | count | Actual | | | | |
| 93584 | Corophiidae | | count | Actual | | | | |
| 93587 | Cerapus tubularis | | count | Actual | | | | |
| 93589 | Corophium | | count | Actual | | | | |
| 93590 | Corophium acherusicum | | count | Actual | | | | |
| 93592 | Corophium crassicorne | | count | Actual | | | | |
| 93594 | Corophium lacustre | | count | Actual | | | | |
| 93596 | Corophium tuberculatum | | count | Actual | | | | |
| 93600 | Corophium insidiosum | | count | Actual | | | | |
| 93601 | Corophium volutator | | count | Actual | | | | |
| 93611 | Erichthonius | | count | Actual | | | | |
| 93613 | Erichthonius brasiliensis | | count | Actual | | | | |
| 93617 | Erichthonius rubricornis | | count | Actual | | | | |
| 93629 | Unciola | | count | Actual | | | | |

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|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93632 | Unciola irrorata | | count | Actual | | | | |
| 93633 | Unciola serrata | | count | Actual | | | | |
| 93665 | Dexamine thea | | count | Actual | | | | |
| 93723 | Pontogeneia inermis | | count | Actual | | | | |
| 93745 | Gammaridae | | count | Actual | | | | |
| 93746 | Melitidae | | count | Actual | | | | |
| 93760 | Elasmopus | | count | Actual | | | | |
| 93761 | Elasmopus laevis | | count | Actual | | | | |
| 93773 | Gammarus | | count | Actual | | | | |
| 93782 | Gammarus palustris | | count | Actual | | | | |
| 93783 | Gammarus mucronatus | | count | Actual | | | | |
| 93785 | Gammarus annulatus | | count | Actual | | | | |
| 93812 | Melita nitida | | count | Actual | | | | |
| 93835 | Casco bigelowi | | count | Actual | | | | |
| 93847 | Dulichieilla | | count | Actual | | | | |
| 93848 | Dulichieilla appendiculata | | count | Actual | | | | |
| 93959 | Haustoriidae | | count | Actual | | | | |
| 93981 | Acanthohaustorius intermedius | | count | Actual | | | | |
| 93982 | Acanthohaustorius millsi | | count | Actual | | | | |
| 93991 | Bathyporeia quoddyensis | | count | Actual | | | | |
| 94006 | Parahaustorius longimerus | | count | Actual | | | | |
| 94008 | Protohaustorius | | count | Actual | | | | |
| 94010 | Protohaustorius wigleyi | | count | Actual | | | | |
| 94057 | Isaeidae | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 94061 | Photis | | count | Actual | | | | |
| 94069 | Photis macrocoxa | | count | Actual | | | | |
| 94121 | Microprotopus | | count | Actual | | | | |
| 94122 | Microprotopus raneyi | | count | Actual | | | | |
| 94143 | Ischyroceridae | | count | Actual | | | | |
| 94153 | Ischyrocerus anguipes | | count | Actual | | | | |
| 94171 | Jassa falcata | | count | Actual | | | | |
| 94212 | Listriella | | count | Actual | | | | |
| 94213 | Listriella barnardi | | count | Actual | | | | |
| 94224 | Lysianassidae | | count | Actual | | | | |
| 94233 | Anonyx lilljeborgi | | count | Actual | | | | |
| 94458 | Orchomenella minuta | | count | Actual | | | | |
| 94466 | Lysianopsis alba | | count | Actual | | | | |
| 94489 | Oedicerotidae | | count | Actual | | | | |
| 94519 | Monoculodes | | count | Actual | | | | |
| 94536 | Monoculodes intermedius | | count | Actual | | | | |
| 94567 | Synchelidium americanum | | count | Actual | | | | |
| 94633 | Phoxocephalidae | | count | Actual | | | | |
| 94650 | Harpinia propinqua | | count | Actual | | | | |
| 94677 | Phoxocephalus holbolli | | count | Actual | | | | |
| 94730 | Rhepoxynius hudsoni | | count | Actual | | | | |
| 94755 | Eobrolgus spinosus | | count | Actual | | | | |
| 94809 | Stenopleustes gracilis | | count | Actual | | | | |
| 94811 | Stenopleustes inermis | | count | Actual | | | | |

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|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 94830 | Dulichia porrecta | | count | Actual | | | | |
| 94912 | Metopella angusta | | count | Actual | | | | |
| 95019 | Tiron spiniferum | | count | Actual | | | | |
| 95383 | Mayerella limicola | | count | Actual | | | | |
| 95392 | Caprella | | count | Actual | | | | |
| 95419 | Caprella penantis | | count | Actual | | | | |
| 95432 | Aeginina longicornis | | count | Actual | | | | |
| 95434 | Paracaprella tenuis | | count | Actual | | | | |
| 95474 | Aeginellidae | | count | Actual | | | | |
| 95599 | Decapoda | | count | Actual | | | | |
| 95605 | Penaeus aztecus | | count | Actual | | | | |
| 96213 | Palaemonidae | | count | Actual | | | | |
| 96391 | Palaemonetes vulgaris | | count | Actual | | | | |
| 96737 | Ogyrides alphaerostris | | count | Actual | | | | |
| 97106 | Crangonidae | | count | Actual | | | | |
| 97110 | Crangon septemspinosa | | count | Actual | | | | |
| 97733 | Callianassa | | count | Actual | | | | |
| 97760 | Gilvossius setimanus | | count | Actual | | | | |
| 97774 | Paguridae | | count | Actual | | | | |
| 97775 | Pagurus | | count | Actual | | | | |
| 97807 | Pagurus longicarpus | | count | Actual | | | | |
| 97808 | Pagurus politus | | count | Actual | | | | |
| 98209 | Upogebia affinis | | count | Actual | | | | |
| 98417 | Majidae | | count | Actual | | | | |

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|----------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 98454 | Libinia dubia | | count | Actual | | | | |
| 98679 | Cancer irroratus | | count | Actual | Mean | | | |
| 98689 | Portunidae | | count | Actual | | | | |
| 98714 | Ovalipes ocellatus | | count | Actual | | | | |
| 98748 | Xanthidae | | count | Actual | | | | |
| 98768 | Hexapanopeus lobipes | | count | Actual | | | | |
| 98775 | Neopanope sayi | | count | Actual | | | | |
| 98778 | Panopeus herbstii | | count | Actual | | | | |
| 98790 | Rhithropanopeus harrisii | | count | Actual | | | | |
| 98964 | Pinnotheridae | | count | Actual | | | | |
| 98966 | Dissodactylus mellitae | | count | Actual | | | | |
| 98976 | Pinnotheres ostreum | | count | Actual | | | | |
| 98993 | Pinnixa | | count | Actual | | | | |
| 98998 | Pinnixa chaetoptera | | count | Actual | | | | |
| 99002 | Pinnixa sayana | | count | Actual | | | | |
| HARGRAPX | Hargeria rapax | | count | Actual | | | | |
| ILYAOSBO | Ilyanassa obsoleta | | count | Actual | | | | |
| ILYATRIV | Ilyanassa trivittata | | count | Actual | | | | |
| LEPTSAVI | Leptochelia savignyi | | count | Actual | | | | |
| MYSIDACE | Mysidacea | | count | Actual | | | | |
| NEMATODA | Nematoda | | count | Actual | | | | |
| NERESUCC | Nereis succinea | | count | Actual | | | | |
| NEREVIRE | Nereis virens | | count | Actual | | | | |
| ODOSBISU | Odostomia bisuturalis | | count | Actual | | | | |

Characteristic Group Details

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| PHLDMACU | Phyllodoce maculata | | count | Actual | | | | |
| PHYLGROE | Phyllodoce groenlandica | | count | Actual | | | | |
| PRIAPULI | Priapulida | | count | Actual | | | | |
| RHYNCHOC | Rhynchocoela | | count | Actual | | | | |
| XXXXMONT | Montacutidae | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|--|------------|-----------------|----------------------------|-------------------------------|---------|
| BSPN01B9 | Benthic infauna: NCA-NE 2001 | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| | Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | |
| | Description | Counts of benthic infauna collected in one grab for the National Coastal Assessment-Northeast (NE) 2001 program. | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 101537 | Hexagenia | | count | Actual | | | | |
| 114177 | Optioservus | | count | Actual | | | | |
| 116607 | Oecetis | | count | Actual | | | | |
| 116613 | Oecetis inconspicua | | count | Actual | | | | |
| 117232 | Lepidoptera | | count | Actual | | | | |
| 127076 | Ceratopogonidae | | count | Actual | | | | |
| 127729 | Probezzia | | count | Actual | | | | |
| 127917 | Chironomidae | | count | Actual | | | | |
| 128010 | Coelotanypus | | count | Actual | | | | |
| 128079 | Ablabesmyia | | count | Actual | | | | |
| 128277 | Procladius | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 128682 | Epoicocladius | | count | Actual | | | | |
| 128874 | Orthocladius | | count | Actual | | | | |
| 129018 | Psectrocladius | | count | Actual | | | | |
| 129254 | Chironomus | | count | Actual | | | | |
| 129368 | Cryptochironomus | | count | Actual | | | | |
| 129394 | Cryptotendipes | | count | Actual | | | | |
| 129428 | Dicrotendipes | | count | Actual | | | | |
| 129619 | Paralauterborniella nigrohalterale | | count | Actual | | | | |
| 129637 | Phaenopsectra | | count | Actual | | | | |
| 129711 | Polypedilum simulans | | count | Actual | | | | |
| 129935 | Paratanytarsus | | count | Actual | | | | |
| 129952 | Rheotanytarsus | | count | Actual | | | | |
| 129978 | Tanytarsus | | count | Actual | | | | |
| 154520 | Sipuncula | | count | Actual | | | | |
| 154734 | Phascolion strombi | | count | Actual | | | | |
| 155462 | Phoronis | | count | Actual | | | | |
| 156862 | Asteroidea | | count | Actual | | | | |
| 157217 | Asterias forbesi | | count | Actual | | | | |
| 157424 | Ophiura sarsi | | count | Actual | | | | |
| 157617 | Ophiopholis aculeata | | count | Actual | | | | |
| 157709 | Amphioplus abdita | | count | Actual | | | | |
| 157722 | Amphiura | | count | Actual | | | | |
| 157821 | Echinoidea | | count | Actual | | | | |
| 157906 | Arbacia punctulata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 157969 | Strongylocentrotus droehbachiensis | | count | Actual | | | | |
| 158016 | Echinarachnius parma | | count | Actual | | | | |
| 158140 | Holothuroidea | | count | Actual | | | | |
| 158432 | Leptosynapta tenuis | | count | Actual | | | | |
| 158628 | Balanoglossus | | count | Actual | | | | |
| 158854 | Ascidacea | | count | Actual | | | | |
| 159541 | Molgula | | count | Actual | | | | |
| 159681 | Branchiostoma | | count | Actual | | | | |
| 182724 | Lumbrinereis | | count | Actual | | | | |
| 182725 | Lumbrineris acicularum | | count | Actual | | | | |
| 182726 | Lumbrineris acicularum | | count | Actual | | | | |
| 182728 | Leitoscoloplos robustus | | count | Actual | | | | |
| 204480 | Arabella nultidentata | | count | Actual | | | | |
| 204491 | Leitoscoloplos foliosus | | count | Actual | | | | |
| 204494 | Aricidea cerrutii | | count | Actual | | | | |
| 204501 | Polydora cornuta | | count | Actual | | | | |
| 204530 | Tharyx dorsobranchialis | | count | Actual | | | | |
| 204678 | Circeis spirillum | | count | Actual | | | | |
| 205822 | Eusarsiella zostericola | | count | Actual | | | | |
| 46861 | Porifera | | count | Actual | | | | |
| 48738 | Cnidaria | | count | Actual | | | | |
| 48739 | Hydrozoa | | count | Actual | | | | |
| 52485 | Actiniaria | | count | Actual | | | | |
| 53964 | Turbellaria | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 544186 | Edotia triloba | | count | Actual | | | | |
| 555698 | Podarkeopsis levifuscina | | count | Actual | | | | |
| 566908 | Pharidae | | count | Actual | | | | |
| 567846 | Macoma balthica | | count | Actual | | | | |
| 573737 | Aphelochaeta marioni | | count | Actual | | | | |
| 573738 | Tharyx killariensis | | count | Actual | | | | |
| 573739 | Marenzelleria viridis | | count | Actual | | | | |
| 573740 | Spio gonocephala | | count | Actual | | | | |
| 57411 | Nemertea | | count | Actual | | | | |
| 57416 | Tubulanus | | count | Actual | | | | |
| 57443 | Lineidae | | count | Actual | | | | |
| 609939 | Podocopida | | count | Actual | | | | |
| 64397 | Polynoidae | | count | Actual | | | | |
| 64502 | Harmothoe | | count | Actual | | | | |
| 64509 | Harmothoe extenuata | | count | Actual | | | | |
| 64513 | Harmothoe imbricata | | count | Actual | | | | |
| 64604 | Lepidonotus squamatus | | count | Actual | | | | |
| 64610 | Lepidonotus sublevis | | count | Actual | | | | |
| 65074 | Pholoe minuta | | count | Actual | | | | |
| 65084 | Sthenelais boa | | count | Actual | | | | |
| 65086 | Sthenelais limicola | | count | Actual | | | | |
| 65094 | Sigalion arenicola | | count | Actual | | | | |
| 65138 | Fimbriosthenelais minor | | count | Actual | | | | |
| 65143 | Pisione remota | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65228 | Phyllodocidae | | count | Actual | | | | |
| 65251 | Anaitides longipes | | count | Actual | | | | |
| 65263 | Eteone longa | | count | Actual | | | | |
| 65266 | Eteone heteropoda | | count | Actual | | | | |
| 65276 | Eteone fauchaldi | | count | Actual | | | | |
| 65321 | Paranaitis speciosa | | count | Actual | | | | |
| 65343 | Eumida sanguinea | | count | Actual | | | | |
| 65359 | Phyllodoce | | count | Actual | | | | |
| 65366 | Phyllodoce arenae | | count | Actual | | | | |
| 65467 | Hesionidae | | count | Actual | | | | |
| 65476 | Microphthalmus | | count | Actual | | | | |
| 65477 | Microphthalmus sczelkowi | | count | Actual | | | | |
| 65478 | Microphthalmus aberrans | | count | Actual | | | | |
| 65493 | Parahesionia luteola | | count | Actual | | | | |
| 65517 | Podarke obscura | | count | Actual | | | | |
| 65541 | Ancistrosyllis | | count | Actual | | | | |
| 65543 | Ancistrosyllis hartmanae | | count | Actual | | | | |
| 65545 | Ancistrosyllis groenlandica | | count | Actual | | | | |
| 65552 | Sigambra tentaculata | | count | Actual | | | | |
| 65565 | Cabira incerta | | count | Actual | | | | |
| 65587 | Syllidae | | count | Actual | | | | |
| 65588 | Autolytus | | count | Actual | | | | |
| 65591 | Autolytus cornutus | | count | Actual | | | | |
| 65629 | Syllis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65721 | Exogone | | count | Actual | | | | |
| 65722 | Exogone dispar | | count | Actual | | | | |
| 65727 | Exogone verugera | | count | Actual | | | | |
| 65730 | Exogone hebes | | count | Actual | | | | |
| 65735 | Sphaerosyllis | | count | Actual | | | | |
| 65736 | Sphaerosyllis erinaceus | | count | Actual | | | | |
| 65747 | Sphaerosyllis taylori | | count | Actual | | | | |
| 65753 | Sphaerosyllis longicauda | | count | Actual | | | | |
| 65762 | Brania wellfleetensis | | count | Actual | | | | |
| 65789 | Odontosyllis fulgurans | | count | Actual | | | | |
| 65803 | Syllides | | count | Actual | | | | |
| 65806 | Syllides longocirrata | | count | Actual | | | | |
| 65818 | Streptosyllis arenae | | count | Actual | | | | |
| 65819 | Streptosyllis varians | | count | Actual | | | | |
| 65822 | Streptosyllis pettiboneae | | count | Actual | | | | |
| 65824 | Parapionosyllis longicirrata | | count | Actual | | | | |
| 65870 | Nereididae | | count | Actual | | | | |
| 65871 | Ceratonereis | | count | Actual | | | | |
| 65891 | Neanthes virens | | count | Actual | | | | |
| 65892 | Nereis virens | | count | Actual | | | | |
| 65895 | Neanthes arenaceodentata | | count | Actual | | | | |
| 65902 | Nereis | | count | Actual | | | | |
| 65905 | Nereis pelagica | | count | Actual | | | | |
| 65916 | Nereis grayi | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 65917 | Nereis succinea | | count | Actual | | | | |
| 65918 | Neanthes succinea | | count | Actual | | | | |
| 65920 | Nereis diversicolor | | count | Actual | | | | |
| 65926 | Nereis acuminata | | count | Actual | | | | |
| 65950 | Platynereis dumerilii | | count | Actual | | | | |
| 65965 | Laeonereis culveri | | count | Actual | | | | |
| 66010 | Nephtyidae | | count | Actual | | | | |
| 66011 | Nephtys | | count | Actual | | | | |
| 66013 | Nephtys ciliata | | count | Actual | | | | |
| 66014 | Nephtys caeca | | count | Actual | | | | |
| 66021 | Nephtys discors | | count | Actual | | | | |
| 66027 | Nephtys bucera | | count | Actual | | | | |
| 66028 | Nephtys incisa | | count | Actual | | | | |
| 66030 | Nephtys picta | | count | Actual | | | | |
| 66038 | Nephtys simoni | | count | Actual | | | | |
| 66053 | Aglaophamus circinata | | count | Actual | | | | |
| 66064 | Sphaerodoridae | | count | Actual | | | | |
| 66073 | Sphaerodoropsis | | count | Actual | | | | |
| 66074 | Sphaerodoropsis minuta | | count | Actual | | | | |
| 66101 | Glyceridae | | count | Actual | | | | |
| 66102 | Glycera | | count | Actual | | | | |
| 66103 | Glycera capitata | | count | Actual | | | | |
| 66106 | Glycera americana | | count | Actual | | | | |
| 66107 | Glycera dibranchiata | | count | Actual | | | | |

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|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66108 | Glycera robusta | | count | Actual | | | | |
| 66126 | Goniadidae | | count | Actual | | | | |
| 66132 | Glycinde solitaria | | count | Actual | | | | |
| 66148 | Goniadella gracilis | | count | Actual | | | | |
| 66157 | Onuphidae | | count | Actual | | | | |
| 66170 | Onuphis quadricuspis | | count | Actual | | | | |
| 66180 | Diopatra cuprea | | count | Actual | | | | |
| 66260 | Eunicidae | | count | Actual | | | | |
| 66301 | Marphysa sanguinea | | count | Actual | | | | |
| 66302 | Marphysa belli | | count | Actual | | | | |
| 66319 | Lysidice | | count | Actual | | | | |
| 66330 | Nematonereis hebes | | count | Actual | | | | |
| 66335 | Lumbrineridae | | count | Actual | | | | |
| 66336 | Lumbrinereis | | count | Actual | | | | |
| 66338 | Lumbrineris fragilis | | count | Actual | | | | |
| 66351 | Lumbrineris tenuis | | count | Actual | | | | |
| 66353 | Lumbrineris acuta | | count | Actual | | | | |
| 66354 | Lumbrineris impatiens | | count | Actual | | | | |
| 66365 | Lumbrineris ernesti | | count | Actual | | | | |
| 66366 | Lumbrineris verrilli | | count | Actual | | | | |
| 66405 | Ninoe nigripes | | count | Actual | | | | |
| 66423 | Drilonereis | | count | Actual | | | | |
| 66426 | Drilonereis longa | | count | Actual | | | | |
| 66431 | Drilonereis magna | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66440 | Arabella | | count | Actual | | | | |
| 66441 | Arabella iricolor | | count | Actual | | | | |
| 66450 | Notocirrus spiniferus | | count | Actual | | | | |
| 66478 | Dorvilleidae | | count | Actual | | | | |
| 66523 | Schistomeringos rudolphi | | count | Actual | | | | |
| 66536 | Pettiboneia | | count | Actual | | | | |
| 66553 | Parougia caeca | | count | Actual | | | | |
| 66594 | Scoloplos | | count | Actual | | | | |
| 66595 | Scoloplos armiger | | count | Actual | | | | |
| 66600 | Scoloplos robustus | | count | Actual | | | | |
| 66603 | Scoloplos rubra | | count | Actual | | | | |
| 66653 | Leitoscoloplos | | count | Actual | | | | |
| 66656 | Leitoscoloplos fragilis | | count | Actual | | | | |
| 66659 | Paraonidae | | count | Actual | | | | |
| 66666 | Aricidea | | count | Actual | | | | |
| 66667 | Aricidea suecica | | count | Actual | | | | |
| 66673 | Aricidea wassi | | count | Actual | | | | |
| 66680 | Aricidea quadrilobata | | count | Actual | | | | |
| 66683 | Aricidea philbinae | | count | Actual | | | | |
| 66697 | Paraonis fulgens | | count | Actual | | | | |
| 66708 | Cirrophorus | | count | Actual | | | | |
| 66709 | Cirrophorus lyriformis | | count | Actual | | | | |
| 66711 | Cirrophorus lyra | | count | Actual | | | | |
| 66715 | Cirrophorus brevicirratus | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66729 | Levinsenia gracilis | | count | Actual | | | | |
| 66765 | Acmira catherinae | | count | Actual | | | | |
| 66778 | Apistobranchus tullbergi | | count | Actual | | | | |
| 66781 | Spionidae | | count | Actual | | | | |
| 66789 | Polydora | | count | Actual | | | | |
| 66791 | Polydora socialis | | count | Actual | | | | |
| 66794 | Polydora caulleryi | | count | Actual | | | | |
| 66798 | Polydora quadrilobata | | count | Actual | | | | |
| 66838 | Prionospio | | count | Actual | | | | |
| 66843 | Prionospio heterobranchia | | count | Actual | | | | |
| 66845 | Prionospio steenstrupi | | count | Actual | | | | |
| 66846 | Prionospio pygmaea | | count | Actual | | | | |
| 66847 | Apoprionospio pygmaea | | count | Actual | | | | |
| 66854 | Prionospio perkinsi | | count | Actual | | | | |
| 66864 | Spio | | count | Actual | | | | |
| 66865 | Spio filicornis | | count | Actual | | | | |
| 66868 | Spio setosa | | count | Actual | | | | |
| 66871 | Spio limicola | | count | Actual | | | | |
| 66897 | Spiophanes bombyx | | count | Actual | | | | |
| 66917 | Pygospio elegans | | count | Actual | | | | |
| 66937 | Paraprionospio pinnata | | count | Actual | | | | |
| 66939 | Streblospio benedicti | | count | Actual | | | | |
| 66942 | Scoelepis | | count | Actual | | | | |
| 66943 | Scoelepis squamata | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 66949 | Scolecipis texana | | count | Actual | | | | |
| 66971 | Marenzelleria | | count | Actual | | | | |
| 66972 | Microspio pigmentata | | count | Actual | | | | |
| 67003 | Carazziella hobsonae | | count | Actual | | | | |
| 67010 | Boccardiella | | count | Actual | | | | |
| 67049 | Magelona pettiboneae | | count | Actual | | | | |
| 67051 | Magelona papillicornis | | count | Actual | | | | |
| 67077 | Trochochaeta multisetosa | | count | Actual | | | | |
| 67081 | Poecilochaetus | | count | Actual | | | | |
| 67095 | Chaetopteridae | | count | Actual | | | | |
| 67110 | Spiochaetopterus oculatus | | count | Actual | | | | |
| 67116 | Cirratulidae | | count | Actual | | | | |
| 67121 | Cirratulus grandis | | count | Actual | | | | |
| 67122 | Cirratulus grandis | | count | Actual | | | | |
| 67126 | Caulleriella | | count | Actual | | | | |
| 67141 | Tharyx | | count | Actual | | | | |
| 67144 | Tharyx parvus | | count | Actual | | | | |
| 67147 | Tharyx acutus | | count | Actual | | | | |
| 67148 | Tharyx annulosus | | count | Actual | | | | |
| 67157 | Chaetozone setosa | | count | Actual | | | | |
| 67168 | Dodecaceria corallii | | count | Actual | | | | |
| 67205 | Cossuridae | | count | Actual | | | | |
| 67206 | Cossura | | count | Actual | | | | |
| 67207 | Cossura longocirrata | | count | Actual | | | | |

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|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67210 | Cossura soyeri | | count | Actual | | | | |
| 67227 | Brada villosa | | count | Actual | | | | |
| 67241 | Pherusa | | count | Actual | | | | |
| 67244 | Pherusa plumosa | | count | Actual | | | | |
| 67246 | Pherusa inflata | | count | Actual | | | | |
| 67247 | Pherusa affinis | | count | Actual | | | | |
| 67263 | Diplocirrus hirsutus | | count | Actual | | | | |
| 67313 | Scalibregma inflatum | | count | Actual | | | | |
| 67369 | Travisia carnea | | count | Actual | | | | |
| 67387 | Ophelina cylindricaudata | | count | Actual | | | | |
| 67391 | Ophelina acuminata | | count | Actual | | | | |
| 67411 | Sternaspis scutata | | count | Actual | | | | |
| 67413 | Capitellidae | | count | Actual | | | | |
| 67414 | Capitella | | count | Actual | | | | |
| 67415 | Capitella capitata | | count | Actual | | | | |
| 67420 | Heteromastus filiformis | | count | Actual | | | | |
| 67423 | Notomastus | | count | Actual | | | | |
| 67429 | Notomastus latericeus | | count | Actual | | | | |
| 67432 | Notomastus lobatus | | count | Actual | | | | |
| 67438 | Mediomastus | | count | Actual | | | | |
| 67439 | Mediomastus ambiseta | | count | Actual | | | | |
| 67440 | Mediomastus californiensis | | count | Actual | | | | |
| 67515 | Maldanidae | | count | Actual | | | | |
| 67519 | Asychis elongata | | count | Actual | | | | |

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|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67528 | Clymenella torquata | | count | Actual | | | | |
| 67531 | Clymenella zonalis | | count | Actual | | | | |
| 67566 | Axiothella mucosa | | count | Actual | | | | |
| 67581 | Rhodine loveni | | count | Actual | | | | |
| 67586 | Euclymene zonalis | | count | Actual | | | | |
| 67647 | Owenia fusiformis | | count | Actual | | | | |
| 67660 | Galathowenia | | count | Actual | | | | |
| 67662 | Galathowenia oculata | | count | Actual | | | | |
| 67665 | Sabellariidae | | count | Actual | | | | |
| 67671 | Sabellaria vulgaris | | count | Actual | | | | |
| 67706 | Pectinaria | | count | Actual | | | | |
| 67709 | Pectinaria gouldi | | count | Actual | | | | |
| 67718 | Ampharetidae | | count | Actual | | | | |
| 67727 | Ampharete | | count | Actual | | | | |
| 67728 | Ampharete arctica | | count | Actual | | | | |
| 67735 | Ampharete acutifrons | | count | Actual | | | | |
| 67741 | Ampharete finmarchica | | count | Actual | | | | |
| 67744 | Amphicteis | | count | Actual | | | | |
| 67747 | Amphicteis gunneri | | count | Actual | | | | |
| 67753 | Amphicteis floridus | | count | Actual | | | | |
| 67755 | Hobsonia florida | | count | Actual | | | | |
| 67762 | Melinna | | count | Actual | | | | |
| 67763 | Melinna cristata | | count | Actual | | | | |
| 67766 | Melinna maculata | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 67786 | Asabellides oculata | | count | Actual | | | | |
| 67810 | Hypaniola | | count | Actual | | | | |
| 67899 | Terebellidae | | count | Actual | | | | |
| 67902 | Amphitrite ornata | | count | Actual | | | | |
| 67940 | Pista | | count | Actual | | | | |
| 67941 | Pista cristata | | count | Actual | | | | |
| 67947 | Pista palmata | | count | Actual | | | | |
| 67959 | Polycirrus | | count | Actual | | | | |
| 67963 | Polycirrus eximius | | count | Actual | | | | |
| 68015 | Loimia medusa | | count | Actual | | | | |
| 68069 | Terebellides stroemi | | count | Actual | | | | |
| 68074 | Trichobranchus glacialis | | count | Actual | | | | |
| 68076 | Sabellidae | | count | Actual | | | | |
| 68077 | Chone | | count | Actual | | | | |
| 68095 | Euchone incolor | | count | Actual | | | | |
| 68097 | Euchone rubrocincta | | count | Actual | | | | |
| 68149 | Schizobranchia insignis | | count | Actual | | | | |
| 68159 | Fabricia sabella | | count | Actual | | | | |
| 68167 | Laonome kroeyeri | | count | Actual | | | | |
| 68172 | Manayunkia speciosa | | count | Actual | | | | |
| 68221 | Demonax | | count | Actual | | | | |
| 68222 | Demonax microphthalmus | | count | Actual | | | | |
| 68232 | Serpulidae | | count | Actual | | | | |
| 68281 | Hydroides | | count | Actual | | | | |

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| 68282 | Hydroides dianthus | | count | Actual | | | | |
| 68283 | Hydroides protulicola | | count | Actual | | | | |
| 68419 | Polygordius | | count | Actual | | | | |
| 68422 | Oligochaeta | | count | Actual | | | | |
| 68440 | Lumbriculidae | | count | Actual | | | | |
| 68510 | Enchytraeidae | | count | Actual | | | | |
| 68585 | Tubificidae | | count | Actual | | | | |
| 68595 | Peloscolex heterochaetus | | count | Actual | | | | |
| 68639 | Limnodrilus hoffmeisteri | | count | Actual | | | | |
| 68687 | Tubificoides | | count | Actual | | | | |
| 68854 | Naididae | | count | Actual | | | | |
| 68902 | Dero flabelliger | | count | Actual | | | | |
| 69290 | Hirudinea | | count | Actual | | | | |
| 69438 | Erpobdellidae | | count | Actual | | | | |
| 69459 | Gastropoda | | count | Actual | | | | |
| 69759 | Lepeta caeca | | count | Actual | | | | |
| 70083 | Moelleria | | count | Actual | | | | |
| 70159 | Neritidae | | count | Actual | | | | |
| 70381 | Lacuna vincta | | count | Actual | | | | |
| 70419 | Littorina littorea | | count | Actual | | | | |
| 70500 | Hydrobia totteni | | count | Actual | | | | |
| 70797 | Rissoidae | | count | Actual | | | | |
| 70823 | Onoba pelagica | | count | Actual | | | | |
| 71064 | Vitrinellidae | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 71372 | Caecidae | | count | Actual | | | | |
| 71379 | Caecum | | count | Actual | | | | |
| 71380 | Caecum pulchellum | | count | Actual | | | | |
| 71393 | Caecum johnsoni | | count | Actual | | | | |
| 71975 | Cerithiidae | | count | Actual | | | | |
| 71989 | Bittium alternatum | | count | Actual | | | | |
| 72170 | Finella adamsi | | count | Actual | | | | |
| 72247 | Epitonium multistriatum | | count | Actual | | | | |
| 72611 | Calyptraeidae | | count | Actual | | | | |
| 72619 | Crepidula | | count | Actual | | | | |
| 72623 | Crepidula fornicata | | count | Actual | | | | |
| 72627 | Crepidula plana | | count | Actual | | | | |
| 72878 | Naticidae | | count | Actual | | | | |
| 72957 | Tectonatica pusilla | | count | Actual | | | | |
| 72985 | Euspira heros | | count | Actual | | | | |
| 72986 | Euspira immaculata | | count | Actual | | | | |
| 73236 | Muricidae | | count | Actual | | | | |
| 73264 | Urosalpinx cinerea | | count | Actual | | | | |
| 73300 | Eupleura caudata | | count | Actual | Mean | | | |
| 73532 | Columbellidae | | count | Actual | | | | |
| 73542 | Mitrella | | count | Actual | | | | |
| 73552 | Mitrella lunata | | count | Actual | | | | |
| 73616 | Anachis | | count | Actual | | | | |
| 73617 | Anachis avara | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 73631 | Anachis lafresnayi | | count | Actual | | | | |
| 74069 | Melongenidae | | count | Actual | | | | |
| 74071 | Busycon carica | | count | Actual | | | | |
| 74096 | Busycotypus canaliculatus | | count | Actual | | | | |
| 74102 | Nassariidae | | count | Actual | | | | |
| 74107 | Nassarius vibex | | count | Actual | | | | |
| 74109 | Nassarius trivittatus | | count | Actual | | | | |
| 74111 | Nassarius obsoletus | | count | Actual | | | | |
| 74169 | Nassarius obsoletus | | count | Actual | | | | |
| 74170 | Ilyanassa trivittata | | count | Actual | | | | |
| 74174 | Ptychotractus ligatus | | count | Actual | | | | |
| 74555 | Turridae | | count | Actual | | | | |
| 75446 | Pyramidellidae | | count | Actual | | | | |
| 75447 | Odostomia | | count | Actual | | | | |
| 75497 | Odostomia trifida | | count | Actual | | | | |
| 75676 | Turbonilla | | count | Actual | | | | |
| 75687 | Turbonilla interrupta | | count | Actual | | | | |
| 75988 | Boonea bisuturalis | | count | Actual | | | | |
| 75993 | Boonea seminuda | | count | Actual | | | | |
| 76048 | Acteonidae | | count | Actual | | | | |
| 76077 | Rictaxis | | count | Actual | | | | |
| 76083 | Rictaxis punctostriatus | | count | Actual | | | | |
| 76107 | Acteocina | | count | Actual | | | | |
| 76117 | Acteocina canaliculata | | count | Actual | | | | |

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|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 76120 | Acteocina candei | | count | Actual | | | | |
| 76181 | Philine lima | | count | Actual | | | | |
| 76184 | Philine sagra | | count | Actual | | | | |
| 76255 | Haminoeidae | | count | Actual | | | | |
| 76258 | Haminoea solitaria | | count | Actual | | | | |
| 76317 | Cylichnidae | | count | Actual | | | | |
| 77938 | Elysia | | count | Actual | | | | |
| 78130 | Pleurobranchaea tarda | | count | Actual | | | | |
| 78439 | Doridella obscura | | count | Actual | | | | |
| 78807 | Polyplacophora | | count | Actual | | | | |
| 79056 | Aplacophora | | count | Actual | | | | |
| 79118 | Bivalvia | | count | Actual | | | | |
| 79128 | Nucula tenuis | | count | Actual | | | | |
| 79132 | Nucula proxima | | count | Actual | | | | |
| 79134 | Nucula delphinodonta | | count | Actual | | | | |
| 79177 | Nuculanidae | | count | Actual | | | | |
| 79195 | Nuculana acuta | | count | Actual | | | | |
| 79258 | Yoldia | | count | Actual | | | | |
| 79273 | Yoldia limatula | | count | Actual | | | | |
| 79314 | Solemya | | count | Actual | | | | |
| 79316 | Solemya velum | | count | Actual | | | | |
| 79326 | Arcidae | | count | Actual | | | | |
| 79337 | Anadara | | count | Actual | | | | |
| 79340 | Anadara transversa | | count | Actual | | | | |

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|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 79342 | Anadara ovalis | | count | Actual | | | | |
| 79451 | Mytilidae | | count | Actual | | | | |
| 79452 | Mytilus | | count | Actual | | | | |
| 79454 | Mytilus edulis | | count | Actual | | | | |
| 79457 | Crenella | | count | Actual | | | | |
| 79459 | Crenella decussata | | count | Actual | | | | |
| 79461 | Crenella glandula | | count | Actual | | | | |
| 79501 | Modiolus modiolus | | count | Actual | | | | |
| 79611 | Pectinidae | | count | Actual | | | | |
| 79737 | Argopecten irradians | | count | Actual | | | | |
| 79798 | Anomia simplex | | count | Actual | | | | |
| 79951 | Elliptio | | count | Actual | | | | |
| 80494 | Thyasiridae | | count | Actual | | | | |
| 80512 | Thyasira flexuosa | | count | Actual | | | | |
| 80525 | Thyasira trisinuata | | count | Actual | | | | |
| 80661 | Mysella planulata | | count | Actual | | | | |
| 80744 | Cyclocardia borealis | | count | Actual | | | | |
| 80796 | Astartidae | | count | Actual | | | | |
| 80797 | Astarte | | count | Actual | | | | |
| 80801 | Astarte castanea | | count | Actual | | | | |
| 80811 | Astarte undata | | count | Actual | | | | |
| 80850 | Crassinella | | count | Actual | | | | |
| 80851 | Crassinella lunulata | | count | Actual | | | | |
| 80865 | Cardiidae | | count | Actual | | | | |

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|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 80891 | Laevicardium mortoni | | count | Actual | | | | |
| 80900 | Cerastoderma pinnulatum | | count | Actual | | | | |
| 80942 | Mactridae | | count | Actual | | | | |
| 80943 | Spisula | | count | Actual | | | | |
| 80944 | Spisula solidissima | | count | Actual | | | | |
| 80959 | Mulinia lateralis | | count | Actual | | | | |
| 81006 | Solenidae | | count | Actual | | | | |
| 81012 | Siliqua costata | | count | Actual | | | | |
| 81015 | Solen | | count | Actual | | | | |
| 81021 | Ensis | | count | Actual | | | | |
| 81022 | Ensis directus | | count | Actual | | | | |
| 81032 | Tellinidae | | count | Actual | | | | |
| 81033 | Macoma | | count | Actual | | | | |
| 81055 | Macoma tenta | | count | Actual | | | | |
| 81074 | Tellina | | count | Actual | | | | |
| 81088 | Tellina agilis | | count | Actual | | | | |
| 81271 | Tagelus | | count | Actual | | | | |
| 81272 | Tagelus plebeius | | count | Actual | | | | |
| 81274 | Tagelus divisus | | count | Actual | | | | |
| 81304 | Abra lioica | | count | Actual | | | | |
| 81387 | Corbicula fluminea | | count | Actual | | | | |
| 81389 | Pisidiidae | | count | Actual | | | | |
| 81439 | Veneridae | | count | Actual | | | | |
| 81496 | Mercenaria mercenaria | | count | Actual | | | | |

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|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 81501 | Pitar morrhuanus | | count | Actual | | | | |
| 81511 | Gemma gemma | | count | Actual | | | | |
| 81517 | Chione | | count | Actual | | | | |
| 81627 | Petricola pholadiformis | | count | Actual | | | | |
| 81692 | Mya arenaria | | count | Actual | Mean | | | |
| 81708 | Corbulidae | | count | Actual | | | | |
| 81711 | Corbula | | count | Actual | | | | |
| 81712 | Corbula contracta | | count | Actual | | | | |
| 81760 | Hiatellidae | | count | Actual | | | | |
| 81896 | Pandora gouldiana | | count | Actual | | | | |
| 81926 | Lyonsia hyalina | | count | Actual | | | | |
| 81945 | Periploma papyratium | | count | Actual | | | | |
| 82118 | Dentalium | | count | Actual | | | | |
| 82703 | Limulus polyphemus | | count | Actual | | | | |
| 82769 | Trombidiformes | | count | Actual | | | | |
| 83073 | Unionicola | | count | Actual | | | | |
| 83661 | Pycnogonidae | | count | Actual | | | | |
| 83670 | Callipallene brevisrostris | | count | Actual | | | | |
| 83682 | Hutchinsoniella macracantha | | count | Actual | | | | |
| 83863 | Sida crystallina | | count | Actual | | | | |
| 84215 | Cylindroleberididae | | count | Actual | | | | |
| 84233 | Parasterope pollex | | count | Actual | | | | |
| 84300 | Eusarsiella | | count | Actual | | | | |
| 84308 | Eusarsiella cornuta | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 84736 | Haplocytheridea setipunctata | | count | Actual | | | | |
| 85066 | Pellucistoma | | count | Actual | | | | |
| 89599 | Balanidae | | count | Actual | | | | |
| 89600 | Balanus | | count | Actual | | | | |
| 89807 | Lophogastrida | | count | Actual | | | | |
| 89856 | Mysidae | | count | Actual | | | | |
| 89977 | Heteromysis formosa | | count | Actual | | | | |
| 90062 | Neomysis americana | | count | Actual | | | | |
| 90139 | Mysidopsis bigelowi | | count | Actual | | | | |
| 90140 | Mysidopsis bahia | | count | Actual | | | | |
| 90184 | Erythrocs | | count | Actual | | | | |
| 90185 | Erythrocs erythrocs | | count | Actual | | | | |
| 90745 | Cumacea | | count | Actual | | | | |
| 90790 | Leucon americanus | | count | Actual | | | | |
| 90803 | Eudorella truncatula | | count | Actual | | | | |
| 90810 | Eudorella pusilla | | count | Actual | | | | |
| 90819 | Eudorellopsis deformis | | count | Actual | | | | |
| 90833 | Paraleucon | | count | Actual | | | | |
| 90858 | Diastylis polita | | count | Actual | | | | |
| 90865 | Diastylis sculpta | | count | Actual | | | | |
| 90922 | Oxyurostylis | | count | Actual | | | | |
| 90923 | Oxyurostylis smithi | | count | Actual | | | | |
| 90928 | Petalosarsia declivis | | count | Actual | | | | |
| 90933 | Campylaspis | | count | Actual | | | | |

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|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 90936 | Campylaspis rubicunda | | count | Actual | | | | |
| 90941 | Campylaspis affinis | | count | Actual | | | | |
| 90953 | Campylaspis rubromaculata | | count | Actual | | | | |
| 90979 | Almyracuma proximoculi | | count | Actual | | | | |
| 91030 | Mancocuma stellifera | | count | Actual | | | | |
| 91031 | Cyclaspis | | count | Actual | | | | |
| 91033 | Cyclaspis varians | | count | Actual | | | | |
| 91040 | Pseudoleptocuma minus | | count | Actual | | | | |
| 91573 | Tanaissus psammophilus | | count | Actual | | | | |
| 92048 | Leptochelia dubia | | count | Actual | | | | |
| 92068 | Leptochelia rapax | | count | Actual | | | | |
| 92120 | Isopoda | | count | Actual | | | | |
| 92144 | Anthuridae | | count | Actual | | | | |
| 92149 | Cyathura polita | | count | Actual | | | | |
| 92155 | Ptilanthura tenuis | | count | Actual | | | | |
| 92225 | Cirolanidae | | count | Actual | | | | |
| 92283 | Sphaeromatidae | | count | Actual | | | | |
| 92334 | Ancinus depressus | | count | Actual | | | | |
| 92348 | Cassinidea ovalis | | count | Actual | | | | |
| 92564 | Idoteidae | | count | Actual | | | | |
| 92566 | Synidotea | | count | Actual | | | | |
| 92593 | Idotea metallica | | count | Actual | | | | |
| 92596 | Idotea balthica | | count | Actual | | | | |
| 92619 | Erichsonella filiformis | | count | Actual | | | | |

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| 92623 | Edotia | | count | Actual | | | | |
| 92643 | Chiridotea tuftsii | | count | Actual | | | | |
| 92814 | Jaera marina | | count | Actual | | | | |
| 92869 | Janira maculosa | | count | Actual | | | | |
| 92957 | Munna | | count | Actual | | | | |
| 92960 | Munna fabricii | | count | Actual | | | | |
| 93056 | Pleurogonium spinosissimum | | count | Actual | | | | |
| 93294 | Amphipoda | | count | Actual | | | | |
| 93320 | Ampeliscidae | | count | Actual | | | | |
| 93321 | Ampelisca | | count | Actual | | | | |
| 93329 | Ampelisca abdita | | count | Actual | | | | |
| 93330 | Ampelisca vadorum | | count | Actual | | | | |
| 93331 | Ampelisca verrilli | | count | Actual | | | | |
| 93364 | Byblis serrata | | count | Actual | | | | |
| 93380 | Haploops setosa | | count | Actual | | | | |
| 93409 | Ampithoe | | count | Actual | | | | |
| 93423 | Ampithoe longimana | | count | Actual | | | | |
| 93424 | Ampithoe valida | | count | Actual | | | | |
| 93429 | Cymadusa | | count | Actual | | | | |
| 93430 | Cymadusa compta | | count | Actual | | | | |
| 93440 | Aoridae | | count | Actual | | | | |
| 93458 | Lembos smithi | | count | Actual | | | | |
| 93476 | Microdeutopus | | count | Actual | | | | |
| 93477 | Microdeutopus gryllotalpa | | count | Actual | | | | |

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|--------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93478 | Microdeutopus anomalus | | count | Actual | | | | |
| 93485 | Leptocheirus | | count | Actual | | | | |
| 93486 | Leptocheirus plumulosus | | count | Actual | | | | |
| 93487 | Leptocheirus pinguis | | count | Actual | | | | |
| 93493 | Acuminodeutopus naglei | | count | Actual | | | | |
| 93506 | Argissidae | | count | Actual | | | | |
| 93508 | Argissa hamatipes | | count | Actual | | | | |
| 93528 | Batea catharinensis | | count | Actual | | | | |
| 93584 | Corophiidae | | count | Actual | | | | |
| 93585 | Cerapus | | count | Actual | | | | |
| 93587 | Cerapus tubularis | | count | Actual | | | | |
| 93589 | Corophium | | count | Actual | | | | |
| 93590 | Corophium acherusicum | | count | Actual | | | | |
| 93592 | Corophium crassicorne | | count | Actual | | | | |
| 93594 | Corophium lacustre | | count | Actual | | | | |
| 93595 | Corophium simile | | count | Actual | | | | |
| 93596 | Corophium tuberculatum | | count | Actual | | | | |
| 93600 | Corophium insidiosum | | count | Actual | | | | |
| 93601 | Corophium volutator | | count | Actual | | | | |
| 93602 | Corophium acutum | | count | Actual | | | | |
| 93611 | Ericthonius | | count | Actual | | | | |
| 93613 | Ericthonius brasiliensis | | count | Actual | | | | |
| 93617 | Ericthonius rubricornis | | count | Actual | | | | |
| 93629 | Unciola | | count | Actual | | | | |

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|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93632 | Unciola irrorata | | count | Actual | | | | |
| 93633 | Unciola serrata | | count | Actual | | | | |
| 93640 | Pseudunciola obliqua | | count | Actual | | | | |
| 93656 | Dexaminidae | | count | Actual | | | | |
| 93665 | Dexamine thea | | count | Actual | | | | |
| 93745 | Gammaridae | | count | Actual | | | | |
| 93746 | Melitidae | | count | Actual | | | | |
| 93760 | Elasmopus | | count | Actual | | | | |
| 93761 | Elasmopus laevis | | count | Actual | | | | |
| 93773 | Gammarus | | count | Actual | | | | |
| 93782 | Gammarus palustris | | count | Actual | | | | |
| 93783 | Gammarus mucronatus | | count | Actual | | | | |
| 93785 | Gammarus annulatus | | count | Actual | | | | |
| 93795 | Maera danae | | count | Actual | | | | |
| 93806 | Melita | | count | Actual | | | | |
| 93809 | Melita dentata | | count | Actual | | | | |
| 93812 | Melita nitida | | count | Actual | | | | |
| 93835 | Casco bigelowi | | count | Actual | | | | |
| 93848 | Dulichieilla appendiculata | | count | Actual | | | | |
| 93959 | Haustoriidae | | count | Actual | | | | |
| 93981 | Acanthohaustorius intermedius | | count | Actual | | | | |
| 93982 | Acanthohaustorius millsii | | count | Actual | | | | |
| 93984 | Acanthohaustorius shoemakeri | | count | Actual | | | | |
| 93988 | Amphiporeia virginiana | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 93991 | Bathyporeia quoddyensis | | count | Actual | | | | |
| 94004 | Parahaustorius attenuatus | | count | Actual | | | | |
| 94006 | Parahaustorius longimerus | | count | Actual | | | | |
| 94010 | Protohaustorius wigleyi | | count | Actual | | | | |
| 94019 | Haustorius canadensis | | count | Actual | | | | |
| 94061 | Photis | | count | Actual | | | | |
| 94063 | Photis reinhardi | | count | Actual | | | | |
| 94069 | Photis macrocoxa | | count | Actual | | | | |
| 94122 | Microprotopus raneyi | | count | Actual | | | | |
| 94153 | Ischyrocerus anguipes | | count | Actual | | | | |
| 94171 | Jassa falcata | | count | Actual | | | | |
| 94213 | Listriella barnardi | | count | Actual | | | | |
| 94214 | Listriella clymenellae | | count | Actual | | | | |
| 94224 | Lysianassidae | | count | Actual | | | | |
| 94233 | Anonyx lilljeborgi | | count | Actual | | | | |
| 94301 | Hippomedon serratus | | count | Actual | | | | |
| 94455 | Psammonyx nobilis | | count | Actual | | | | |
| 94458 | Orchomenella minuta | | count | Actual | | | | |
| 94466 | Lysianopsis alba | | count | Actual | | | | |
| 94489 | Oedicerotidae | | count | Actual | | | | |
| 94519 | Monoculodes | | count | Actual | | | | |
| 94536 | Monoculodes intermedius | | count | Actual | | | | |
| 94539 | Monoculodes edwardsi | | count | Actual | | | | |
| 94567 | Synchelidium americanum | | count | Actual | | | | |

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|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 94573 | Westwoodilla caecula | | count | Actual | | | | |
| 94633 | Phoxocephalidae | | count | Actual | | | | |
| 94650 | Harpinia propinqua | | count | Actual | | | | |
| 94677 | Phoxocephalus holbolli | | count | Actual | | | | |
| 94689 | Paraphoxus oculatus | | count | Actual | | | | |
| 94728 | Rhepoxynius epistomus | | count | Actual | | | | |
| 94730 | Rhepoxynius hudsoni | | count | Actual | | | | |
| 94755 | Eobrolgus spinosus | | count | Actual | | | | |
| 94768 | Pleustidae | | count | Actual | | | | |
| 94797 | Pleusymtes glaber | | count | Actual | | | | |
| 94811 | Stenopleustes inermis | | count | Actual | | | | |
| 94830 | Dulichia porrecta | | count | Actual | | | | |
| 94912 | Metopella angusta | | count | Actual | | | | |
| 94927 | Parametopella cypris | | count | Actual | | | | |
| 94936 | Stenothoe minuta | | count | Actual | | | | |
| 95037 | Orchestia grillus | | count | Actual | | | | |
| 95109 | Hyperia | | count | Actual | | | | |
| 95375 | Caprellidae | | count | Actual | | | | |
| 95383 | Mayerella limicola | | count | Actual | | | | |
| 95392 | Caprella | | count | Actual | | | | |
| 95419 | Caprella penantis | | count | Actual | | | | |
| 95432 | Aeginina longicornis | | count | Actual | | | | |
| 95433 | Paracaprella | | count | Actual | | | | |
| 95434 | Paracaprella tenuis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 95474 | Aeginellidae | | count | Actual | | | | |
| 95599 | Decapoda | | count | Actual | | | | |
| 95889 | Acetes americanus | | count | Actual | | | | |
| 96390 | Palaemonetes pugio | | count | Actual | | | | |
| 97106 | Crangonidae | | count | Actual | | | | |
| 97110 | Crangon septemspinosa | | count | Actual | | | | |
| 97774 | Paguridae | | count | Actual | | | | |
| 97775 | Pagurus | | count | Actual | | | | |
| 97807 | Pagurus longicarpus | | count | Actual | | | | |
| 98058 | Porcellanidae | | count | Actual | | | | |
| 98207 | Upogebia | | count | Actual | | | | |
| 98209 | Upogebia affinis | | count | Actual | | | | |
| 98417 | Majidae | | count | Actual | | | | |
| 98453 | Libinia | | count | Actual | | | | |
| 98454 | Libinia dubia | | count | Actual | | | | |
| 98670 | Cancridae | | count | Actual | | | | |
| 98671 | Cancer | | count | Actual | | | | |
| 98679 | Cancer irroratus | | count | Actual | Mean | | | |
| 98689 | Portunidae | | count | Actual | | | | |
| 98696 | Callinectes sapidus | | count | Actual | | | | |
| 98714 | Ovalipes ocellatus | | count | Actual | | | | |
| 98748 | Xanthidae | | count | Actual | | | | |
| 98768 | Hexapanopeus lobipes | | count | Actual | | | | |
| 98778 | Panopeus herbstii | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 98790 | Rhithropanopeus harrisi | | count | Actual | | | | |
| 98964 | Pinnotheridae | | count | Actual | | | | |
| 98975 | Pinnotheres maculatus | | count | Actual | | | | |
| 98976 | Pinnotheres ostreum | | count | Actual | | | | |
| 98993 | Pinnixa | | count | Actual | | | | |
| 98998 | Pinnixa chaetoptera | | count | Actual | | | | |
| 99002 | Pinnixa sayana | | count | Actual | | | | |
| E00044 | Cricotopus | | count | Actual | | | | |
| E02111 | Caulleriella | | count | Actual | | | | |
| E02112 | Pterygocythereis | | count | Actual | | | | |
| E02114 | Augeneriella | | count | Actual | | | | |
| E02115 | Desmosoma | | count | Actual | | | | |
| E02116 | Diastylis | | count | Actual | | | | |
| E02117 | Haplocytheridea | | count | Actual | | | | |
| E02118 | Hydatinidae | | count | Actual | | | | |
| E02119 | Microprotopus | | count | Actual | | | | |
| E02121 | Podocopida | sp.1 | count | Actual | | | | |
| E02122 | Polycirrus | sp.1 | count | Actual | | | | |
| E02123 | Polycirrus | sp.3 | count | Actual | | | | |
| E02125 | Praxillella | | count | Actual | | | | |
| E02129 | Synidotea | sp.1 | count | Actual | | | | |
| E02130 | Capitella | sp.1 | count | Actual | | | | |
| E02131 | Chironomidae | | count | Actual | | | | |
| E02134 | Idunella | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| E02135 | Polycirrus | sp.2 | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|------------|-----------------|-------------|-------------------------------|---------|
| FSPECEW9 | Fish taxon:EMAP-West 1999-2000 | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |
| | Citations | U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72 | | | | | |
| | Description | Counts of fish and invertebrate abundance collected for the EMAP-West 1999-2000 program in generally one, but occasionally more than one trawl. | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 02245 | Fusitriton | sp.1 | count | Actual | | | | |
| 02246 | Gorgonocephalus caryi | | count | Actual | | | | |
| 156862 | Asteroidea | | count | Actual | | | | |
| 156866 | Luidia foliolata | | count | Actual | | | | |
| 157063 | Crossaster | | count | Actual | | | | |
| 157074 | Solaster | | count | Actual | | | | |
| 157075 | Solaster dawsoni | | count | Actual | | | | |
| 157078 | Solaster stimpsoni | | count | Actual | | | | |
| 157107 | Pteraster | | count | Actual | | | | |
| 157113 | Pteraster tessellatus | | count | Actual | | | | |
| 157122 | Asterina miniata | | count | Actual | | | | |
| 157139 | Dermasterias imbricata | | count | Actual | | | | |
| 157152 | Henricia | | count | Actual | | | | |
| 157157 | Henricia leviuscula | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 157251 | Pisaster | | count | Actual | | | | |
| 157270 | Orthasterias koehleri | | count | Actual | | | | |
| 157273 | Pycnopodia | | count | Actual | | | | |
| 157274 | Pycnopodia helianthoides | | count | Actual | | | | |
| 157617 | Ophiopholis aculeata | | count | Actual | | | | |
| 157821 | Echinoidea | | count | Actual | | | | |
| 157848 | Euechinoidea | | count | Actual | | | | |
| 157975 | Strongylocentrotus purpuratus | | count | Actual | | | | |
| 158140 | Holothuroidea | | count | Actual | | | | |
| 158204 | Cucumaria miniata | | count | Actual | | | | |
| 158344 | Parastichopus californicus | | count | Actual | | | | |
| 158348 | Stichopus | | count | Actual | | | | |
| 158854 | Ascidacea | | count | Actual | | | | |
| 159300 | Styela | | count | Actual | | | | |
| 160108 | Parmaturus xaniurus | | count | Actual | | | | |
| 160236 | Mustelus henlei | | count | Actual | | | | |
| 160617 | Squalus acanthias | | count | Actual | | | | |
| 160785 | Squatina californica | | count | Actual | | | | |
| 160818 | Rhinobatos productus | | count | Actual | | | | |
| 160824 | Platyrrhinois triseriata | | count | Actual | | | | |
| 160848 | Raja binoculata | | count | Actual | | | | |
| 160849 | Raja inornata | | count | Actual | | | | |
| 160851 | Raja rhina | | count | Actual | | | | |
| 160937 | Bathyraja interrupta | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 160963 | Gymnura marmorata | | count | Actual | | | | |
| 160966 | Urolophus halleri | | count | Actual | | | | |
| 160981 | Myliobatis californica | | count | Actual | | | | |
| 161015 | Hydrolagus colliei | | count | Actual | | | | |
| 161700 | Clupeidae | | count | Actual | | | | |
| 161702 | Alosa sapidissima | | count | Actual | | | | |
| 161828 | Engraulis mordax | | count | Actual | | | | |
| 161980 | Oncorhynchus tshawytscha | | count | Actual | | | | |
| 161984 | Salmo clarkii | | count | Actual | | | | |
| 162048 | Spirinchus starksi | | count | Actual | | | | |
| 162049 | Spirinchus thaleichthys | | count | Actual | | | | |
| 162378 | Synodus lucioceps | | count | Actual | | | | |
| 163521 | Mylocheilus caurinus | | count | Actual | | | | |
| 163523 | Ptychocheilus oregonensis | | count | Actual | | | | |
| 164410 | Percopsis transmontana | | count | Actual | | | | |
| 164414 | Porichthys notatus | | count | Actual | | | | |
| 164420 | Porichthys myriaster | | count | Actual | | | | |
| 164711 | Gadus macrocephalus | | count | Actual | | | | |
| 164719 | Microgadus proximus | | count | Actual | | | | |
| 164722 | Theragra chalcogramma | | count | Actual | | | | |
| 164792 | Merluccius productus | | count | Actual | | | | |
| 165261 | Lycodes diapterus | | count | Actual | | | | |
| 165265 | Lycodes palearis | | count | Actual | | | | |
| 165293 | Lycodopsis pacifica | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 165322 | Ptychocheilus | | count | Actual | | | | |
| 165986 | Atherinops affinis | | count | Actual | | | | |
| 166365 | Gasterosteus aculeatus | | count | Actual | | | | |
| 166462 | Syngnathus leptorhynchus | | count | Actual | | | | |
| 166708 | Sebastes auriculatus | | count | Actual | | | | |
| 166713 | Sebastes caurinus | | count | Actual | | | | |
| 166716 | Sebastes diploproa | | count | Actual | | | | |
| 166718 | Sebastes emphaeus | | count | Actual | | | | |
| 166726 | Sebastes maliger | | count | Actual | | | | |
| 166730 | Sebastes mystinus | | count | Actual | | | | |
| 166783 | Sebastolobus alascanus | | count | Actual | | | | |
| 167110 | Hexagrammos decagrammus | | count | Actual | | | | |
| 167113 | Hexagrammos stelleri | | count | Actual | | | | |
| 167116 | Ophiodon elongatus | | count | Actual | | | | |
| 167128 | Zaniolepis latipinnis | | count | Actual | | | | |
| 167193 | Icelus spiniger | | count | Actual | | | | |
| 167211 | Arteidius fenestralis | | count | Actual | | | | |
| 167215 | Arteidius notospilotus | | count | Actual | | | | |
| 167225 | Clinocottus embryum | | count | Actual | | | | |
| 167233 | Cottus asper | | count | Actual | | | | |
| 167267 | Enophrys bison | | count | Actual | | | | |
| 167273 | Gymnocanthus galeatus | | count | Actual | | | | |
| 167279 | Hemilepidotus hemilepidotus | | count | Actual | | | | |
| 167283 | Hemilepidotus spinosus | | count | Actual | | | | |

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|--------|-----------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 167302 | Leptocottus armatus | | count | Actual | | | | |
| 167304 | Malacocottus kincaidi | | count | Actual | | | | |
| 167315 | Myoxocephalus polyacanthocephalus | | count | Actual | | | | |
| 167329 | Nautichthys oculofasciatus | | count | Actual | | | | |
| 167333 | Oligocottus maculosus | | count | Actual | | | | |
| 167347 | Radulinus asprellus | | count | Actual | | | | |
| 167353 | Scorpaenichthys marmoratus | | count | Actual | | | | |
| 167371 | Triglops macellus | | count | Actual | | | | |
| 167373 | Triglops pingeli | | count | Actual | | | | |
| 167380 | Chitonotus pugetensis | | count | Actual | | | | |
| 167428 | Agonopsis vulsa | | count | Actual | | | | |
| 167445 | Bathyagonus nigripinnis | | count | Actual | | | | |
| 167448 | Bathyagonus alascanus | | count | Actual | | | | |
| 167450 | Bathyagonus pentacanthus | | count | Actual | | | | |
| 167458 | Ocella verrucosa | | count | Actual | | | | |
| 167460 | Odontopyxis trispinosa | | count | Actual | | | | |
| 167464 | Sarritor frenatus | | count | Actual | | | | |
| 167468 | Xeneretmus triacanthus | | count | Actual | | | | |
| 167472 | Stellerina xyosterna | | count | Actual | | | | |
| 167481 | Podothecus acipenserinus | | count | Actual | | | | |
| 167550 | Liparis | sp.1 | count | Actual | | | | |
| 167553 | Liparis callyodon | | count | Actual | | | | |
| 167557 | Liparis dennyi | | count | Actual | | | | |
| 167560 | Liparis fucensis | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 167680 | Morone saxatilis | | count | Actual | | | | |
| 167833 | Paralabrax maculatofasciatus | | count | Actual | | | | |
| 167834 | Paralabrax nebulifer | | count | Actual | | | | |
| 168165 | Pomoxis | | count | Actual | | | | |
| 168166 | Pomoxis annularis | | count | Actual | | | | |
| 169257 | Genyonemus lineatus | | count | Actual | | | | |
| 169303 | Umbrina roncador | | count | Actual | | | | |
| 169362 | Seriphus politus | | count | Actual | | | | |
| 169739 | Cymatogaster aggregata | | count | Actual | | | | |
| 169744 | Embiotoca lateralis | | count | Actual | | | | |
| 169747 | Hyperprosopon argenteum | | count | Actual | | | | |
| 169749 | Hyperprosopon anale | | count | Actual | | | | |
| 169751 | Phanerodon furcatus | | count | Actual | | | | |
| 169754 | Rhacochilus vacca | | count | Actual | | | | |
| 169755 | Rhacochilus toxotes | | count | Actual | | | | |
| 169758 | Amphistichus argenteus | | count | Actual | | | | |
| 169761 | Hypsurus caryi | | count | Actual | | | | |
| 170919 | Trichodon trichodon | | count | Actual | | | | |
| 171583 | Lumpenus sagitta | | count | Actual | | | | |
| 171634 | Apodichthys flavidus | | count | Actual | | | | |
| 171642 | Pholis ornata | | count | Actual | | | | |
| 171746 | Gobiidae | | count | Actual | | | | |
| 171762 | Lepidogobius lepidus | | count | Actual | | | | |
| 171882 | Acanthogobius flavimanus | | count | Actual | | | | |

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|--------|------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 171892 | <i>Ilypnus gilberti</i> | | count | Actual | | | | |
| 171912 | <i>Tridentiger trigonocephalus</i> | | count | Actual | | | | |
| 172716 | <i>Citharichthys sordidus</i> | | count | Actual | | | | |
| 172717 | <i>Citharichthys stigmaeus</i> | | count | Actual | | | | |
| 172743 | <i>Paralichthys californicus</i> | | count | Actual | | | | |
| 172800 | <i>Xystreureys liolepis</i> | | count | Actual | | | | |
| 172868 | <i>Eopsetta jordani</i> | | count | Actual | | | | |
| 172870 | <i>Eopsetta exilis</i> | | count | Actual | | | | |
| 172875 | <i>Hippoglossoides elassodon</i> | | count | Actual | | | | |
| 172887 | <i>Microstomus pacificus</i> | | count | Actual | | | | |
| 172893 | <i>Platichthys stellatus</i> | | count | Actual | | | | |
| 172916 | <i>Pleuronectes bilineatus</i> | | count | Actual | | | | |
| 172918 | <i>Pleuronectes isolepis</i> | | count | Actual | | | | |
| 172920 | <i>Pleuronectes vetulus</i> | | count | Actual | | | | |
| 172923 | <i>Pleuronichthys coenosus</i> | | count | Actual | | | | |
| 172924 | <i>Pleuronichthys decurrens</i> | | count | Actual | | | | |
| 172925 | <i>Pleuronichthys ritteri</i> | | count | Actual | | | | |
| 172926 | <i>Pleuronichthys verticalis</i> | | count | Actual | | | | |
| 172928 | <i>Psettichthys melanostictus</i> | | count | Actual | | | | |
| 172945 | <i>Hypsopsetta guttulata</i> | | count | Actual | | | | |
| 172977 | <i>Errex zachirus</i> | | count | Actual | | | | |
| 173077 | <i>Symphurus atricauda</i> | | count | Actual | | | | |
| 203347 | Tunicata | | count | Actual | | | | |
| 204927 | Lottiidae | | count | Actual | | | | |

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|--------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 46861 | Porifera | | count | Actual | | | | |
| 48739 | Hydrozoa | | count | Actual | | | | |
| 51483 | Scyphozoa | | count | Actual | | | | |
| 51640 | Chrysaora | | count | Actual | | | | |
| 51938 | Anthozoa | | count | Actual | | | | |
| 52736 | Metridium | | count | Actual | | | | |
| 52737 | Metridium senile | | count | Actual | | | | |
| 53856 | Ctenophora | | count | Actual | | | | |
| 550588 | Lycodes cortezianus | | count | Actual | | | | |
| 551209 | Clupea pallasii | | count | Actual | | | | |
| 616029 | Reinhardtius stomias | | count | Actual | | | | |
| 64358 | Polychaeta | | count | Actual | | | | |
| 67101 | Phyllochaetopterus prolifica | | count | Actual | | | | |
| 67669 | Sabellaria | | count | Actual | | | | |
| 69459 | Gastropoda | | count | Actual | | | | |
| 70298 | Mesogastropoda | | count | Actual | | | | |
| 71549 | Pleurocera | | count | Actual | | | | |
| 72917 | Polinices lewisii | | count | Actual | | | | |
| 73017 | Fusitriton | | count | Actual | | | | |
| 73240 | Ceratostoma foliatum | | count | Actual | | | | |
| 76176 | Philine | | count | Actual | | | | |
| 78156 | Nudibranchia | | count | Actual | | | | |
| 78332 | Triopha catalinae | | count | Actual | | | | |
| 78472 | Tritonia | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 78568 | Armina californica | | count | Actual | | | | |
| 78728 | Aeolidia papillosa | | count | Actual | | | | |
| 78781 | Opisthobranchia | | count | Actual | | | | |
| 79032 | Cryptochiton stelleri | | count | Actual | | | | |
| 79118 | Bivalvia | | count | Actual | | | | |
| 79273 | Yoldia limatula | | count | Actual | | | | |
| 79454 | Mytilus edulis | | count | Actual | | | | |
| 79577 | Musculista senhousia | | count | Actual | | | | |
| 79611 | Pectinidae | | count | Actual | | | | |
| 79612 | Chlamys | | count | Actual | | | | |
| 81385 | Corbicula | | count | Actual | | | | |
| 81746 | Potamocorbula amurensis | | count | Actual | | | | |
| 82326 | Cephalopoda | | count | Actual | | | | |
| 82589 | Octopoda | | count | Actual | | | | |
| 83677 | Crustacea | | count | Actual | | | | |
| 89433 | Cirripedia | | count | Actual | | | | |
| 89602 | Balanus balanus | | count | Actual | | | | |
| 91277 | Macrura | | count | Actual | | | | |
| 92120 | Isopoda | | count | Actual | | | | |
| 92588 | Idotea | | count | Actual | | | | |
| 93294 | Amphipoda | | count | Actual | | | | |
| 95599 | Decapoda | | count | Actual | | | | |
| 96106 | Caridea | | count | Actual | | | | |
| 96450 | Palaemon macrodactylus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 96830 | Heptacarpus | | count | Actual | | | | |
| 96966 | Pandalus | | count | Actual | | | | |
| 96979 | Pandalus platyceros | | count | Actual | | | | |
| 96981 | Pandalus hypsinotus | | count | Actual | | | | |
| 96982 | Pandalus danae | | count | Actual | | | | |
| 96984 | Pandalus stenolepis | | count | Actual | | | | |
| 96995 | Pandalopsis dispar | | count | Actual | | | | |
| 97106 | Crangonidae | | count | Actual | | | | |
| 97107 | Crangon | | count | Actual | | | | |
| 97107A | Crangon | sp.1 | count | Actual | | | | |
| 97169 | Paracrangon echinata | | count | Actual | | | | |
| 97732 | Callianassidae | | count | Actual | | | | |
| 97966 | Munida quadrispina | | count | Actual | | | | |
| 98431 | Chionoecetes tanneri | | count | Actual | | | | |
| 98436 | Pugettia producta | | count | Actual | | | | |
| 98512 | Pyromaia tuberculata | | count | Actual | | | | |
| 98672 | Cancer productus | | count | Actual | | | | |
| 98675 | Cancer magister | | count | Actual | | | | |
| 98676 | Cancer gracilis | | count | Actual | | | | |
| 98734 | Carcinus maenas | | count | Actual | | | | |
| 99035 | Hemigrapsus nudus | | count | Actual | | | | |
| 99058 | Eriocheir sinensis | | count | Actual | | | | |

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| | | | | | | | |
|-----------------|---------------------------|-----------------------|---------------|-----------------|------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FSPECGU9 | Fish taxon: NCA-Gulf 2000 | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |

Citations U.S. Environmental Protection Agency, 2001, National Coastal Assessment: Field Operations Manual, USEPA NHEERL, Gulf Ecology Division, Gulf Breeze, FL, 72

Description Counts of fish and invertebrate abundance collected in one or two trawls for the National Coastal Assessment-Gulf 2000 program. Collection was conducted by trawl in all states, and by seine or electroshock wand at some stations in Alabama.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 156868 | Luidia clathrata | | count | Actual | | | | |
| 160951 | Dasyatis americana | | count | Actual | | | | |
| 160953 | Dasyatis sabina | | count | Actual | | | | |
| 160954 | Dasyatis say | | count | Actual | | | | |
| 160962 | Gymnura micrura | | count | Actual | | | | |
| 161093 | Lepisosteus | | count | Actual | | | | |
| 161095 | Lepisosteus oculatus | | count | Actual | | | | |
| 161111 | Elops saurus | | count | Actual | | | | |
| 161123 | Anguilliformes | | count | Actual | | | | |
| 161127 | Anguilla rostrata | | count | Actual | | | | |
| 161462 | Ophichthus gomesi | | count | Actual | | | | |
| 161734 | Brevoortia patronus | | count | Actual | | | | |
| 161737 | Dorosoma cepedianum | | count | Actual | | | | |
| 161738 | Dorosoma petenense | | count | Actual | | | | |
| 161748 | Opisthonema oglinum | | count | Actual | | | | |
| 161755 | Harengula jaguana | | count | Actual | | | | |
| 161763 | Sardinella aurita | | count | Actual | | | | |
| 161838 | Anchoa hepsetus | | count | Actual | | | | |
| 161839 | Anchoa mitchilli | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 161842 | Anchoa lyolepis | | count | Actual | | | | |
| 162376 | Synodus foetens | | count | Actual | | | | |
| 164029 | Pylodictis olivaris | | count | Actual | | | | |
| 164157 | Ariidae | | count | Actual | | | | |
| 164159 | Bagre marinus | | count | Actual | | | | |
| 164165 | Arius felis | | count | Actual | | | | |
| 164424 | Opsanus beta | | count | Actual | | | | |
| 164460 | Gobiesox strumosus | | count | Actual | | | | |
| 164579 | Ogcocephalus radiatus | | count | Actual | | | | |
| 164797 | Merluccius australis | | count | Actual | | | | |
| 165550 | Strongylura | | count | Actual | | | | |
| 165679 | Lucania parva | | count | Actual | | | | |
| 165685 | Floridichthys carpio | | count | Actual | | | | |
| 165989 | Membras martinica | | count | Actual | | | | |
| 165992 | Menidia | | count | Actual | | | | |
| 165993 | Menidia beryllina | | count | Actual | | | | |
| 166444 | Syngnathus | | count | Actual | | | | |
| 166446 | Syngnathus floridae | | count | Actual | | | | |
| 166452 | Syngnathus louisianae | | count | Actual | | | | |
| 166458 | Syngnathus scovelli | | count | Actual | | | | |
| 166488 | Hippocampus erectus | | count | Actual | | | | |
| 166493 | Hippocampus zosterae | | count | Actual | | | | |
| 166597 | Cosmocampus albirostris | | count | Actual | | | | |
| 166653 | Anarchopterus criniger | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 166816 | Scorpaena brasiliensis | | count | Actual | | | | |
| 166976 | Prionotus scitulus | | count | Actual | | | | |
| 166977 | Prionotus tribulus | | count | Actual | | | | |
| 166996 | Prionotus longispinosus | | count | Actual | | | | |
| 167014 | Eucinostomus | | count | Actual | | | | |
| 167683 | Morone mississippiensis | | count | Actual | | | | |
| 167686 | Centropristis | | count | Actual | | | | |
| 167691 | Centropristis philadelphia | | count | Actual | | | | |
| 167793 | Diplectrum formosum | | count | Actual | | | | |
| 167796 | Diplectrum bivittatum | | count | Actual | | | | |
| 167806 | Hypoplectrus unicolor | | count | Actual | | | | |
| 168132 | Lepomis cyanellus | | count | Actual | | | | |
| 168138 | Lepomis gulosus | | count | Actual | | | | |
| 168141 | Lepomis macrochirus | | count | Actual | | | | |
| 168154 | Lepomis microlophus | | count | Actual | | | | |
| 168160 | Micropterus salmoides | | count | Actual | | | | |
| 168166 | Pomoxis annularis | | count | Actual | | | | |
| 168167 | Pomoxis nigromaculatus | | count | Actual | | | | |
| 168609 | Caranx hippos | | count | Actual | | | | |
| 168670 | Chloroscombrus chrysurus | | count | Actual | | | | |
| 168673 | Oligoplites saurus | | count | Actual | | | | |
| 168680 | Selene vomer | | count | Actual | | | | |
| 168684 | Selene setapinnis | | count | Actual | | | | |
| 168740 | Hemicaranx amblyrhynchus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 168848 | Lutjanus griseus | | count | Actual | | | | |
| 168860 | Lutjanus synagris | | count | Actual | | | | |
| 168907 | Ocyurus chrysurus | | count | Actual | | | | |
| 169015 | Eucinostomus argenteus | | count | Actual | | | | |
| 169016 | Eucinostomus gula | | count | Actual | | | | |
| 169025 | Eucinostomus harengulus | | count | Actual | | | | |
| 169059 | Haemulon plumierii | | count | Actual | | | | |
| 169077 | Orthopristis chrysoptera | | count | Actual | | | | |
| 169187 | Lagodon rhomboides | | count | Actual | | | | |
| 169189 | Archosargus probatocephalus | | count | Actual | | | | |
| 169190 | Archosargus rhomboidalis | | count | Actual | | | | |
| 169196 | Calamus arctifrons | | count | Actual | | | | |
| 169239 | Cynoscion nebulosus | | count | Actual | | | | |
| 169240 | Cynoscion nothus | | count | Actual | | | | |
| 169243 | Cynoscion arenarius | | count | Actual | | | | |
| 169259 | Bairdiella chrysoura | | count | Actual | | | | |
| 169262 | Bairdiella batabana | | count | Actual | | | | |
| 169267 | Leiostomus xanthurus | | count | Actual | | | | |
| 169269 | Larimus fasciatus | | count | Actual | | | | |
| 169273 | Menticirrhus | | count | Actual | | | | |
| 169274 | Menticirrhus americanus | | count | Actual | | | | |
| 169283 | Micropogonias undulatus | | count | Actual | | | | |
| 169288 | Pogonias cromis | | count | Actual | | | | |
| 169292 | Stellifer lanceolatus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 169539 | Chaetodipterus faber | | count | Actual | | | | |
| 169809 | Tilapia | | count | Actual | | | | |
| 170335 | Mugil cephalus | | count | Actual | | | | |
| 170336 | Mugil curema | | count | Actual | | | | |
| 170428 | Sphyraena guachancho | | count | Actual | | | | |
| 170447 | Polydactylus octonemus | | count | Actual | | | | |
| 170566 | Lachnolaimus maximus | | count | Actual | | | | |
| 170860 | Nicholsina usta | | count | Actual | | | | |
| 170864 | Sparisoma chrysopterygum | | count | Actual | | | | |
| 171433 | Paraclinus marmoratus | | count | Actual | | | | |
| 171737 | Diplogrammus pauciradiatus | | count | Actual | | | | |
| 171746 | Gobiidae | | count | Actual | | | | |
| 171768 | Gobionellus boleosoma | | count | Actual | | | | |
| 171769 | Gobionellus oceanicus | | count | Actual | | | | |
| 171789 | Gobiosoma bosc | | count | Actual | | | | |
| 171791 | Gobiosoma robustum | | count | Actual | | | | |
| 171807 | Microgobius | | count | Actual | | | | |
| 171808 | Microgobius gulosus | | count | Actual | | | | |
| 171809 | Microgobius thalassinus | | count | Actual | | | | |
| 171811 | Microgobius microlepis | | count | Actual | | | | |
| 171818 | Bathygobius curacao | | count | Actual | | | | |
| 171878 | Eretelis smaragdus | | count | Actual | | | | |
| 172385 | Trichiurus lepturus | | count | Actual | | | | |
| 172436 | Scomberomorus maculatus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 172568 | Peprilus burti | | count | Actual | | | | |
| 172570 | Peprilus alepidotus | | count | Actual | | | | |
| 172724 | Citharichthys macrops | | count | Actual | | | | |
| 172725 | Citharichthys spilopterus | | count | Actual | | | | |
| 172729 | Etropus crossotus | | count | Actual | | | | |
| 172736 | Paralichthys albigutta | | count | Actual | | | | |
| 172738 | Paralichthys lethostigma | | count | Actual | | | | |
| 172757 | Ancylosetta quadrocellata | | count | Actual | | | | |
| 172982 | Trinectes maculatus | | count | Actual | | | | |
| 172986 | Achirus lineatus | | count | Actual | | | | |
| 173061 | Symphurus | | count | Actual | | | | |
| 173062 | Symphurus plagiosa | | count | Actual | | | | |
| 173067 | Symphurus parvus | | count | Actual | | | | |
| 173131 | Aluterus schoepfi | | count | Actual | | | | |
| 173179 | Monacanthus ciliatus | | count | Actual | | | | |
| 173182 | Monacanthus hispidus | | count | Actual | | | | |
| 173239 | Lactophrys triqueter | | count | Actual | | | | |
| 173240 | Lactophrys quadricornis | | count | Actual | | | | |
| 173285 | Lagocephalus laevigatus | | count | Actual | | | | |
| 173297 | Sphoeroides nephelus | | count | Actual | | | | |
| 173299 | Sphoeroides parvus | | count | Actual | | | | |
| 173300 | Sphoeroides spengleri | | count | Actual | | | | |
| 173384 | Chilomycterus schoepfi | | count | Actual | | | | |
| 551570 | Farfantepenaeus aztecus | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 551574 | Farfantepenaeus duorarum | | count | Actual | | | | |
| 551666 | Rimopenaeus similis | | count | Actual | | | | |
| 551680 | Litopenaeus setiferus | | count | Actual | | | | |
| 5551662 | Rimopenaeus constrictus | | count | Actual | | | | |
| 79872 | Crassostrea virginica | | count | Actual | | | | |
| 80962 | Rangia cuneata | | count | Actual | | | | |
| 80963 | Rangia flexuosa | | count | Actual | | | | |
| 81496 | Mercenaria mercenaria | | count | Actual | | | | |
| 82373 | Loligo plei | | count | Actual | | | | |
| 82379 | Lolliguncula brevis | | count | Actual | | | | |
| 82703 | Limulus polyphemus | | count | Actual | | | | |
| 95602 | Penaeidae | | count | Actual | | | | |
| 95604 | Farfantepenaeus | | count | Actual | | | | |
| 95605 | Penaeus aztecus | | count | Actual | | | | |
| 95608 | Penaeus duorarum | | count | Actual | | | | |
| 95610 | Penaeus setiferus | | count | Actual | | | | |
| 95750 | Xiphopenaeus kroyeri | | count | Actual | | | | |
| 96030 | Sicyonia dorsalis | | count | Actual | | | | |
| 96221 | Macrobrachium ohione | | count | Actual | | | | |
| 96391 | Palaemonetes vulgaris | | count | Actual | | | | |
| 97648 | Panulirus argus | | count | Actual | | | | |
| 98453 | Libinia | | count | Actual | | | | |
| 98454 | Libinia dubia | | count | Actual | | | | |
| 98455 | Libinia emarginata | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 98689 | Portunidae | | count | Actual | | | | |
| 98696 | Callinectes sapidus | | count | Actual | | | | |
| 98697 | Callinectes similis | | count | Actual | | | | |
| 98718 | Portunus gibbesii | | count | Actual | | | | |
| 98790 | Rhithropanopeus harrisi | | count | Actual | | | | |
| 98810 | Menippe | | count | Actual | | | | |
| 98812 | Menippe adina | | count | Actual | | | | |
| 99140 | Stomatopoda | | count | Actual | | | | |
| 99143 | Squilla empusa | | count | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|------------|-----------------|-------------|-------------------------------|---------|
| FSPECNE9 | Fish taxon: NCA-NE 2000-01 | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |
| Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | | |
| Description | Counts of fish abundance collected in one trawl for the National Coastal Assessment-Northeast (NE) 2000-01 program. | | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| ALOSAEST | Alosa aestivalis | | count | Actual | | | | |
| ALOSMEDI | Alosa mediocris | | count | Actual | | | | |
| ALOSPSEU | Alosa pseudoharengus | | count | Actual | | | | |
| ALOSSAPI | Alosa sapidissima | | count | Actual | | | | |
| AMBLRADI | Amblyraja radiata | | count | Actual | | | | |
| AMEICATU | Ameiurus catus | | count | Actual | | | | |
| AMEINEBU | Ameiurus nebulosus | | count | Actual | | | | |

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|----------|-----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| ANCHHEPS | Anchoa hepsetus | | count | Actual | | | | |
| ANCHMITC | Anchoa mitchilli | | count | Actual | | | | |
| ANGUROST | Anguilla rostrata | | count | Actual | | | | |
| APELQUAD | Apeltes quadracus | | count | Actual | | | | |
| ARGESILU | Argentina silus | | count | Actual | | | | |
| ASTRGUTT | Astroscopus guttatus | | count | Actual | | | | |
| BAIRCHOU | Bairdiella chrysoura | | count | Actual | | | | |
| BREVTYRA | Brevoortia tyrannus | | count | Actual | | | | |
| CARABART | Caranx bartholomaei | | count | Actual | | | | |
| CATOCOMM | Catostomus commersoni | | count | Actual | | | | |
| CENTSTRI | Centropristis striata | | count | Actual | | | | |
| CHASBOSQ | Chasmodes bosquianus | | count | Actual | | | | |
| CLUPEI01 | Clupeidae | | count | Actual | | | | |
| CLUPHARE | Clupea harengus | | count | Actual | | | | |
| CYNOREGA | Cynoscion regalis | | count | Actual | | | | |
| CYPRIN01 | Cyprinus | | count | Actual | | | | |
| CYPRVARI | Cyprinodon variegatus | | count | Actual | | | | |
| DECAPUNC | Decapterus punctatus | | count | Actual | | | | |
| DOROCEPE | Dorosoma cepedianum | | count | Actual | | | | |
| ENCHCIMB | Enchelyopus cimbrius | | count | Actual | | | | |
| ENGRAU01 | Engraulidae | | count | Actual | | | | |
| ETHEFUSI | Etheostoma fusiforme | | count | Actual | | | | |
| ETROMICR | Etropus microstomus | | count | Actual | | | | |
| FISTTABA | Fistularia tabacaria | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| FUNDDIAP | Fundulus diaphanus | | count | Actual | | | | |
| FUNDHETE | Fundulus heteroclitus | | count | Actual | | | | |
| GADUMORH | Gadus morhua | | count | Actual | | | | |
| GOBIBOSC | Gobiosoma bosc | | count | Actual | | | | |
| HEMIAMER | Hemirhamphus americanus | | count | Actual | | | | |
| HETEROMA | Heteromastus | | count | Actual | | | | |
| HIPPEREC | Hippocampus erectus | | count | Actual | | | | |
| HIPPPLAT | Hippoglossoides platessoides | | count | Actual | | | | |
| ICTAPUNC | Ictalurus punctatus | | count | Actual | | | | |
| LAGORHOM | Lagodon rhomboides | | count | Actual | | | | |
| LEIOXANT | Leiostomus xanthurus | | count | Actual | | | | |
| LEPOGIBB | Lepomis gibbosus | | count | Actual | | | | |
| LEPOPROF | Lepophidium profundorum | | count | Actual | | | | |
| LOPHAMER | Lophius americanus | | count | Actual | | | | |
| LUMPLUMP | Lumpenus lumpretaeformis | | count | Actual | | | | |
| MACRAMER | Macrozoarces americanus | | count | Actual | | | | |
| MENIMENI | Menidia menidia | | count | Actual | | | | |
| MENTSAXA | Menticirrhus saxatilis | | count | Actual | | | | |
| MERLBILI | Merluccius bilinearis | | count | Actual | | | | |
| MICRTOMC | Microgadus tomcod | | count | Actual | | | | |
| MICRUNDU | Micropogonias undulatus | | count | Actual | | | | |
| MONAHISP | Monacanthus hispidus | | count | Actual | | | | |
| MOROAMER | Morone americana | | count | Actual | | | | |
| MOROSAXA | Morone saxatilis | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|-----------|---------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| MUSTCANI | Mustelus canis | | count | Actual | | | | |
| MYOXAENA | Myoxocephalus aeneus | | count | Actual | | | | |
| MYOXOCTO | Myoxocephalus octodecemspinosus | | count | Actual | | | | |
| NOTECRY5 | Notemigonus crysoleucas | | count | Actual | | | | |
| NOTRHU5D5 | Notropis hudsonius | | count | Actual | | | | |
| NOTROP01 | Notropis | | count | Actual | | | | |
| OPHIMARG | Ophidion marginatum | | count | Actual | | | | |
| OPSATAU | Opsanus tau | | count | Actual | | | | |
| PARADENT | Paralichthys dentatus | | count | Actual | | | | |
| PARAOBLO | Paralichthys oblongus | | count | Actual | | | | |
| PEPRTRIA | Peprilus triacanthus | | count | Actual | | | | |
| PHOLGUNN | Pholis gunnellus | | count | Actual | | | | |
| PLEUAMER | Pleuronectes americanus | | count | Actual | | | | |
| PLEUFERR | Pleuronectes ferrugineus | | count | Actual | | | | |
| PLEUPUTN | Pleuronectes putnami | | count | Actual | | | | |
| POGOCROM | Pogonias cromis | | count | Actual | | | | |
| POLLVIRE | Pollachius virens | | count | Actual | | | | |
| POMASALT | Pomatomus saltatrix | | count | Actual | | | | |
| POMONIGR | Pomoxis nigromaculatus | | count | Actual | | | | |
| PRIACRUE | Priacanthus cruentatus | | count | Actual | | | | |
| PRIOCARO | Prionotus carolinus | | count | Actual | | | | |
| PRIOEVOL | Prionotus evolans | | count | Actual | | | | |
| PUNGPUNG | Pungitius pungitius | | count | Actual | | | | |
| RAJAEGLA | Raja eglanteria | | count | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|-----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| RAJAERIN | Raja erinacea | | count | Actual | | | | |
| RAJAOCEL | Raja ocellata | | count | Actual | | | | |
| RAJIDA01 | Rajidae | | count | Actual | | | | |
| RHINBONA | Rhinoptera bonasus | | count | Actual | | | | |
| SCIAOCEL | Sciaenops ocellatus | | count | Actual | | | | |
| SCOPAQUO | Scophthalmus aquosus | | count | Actual | | | | |
| SEBAFASC | Sebastes fasciatus | | count | Actual | | | | |
| SELEOERS | Selene orstedii | | count | Actual | | | | |
| SELESETA | Selene setapinnis | | count | Actual | | | | |
| SELEVOME | Selene vomer | | count | Actual | | | | |
| SPARID01 | Sparidae | | count | Actual | | | | |
| SPHOMACU | Sphoeroides maculatus | | count | Actual | | | | |
| SPHYBORE | Sphyaena borealis | | count | Actual | | | | |
| SQUAACAN | Squalus acanthias | | count | Actual | | | | |
| STENCHRY | Stenotomus chrysops | | count | Actual | | | | |
| SYNGFUSC | Syngnathus fuscus | | count | Actual | | | | |
| SYNGNA02 | Syngnathidae | | count | Actual | | | | |
| SYNOFOET | Synodus foetens | | count | Actual | | | | |
| TAUTADSP | Tautogolabrus adspersus | | count | Actual | | | | |
| TAUTONIT | Tautoga onitis | | count | Actual | | | | |
| TRINMACU | Trinectes maculatus | | count | Actual | | | | |
| UROPHCHUS | Urophycis chuss | | count | Actual | | | | |
| UROPREGI | Urophycis regia | | count | Actual | | | | |
| UROPTENU | Urophycis tenuis | | count | Actual | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|--|--------|--------|-----------|--------------|---------|
| GROUP1CT | Water physical: NCA-CT | Field Msr/Obs | Water | | | | N |
| | Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | |
| | Description | Sea-bird SBE-19 used in 2000-01 by Connecticut. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | CTD-NCA-CT | |
| PH | pH | None | Dissolved | Actual | | | | | CTD-NCA-CT | |
| SAL | Salinity | ppt | Dissolved | Actual | | | | | CTD-NCA-CT | |
| SECCHI | Transparency, tube with disk | m | | Actual | | | | | SECCHI-NCA | |
| TEMP | Temperature, water | deg C | | Actual | | | | | CTD-NCA-CT | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| GROUP1EW | Hydrolab cast: CA/OR 1999-2000 | Sample | Water | | | | N |
| | Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | |
| | Description | Hydrolab hand-held cast with probes used by California and Oregon for EMAP-West Coastal Monitoring in 1999-2000. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | S/m | Dissolved | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | HYDROLAB CAST | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| PARAMB | Light Photosynthetic Active Radiation (PAR) | umol/m2/s | Dissolved | Actual | | | | | LIGHT METER PAR | |
| PARUW | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | Dissolved | Actual | | | | | HYDROLAB CAST | |
| PH | pH | None | Dissolved | Actual | | | | | HYDROLAB CAST | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| SAL | Salinity | PSS | Dissolved | Actual | | | | | HYDROLAB CAST | |
| | Acceptable Range | 0.00000 - 38.00000 PSS | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | HYDROLAB CAST | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| GROUP1GU | Water physical: NCA-Gulf 2000 | Field Msr/Obs | Water | | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Vertical profile conducted with Hydrolab (?) by states in the Gulf region: Alabama, Texax, Florida, Mississippi and Louisiana. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | CTD-NCA-CT | |
| | Acceptable Range | 0.00000 - 21.50000 mg/l | | | | | | | | |
| PAR_D | Light Photosynthetic Active Radiation At Depth (PAR) | uE/m2/sec | Total | Actual | | | | | HYDRO-NCA | |
| | Acceptable Range | 0.00000 - 2,100.00000 uE/m2/sec | | | | | | | | |
| PAR_S | Light Photosynthetic Active Radiation (PAR) | uE/m2/sec | Total | Actual | | | | | HYDRO-NCA | |
| | Acceptable Range | 0.00000 - 2,100.00000 uE/m2/sec | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | HYDRO-NCA | |
| | Acceptable Range | 0.00000 - 9.00000 None | | | | | | | | |
| SAL | Salinity | ppt | Total | Actual | | | | | CTD-NCA-CT | |
| | Acceptable Range | 0.00000 - 53.50000 ppt | | | | | | | | |
| SECCHI | Transparency, tube with disk | m | | Actual | | | | | SECCHI-NCA | |
| | Acceptable Range | 0.00000 - 4.50000 m | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | CTD-NCA-CT | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 2.00000 - 34.50000 deg C | | | | | | | | |
| TRANS | Light Transmissivity | % | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 120.00000 % | | | | | | | | |
| TRANS_1 | Light Transmissivity | % | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 75.00000 % | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| GROUP1NE | Water physical: NCA-NE 2000-01 | Field Msr/Obs | Water | | | | N |
| | Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | |
| | Description | Hydrolab DataSonde 3 multi-probe data logging units were used for all measurements except Secchi measurements in 2000-01 used by states in the Northeast region other than New York, New Jersey and Connecticut. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | HYDRO-NCA | |
| PH | pH | None | Dissolved | Actual | | | | | HYDRO-NCA | |
| SAL | Salinity | ppt | Dissolved | Actual | | | | | HYDRO-NCA | |
| SECCHI | Transparency, tube with disk | m | | Actual | | | | | SECCHI-NCA | |
| TEMP | Temperature, water | deg C | | Actual | | | | | HYDRO-NCA | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|--|--------|--------|-----------|--------------|---------|
| GROUP1NY | Water physical: NCA-NY/NH | Field Msr/Obs | Water | | | | N |
| | Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | |
| | Description | YSI model 6600_M used by NH and NY-NCA in 2000-01 or Seabird model 25 used by NCA-NY in 2000-01. | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | YSI-NCA | |
| PH | pH | None | Dissolved | Actual | | | | | YSI-NCA | |
| SAL | Salinity | ppt | Dissolved | Actual | | | | | YSI-NCA | |
| SECCHI | Transparency, tube with disk | m | | Actual | | | | | SECCHI-NCA | |
| TEMP | Temperature, water | deg C | | Actual | | | | | YSI-NCA | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| GROUP1WA | CTD Seabird cast: WA 1999-2000 | Sample | Water | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | CTD hand-held cast used by state of Washington. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | SEABIRD CAST | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| DO_SAT | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | SEABIRD CAST | |
| PARUW | Light Photosynthetic Active Radiation At Depth (PAR) | umol/m2/s | Dissolved | Actual | | | | | LI-193SA | |
| PH | pH | None | Dissolved | Actual | | | | | SEABIRD CAST | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| SAL | Salinity | PSS | Dissolved | Actual | | | | | SEABIRD CAST | |
| | Acceptable Range | 0.00000 - 38.00000 PSS | | | | | | | | |
| SP_COND | Specific conductance | mS/cm | Dissolved | Actual | | | | | SEABIRD CAST | |
| TEMP | Temperature, water | deg C | | Actual | | | | | SEABIRD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 40.00000 deg C | | | | | | | CAST | |
| TRANS | Light Transmissivity | % | Dissolved | Actual | | | | | SEABIRD CAST | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| GROUP2CA | Nutrients:EMAP-West CA 99-00 | Sample | Water | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | Nutrient concentrations measured in water samples collected in California during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Filterable | Calculated | | | | | FLUORO | 90%ACEX |
| NH4-N | Nitrogen, ammonium (NH4) as NH4 | ug/l | Total | Actual | | | | | S/M72:WA | TAAII |
| NH4-N(2) | Nitrogen, ammonium (NH4) as NH4 | ug/l | Total | Actual | | | | | AKRFA300 | NR |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | ug/l | Total | Actual | | | | | ARM67N:WA | TAAII |
| NO2-N(2) | Nitrogen, Nitrite (NO2) as NO2 | ug/l | Total | Actual | | | | | AKRFA300 | NR |
| NO3+NO2-N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | ug/l | Total | Actual | | | | | AKRFA300 | NR |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | ug/l | Total | Calculated | | | | | ARM67N:WA | TAAII |
| NO3-N(2) | Nitrogen, Nitrate (NO3) as NO3 | ug/l | Total | Calculated | | | | | AKRFA300 | NR |
| PHAE | Pheophytin-a | ug/l | Filterable | Calculated | | | | | FLUORO | 90%ACEX |
| PO4-P | Phosphorus, orthophosphate as PO4 | ug/l | Total | Actual | | | | | B/W67:WA | TAAII |
| PO4-P(2) | Phosphorus, orthophosphate as PO4 | ug/l | Total | Actual | | | | | AKRFA300 | NR |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Calculated | | | | | EPA-160.2 | NR |
| TSS(2) | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Calculated | | | | | MBH54AR | NR |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| GROUP2EW | Nutrients:EMAP-West WA 99-00 | Sample | Water | | | | N |

Citations Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
Description Nutrient concentrations measured in water samples collected in Washington during EMAP-West 1999.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Filterable | Calculated | | | | | FLUORO | 90%ACEX |
| CHLA_C | Chlorophyll a, corrected for pheophytin | ug/l | Filterable | Calculated | | | | | CHLA-NCA | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| NH4-N | Nitrogen, ammonium (NH4) as NH4 | mg/l | Total | Actual | | | | | S/M72:WA | TAAII |
| NO2+NO3-N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | ARM67N:WA | TAAII |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | ARM67N:WA | TAAII |
| PHAE | Pheophytin-a | ug/l | Filterable | Calculated | | | | | FLUORO | 90%ACEX |
| PHOS | Phosphate | mg/l | Total | Actual | | | | | | |
| PO4-P | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | B/W67:WA | TAAII |
| SI | Silica | mg/l | Total | Actual | | | | | | |
| SIOH4-S | Silicate | ug/l | Total | Actual | | | | | ARM67:WA | TAAII |
| SUBPAR | Chlorophyll a (probe relative | uE/m2/sec | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TERPAR | fluorescence) Chlorophyll a (probe relative fluorescence) | umol/m2/s | Total | Actual | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Calculated | | | | | EPA-160.2 | EPA 160.2 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| GROUP2GU | Nutrients: NCA-Gulf 2000 | Sample | Water | | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Nutrient concentrations measured in water samples collected during EMAP's National Coastal Assessment-Gulf 2000. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Filterable | Calculated | | | | | EPA 445.0M | 90%ACEX |
| | Acceptable Range | 0.00000 - 80.00000 ug/l | | | | | | | | |
| DON | Nitrogen, organic | mg/l | Dissolved | Calculated | | | | | | |
| | Acceptable Range | 0.00000 - 0.50000 mg/l | | | | | | | | |
| DOP | Phosphorus, organic as P | mg/l | Dissolved | Calculated | | | | | | |
| | Acceptable Range | 0.00000 - 0.10000 mg/l | | | | | | | | |
| NH4_N | Nitrogen, ammonium (NH4) as NH4 | mg/l | Total | Calculated | | | | | EPA-349.0 | TAAII |
| | Acceptable Range | 0.00000 - 0.50000 mg/l | | | | | | | | |
| NO2_N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Calculated | | | | | EPA-300.0 | TAAII |
| | Acceptable Range | 0.00000 - 0.50000 mg/l | | | | | | | | |
| NO2_NO3_N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Calculated | | | | | EPA-353.3 | |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| NO3_N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Calculated | | | | | EPA-300.0 | TAAII |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-----------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PO4_P | Phosphorus, orthophosphate as PO4 | mg/l | Total | Calculated | | | | | EPA-365.5 | TAAII |
| | Acceptable Range | 0.00000 - 1.50000 mg/l | | | | | | | | |
| SIO4_SI | Silicate | mg/l | Total | Calculated | | | | | EPA-366 | TAAII |
| | Acceptable Range | 0.00000 - 2.50000 mg/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Calculated | | | | | EPA-160.2 | EPA 160.2 |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|--|--------|--------|-----------|--------------|---------|
| GROUP2NE | Nutrients: NCA-NE 2000-01 | Sample | Water | | | | N |
| | Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | |
| | Description | Nutrient concentrations measured in water samples collected during EMAP's National Coastal Assessment-Northeast 2000-01. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Non-filterable | Calculated | | | | | CHLA-NCA | CHLA-NCA |
| NH4 | Nitrogen, ammonia as N | mg/l | Dissolved | Calculated | | | | | NUTRNT-NCA | NUT-NCA |
| NO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Calculated | | | | | NUTRNT-NCA | NUT-NCA |
| NO23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | NUTRNT-NCA | NUT-NCA |
| PO4F | Phosphorus, orthophosphate as P | mg/l | Dissolved | Calculated | | | | | NUTRNT-NCA | NUT-NCA |
| SI | Silica | mg/l | Dissolved | Calculated | | | | | NUTRNT-NCA | NUT-NCA |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Calculated | | | | | TSS-NCA | TSS-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| GROUP2OR | Nutrients:EMAP-West OR 99-00 | Sample | Water | | | | N |

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Citations Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
Description Nutrient concentrations measured in water samples collected in Oregon during EMAP-West 1999.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Filterable | Calculated | | | | | EPA-445.0 | NR |
| NH4-N | Nitrogen, ammonium (NH4) as NH4 | ug/l | Total | Actual | | | | | EPA-350.1 | NR |
| NO3+NO2-N | Nitrogen, Nitrate (NO3) as NO3 | ug/l | Total | Actual | | | | | ARM67N:WA | NR |
| PHAE | Pheophytin-a | ug/l | Filterable | Calculated | | | | | EPA-445.0 | NR |
| PO4-P | Phosphorus, orthophosphate as PO4 | ug/l | Total | Actual | | | | | EPA-365.2 | NR |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Calculated | | | | | EPA-160.2 | NR |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|----------|--------|-----------|--------------|---------|
| GROUP3EW | Sed. toxicity test: EMAP-West | Sample | Sediment | | | | N |

Citations Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
Description Results of sediment toxicity tests conducted with sediment collected in EMAP-West 1999.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MN_RES_AA | Toxicity, sediment, Ampelisca abdita, survival | % | Total | Calculated | | | | | ASTM1993 | |
| MN_RES_EE | Toxicity, sediment, Eohaustorius estuarius, survival | % | Total | Calculated | | | | | ASTM1993 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| GROUP3GU | Sed. toxicity test: NCA-Gulf | Sample | Sediment | | | | N |

Citations U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p
Description Results of toxicity tests conducted with sediment collected in National Coastal Assessment-Gulf 2000.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SRVPCCON | Toxicity, sediment, Ampelisca abdita, survival | % | Settleable | Calculated | Mean | | | | ASTM E-1367-90 | TOX-NCA |
| | Acceptable Range | 0.00000 - 110.00000 % | | | | | | | | |
| SRVPC_SG | Toxicity, sediment, Ampelisca abdita, significant | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|---|----------|--------|-----------|--------------|---------|
| GROUP3NE | Sed. toxicity test:NCA-NE00-01 | Sample | Sediment | | | | N |
| | Citations | U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuaries, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p | | | | | |
| | Description | Results of toxicity tests conducted with sediment collected in National Coastal Assessment-Northeast 2000-01. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SRVPCCON | Toxicity, sediment, Ampelisca abdita, survival | % | Settleable | Calculated | Mean | | | | TOX_TEST-NCA | TOX-NCA |
| SRVPC_SG | Toxicity, sediment, Ampelisca abdita, significant | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|--|------------|--------|-----------|--------------|---------|
| GROUP4CA | Tissue chemistry: CA | Sample | Biological | Tissue | | | N |
| | Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | |
| | Description | Results of organic and inorganic analyses conducted with tissue from fish and invertebrates collected in California during EMAP-West 1999. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Actual | | Wet | | | GFAA | EPA3051 |
| AL | Aluminum | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALDRIN | Aldrin | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| ALPHACHL | Chlordane, cis | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| AS | Arsenic | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| CD | Cadmium | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| CR | Chromium | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| CU | Copper | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| ENDRIN | Endrin | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| FE | Iron | ug/g | Total | Actual | | Wet | | | FAA | EPA3051 |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| HEXACHL | Hexachlorobenzene | ng/g | Total | Actual | | Wet | | | GCMS | MASE |
| HG | Mercury | ug/g | Total | Actual | | Wet | | | FIMS | EPA3051 |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| MIREX | Mirex | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| MN | Manganese | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| NI | Nickel | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| OPDDD | DDD, o,p'- | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| OPDDE | DDE, o,p'- | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| OPDDT | DDT, o,p'- | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PB | Lead | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB110 | Pcb-110 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB187 | Pcb-187 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB28 | PCB-028 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB66 | PCB-066 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PPDDE | DDE ***retired*** (use DDE, p,p'-) | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| PPDDT | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| SE | Selenium | ug/g | Total | Actual | | Wet | | | HAA | MGNO3 |
| SN | Tin | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | Wet | | | GCMS | MASE |

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|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ZN | Zinc | ug/g | Total | Actual | | Wet | | | ICPMS | EPA3051 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|------------|--------|-----------|--------------|---------|
| GROUP4NE | Tissue chemistry:NCA-NE2000 | Sample | Biological | Tissue | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Results of organic and inorganic analyses conducted with tissue from fish collected in National Coastal Assessment-Northeast 2000-01. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ABHC | Hexachlorocyclohexane | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| ACENTHE | Acenaphthene | ng/g | Total | Calculated | | Wet | | | | |
| ACENTHY | Acenaphthylene | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| AG | Silver | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| AL | Aluminum | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| ALDRIN | Aldrin | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| ANTHRA | Anthracene | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| AS | Arsenic | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HNO3/HCL |
| BBHC | Hexachlorocyclohexane | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BENANTH | Benzo[a]anthracene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BENEPY | Benzo(e)pyrene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| BIPHENYL | Biphenyl | ng/g | Total | Calculated | | Wet | | | | |
| CD | Cadmium | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HNO3/HCL |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHRYSENE | Chrysene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| CHRYSENE2 | Chrysenes C1-C4 | ng/g | Total | Calculated | | Wet | | | GCMS | ORG-NCA |
| CISCHL | Chlordane, cis | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| CISNONA | Nonachlor, cis- | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| CR | Chromium | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| CU | Copper | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| DBHC | Hexachlorocyclohexane | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| DIBENTP | Dibenzothiophene | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Calculated | | Wet | | | | |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| ENDOSULF | Endosulfan | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| ENDRIN | Endrin | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| ENDRINA | Endrin Aldehyde | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| ENDRINK | Endrin ketone | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| FE | Iron | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| FLUORANT | Fluoranthene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| FLUORANT2 | Fluoranthenes, C1-C4 | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| FLUORENE | Fluorene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| FLUORENE2 | Fluorenes, C1-C3 | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| GBHC | Hexachlorocyclohexane | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| HEXACHL | Hexachlorobenzene | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| HG | Mercury | ug/g | Total | Calculated | | Wet | | | CVAA-NCA | HG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| METH | Methoxychlor | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| MIREX | Mirex | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| MN | Manganese | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| NAPH | Naphthalene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | |
| NI | Nickel | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| OPDDD | DDD, o,p'- | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| OPDDE | DDE, o,p'- | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| OPDDT | DDT,o,p'- | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| OXYCHL | Oxychlordan | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PB | Lead | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB187 | Pcb-187 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB28 | PCB-028 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB66 | PCB-066 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PHENANTH | Phenanthrene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PPDDE | DDE ***retired*** (use DDE, p,p') | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PPDDT | DDT ***retired*** (use DDT, p,p') | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| PYRENE | Pyrene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| SB | Antimony | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HNO3/HCL |
| SE | Selenium | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HNO3/HCL |
| SN | Tin | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HNO3/HCL |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | Wet | | | GC/ECD(NCA) | ORG-NCA |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Calculated | | Wet | | | GC/MS(NCA) | ORG-NCA |
| ZN | Zinc | ug/g | Total | Calculated | | Wet | | | ICP-AES(NCA) | HF/HNO3 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--|----------------|------------|--------|-----------|--------------|---------|
| GROUP4OR | Tissue chemistry: OR | Sample | Biological | Tissue | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |

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Description Results of organic and inorganic analyses conducted with tissue from fish and invertebrates collected in Oregon during EMAP-West 1999.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | Wet | | | GFAA | EPA3051 |
| AL | Aluminum | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| ALDRIN | Aldrin | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| ALPHACHL | Chlordane, cis | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| AS | Arsenic | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| CD | Cadmium | ug/g | Total | Calculated | | Wet | | | GFAA | EPA3051 |
| CR | Chromium | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| CU | Copper | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| ENDRIN | Endrin | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| FE | Iron | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| HEXACHL | Hexachlorobenzene | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| HG | Mercury | ug/g | Total | Calculated | | Wet | | | CVAA | V-EPA245.5 |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| MIREX | Mirex | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| NI | Nickel | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| OPDDD | DDD, o,p'- | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| OPDDE | DDE, o,p'- | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| OPDDT | DDT,o,p'- | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PB | Lead | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB110 | Pcb-110 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB110/7 | PCB-077/110 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB187 | Pcb-187 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB28 | PCB-028 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB66 | PCB-066 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PPDDE | DDE ***retired*** (use DDE, p,p') | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| PPDDT | DDT ***retired*** (use DDT, p,p') | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| SE | Selenium | ug/g | Total | Calculated | | Wet | | | HAA | EPA3051 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SN | Tin | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | Wet | | | GCECD | SOXHLET |
| ZN | Zinc | ug/g | Total | Calculated | | Wet | | | ICPAES | EPA3051 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|------------|--------|-----------|--------------|---------|
| GROUP4WA | Tissue chemistry: WA | Sample | Biological | Tissue | | | N |

Description Results of organic and inorganic analyses conducted with tissue from fish and invertebrates collected in Washington during EMAP-West 1999.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |
| AL | Aluminum | ug/g | Total | Calculated | | Wet | | | EPA200.7 | EPA3052/3050B |
| ALDRIN | Aldrin | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| ALPHACHL | Chlordane, cis | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| AS | Arsenic | ug/g | Total | Calculated | | Wet | | | SW7060 | EPA3051 |
| CD | Cadmium | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |
| CR | Chromium | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |
| CU | Copper | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| ENDRIN | Endrin | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| FE | Iron | ug/g | Total | Calculated | | Wet | | | EPA200.7 | EPA3051 |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HEXACHL | Hexachlorobenzene | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| HG | Mercury | ug/g | Total | Calculated | | Wet | | | EPA245.5 | EPA245.5 |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| MIREX | Mirex | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| NI | Nickel | ug/g | Total | Calculated | | Wet | | | SW6010 | EPA3051 |
| OPDDD | DDD, o,p'- | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| OPDDE | DDE, o,p'- | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| OPDDT | DDT,o,p'- | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PB | Lead | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB110 | Pcb-110 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB187 | Pcb-187 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB28 | PCB-028 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB66 | PCB-066 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PPDDE | DDE ***retired*** (use DDE, p,p') | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| PPDDT | DDT ***retired*** (use DDT, p,p') | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| SE | Selenium | ug/g | Total | Calculated | | Wet | | | SW7740 | EPA3051 |
| SN | Tin | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | Wet | | | SW80818082 | SOXHLET |
| ZN | Zinc | ug/g | Total | Calculated | | Wet | | | EPA200.8 | EPA3051 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|----------|--------|-----------|--------------|---------|
| GROUP6CA | Sed Chem-inorganic: CA | Sample | Sediment | | | | N |
| Citations | U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuaries, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p | | | | | | |
| Description | Results of inorganic analyses conducted with sediment collected in California during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ppm | Total | Actual | | | | | GFAA | EPA3051 |
| AL | Aluminum | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| AS | Arsenic | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| CD | Cadmium | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| CR | Chromium | ppm | Total | Actual | | | | | ICPMS | EPA3051 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CU | Copper | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| FE | Iron | ppm | Total | Actual | | | | | FAA | EPA3051 |
| HG | Mercury | ppm | Total | Actual | | | | | FIMS | EPA3051 |
| MN | Manganese | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| NI | Nickel | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| PB | Lead | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| SB | Antimony | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| SE | Selenium | ppm | Total | Actual | | | | | HAA | MGNO3 |
| SN | Tin | ppm | Total | Actual | | | | | ICPMS | EPA3051 |
| ZN | Zinc | ppm | Total | Actual | | | | | ICPMS | EPA3051 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP6G1 | Schem-inorg:NCA-Gulf AL/FL/TX | Sample | Sediment | | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Results of inorganic analyses conducted with sediment collected in Alabama, Texas and Florida during National Coastal Assessment-Gulf 2000. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| AL | Aluminum | ug/g | Total | Calculated | | | | | FAAS: NCA-GULF | MET-NCA |
| AS | Arsenic | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| CD | Cadmium | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| CR | Chromium | ug/g | Total | Calculated | | | | | FAAS: NCA-GULF | MET-NCA |
| CU | Copper | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| FE | Iron | ug/g | Total | Calculated | | | | | FAAS: NCA- | MET-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | | | | | | | | | GULF | |
| HG | Mercury | ug/g | Total | Calculated | | | | | CVAA-NCA | MET-NCA |
| MN | Manganese | ug/g | Total | Calculated | | | | | FAAS: NCA-GULF | MET-NCA |
| NI | Nickel | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| PB | Lead | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| SB | Antimony | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| SE | Selenium | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| SN | Tin | ug/g | Total | Calculated | | | | | GFAA-HF | MET-NCA |
| ZN | Zinc | ug/g | Total | Calculated | | | | | FAAS: NCA-GULF | MET-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP6G2 | Sed chem-inorganic:NCA-Gulf MS | Sample | Sediment | | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Results of inorganic analyses conducted with sediment collected in Mississippi during National Coastal Assessment-Gulf 2000. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| AL | Aluminum | mg/l | Total | Calculated | | | | | ICP-ES-HNO3 | |
| AS | Arsenic | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| CD | Cadmium | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| CR | Chromium | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| CU | Copper | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| HG | Mercury | ug/g | Total | Calculated | | | | | CVAA-NCA | MET-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MN | Manganese | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| NI | Nickel | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| PB | Lead | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| SB | Antimony | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| SE | Selenium | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| SN | Tin | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |
| ZN | Zinc | ug/g | Total | Calculated | | | | | ICP-ES-HNO3 | MET-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP6G3 | Sed Chem-inorganic:NCA-Gulf LA | Sample | Sediment | | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Results of inorganic analyses conducted with sediment collected in Louisiana during National Coastal Assessment-Gulf 2000. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| AS | Arsenic | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| CD | Cadmium | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| CR | Chromium | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| CU | Copper | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| HG | Mercury | ug/g | Total | Calculated | | | | | CVAA-NCA | MET-NCA |
| MN | Manganese | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| NI | Nickel | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| PB | Lead | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| SB | Antimony | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| SE | Selenium | ug/g | Total | Calculated | | | | | ICP-ES-HG | MET-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SN | Tin | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |
| ZN | Zinc | ug/g | Total | Calculated | | | | | ICP-MS-HF | MET-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP6NE | Sed Chem-inorganic:NCA-NE2000 | Sample | Sediment | | | | N |
| Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | | |
| Description | Results of inorganic analyses conducted with sediment collected in National Coastal Assessment-Northeast 2000-01. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | | | | GFAA-NCA | HF/HNO3 |
| AL | Aluminum | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| AS | Arsenic | ug/g | Total | Calculated | | | | | GFAA-NCA | HNO3/HCL |
| CD | Cadmium | ug/g | Total | Calculated | | | | | GFAA-NCA | HNO3/HCL |
| CR | Chromium | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| CU | Copper | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| FE | Iron | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| HG | Mercury | ug/g | Total | Calculated | | | | | CVAA-NCA | HG-NCA |
| MN | Manganese | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| NI | Nickel | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| PB | Lead | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |
| SB | Antimony | ug/g | Total | Calculated | | | | | GFAA-NCA | HNO3/HCL |
| SE | Selenium | ug/g | Total | Calculated | | | | | HGAF-NCA | HNO3/HCL |
| SN | Tin | ug/g | Total | Calculated | | | | | GFAA-NCA | HNO3/HCL |
| ZN | Zinc | ug/g | Total | Calculated | | | | | ICP-AES(NCA) | HF/HNO3 |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|--|----------|--------|-----------|--------------|---------|
| GROUP6OR | Sed Chem-inorganic: OR | Sample | Sediment | | | | N |
| Citations | | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | |
| Description | | Results of inorganic analyses conducted with sediment collected in Oregon during EMAP-West 1999. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ppm | Total | Calculated | | | | | GFAA | EPA3052 |
| AL | Aluminum | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| AS | Arsenic | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| CD | Cadmium | ppm | Total | Calculated | | | | | GFAA | EPA3052 |
| CR | Chromium | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| CU | Copper | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| FE | Iron | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| HG | Mercury | ppm | Total | Calculated | | | | | CVAA | V-EPA245.5 |
| MN | Manganese | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| NI | Nickel | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| PB | Lead | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| SB | Antimony | ppm | Total | Calculated | | | | | GFAA | EPA3052 |
| SE | Selenium | ppm | Total | Calculated | | | | | HAA | EPA3052 |
| SN | Tin | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |
| ZN | Zinc | ppm | Total | Calculated | | | | | ICPAES | EPA3052 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------|--|----------|--------|-----------|--------------|---------|
| GROUP6V3 | Sed Chem-Inorganic VA93 | Sample | Sediment | | | | N |
| Description | | Results of inorganic analyses conducted with sediment collected in EMAP's Virginian Province 1993. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Actual | | | | | GFAA-VP | HF/HNO3 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AL | Aluminum | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| AS | Arsenic | ug/g | Total | Actual | | | | | GFAA-VP | HNO3/HCL |
| CD | Cadmium | ug/g | Total | Actual | | | | | GFAA-VP | HNO3/HCL |
| CR | Chromium | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| CU | Copper | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| DBT | Dibutyltin | ng/g | Total | Actual | | | | | HRGC/FP | |
| FE | Iron | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| HG | Mercury | ug/g | Total | Actual | | | | | CVAA-VP | |
| MBT | Monobutyltin | ng/g | Total | Actual | | | | | HRGC/FP | |
| MN | Manganese | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| NI | Nickel | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| PB | Lead | ug/g | Total | Actual | | | | | ICP-AES(VP) | HF/HNO3 |
| SB | Antimony | ug/g | Total | Actual | | | | | GFAA-VP | HNO3/HCL |
| SE | Selenium | ug/g | Total | Actual | | | | | GFAA-VP | HNO3/HCL |
| SN | Tin | ug/g | Total | Actual | | | | | GFAA-VP | HNO3/HCL |
| TBT | Tributyltin | ng/g | Total | Actual | | | | | HRGC/FP | |
| ZN | Zinc | ug/g | Total | Actual | | | | | ICP-AES(VP) | SE(VP) |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP6WA | Sed Chem-inorganic: WA | Sample | Sediment | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | Results of inorganic analyses conducted with sediment collected in Washington during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Calculated | | | | | EPA200.8 | EPA3052/3050B |
| AL | Aluminum | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ug/g | Total | Calculated | | | | | EPA206.2 | EPA3052/3050B |
| CD | Cadmium | ug/g | Total | Calculated | | | | | EPA200.8 | EPA3052/3050B |
| CR | Chromium | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |
| CU | Copper | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |
| FE | Iron | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |
| HG | Mercury | ug/g | Total | Calculated | | | | | EPA245.5 | EPA245.5 |
| MN | Manganese | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |
| NI | Nickel | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |
| PB | Lead | ug/g | Total | Calculated | | | | | EPA200.8 | EPA3052/3050B |
| SB | Antimony | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |
| SE | Selenium | ug/g | Total | Calculated | | | | | EPA270.2 | EPA3052/3050B |
| SN | Tin | ug/g | Total | Calculated | | | | | EPA200.8 | EPA3052/3050B |
| ZN | Zinc | ug/g | Total | Calculated | | | | | SW6010 | EPA3052/3050B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP7CA | Sed Chem-organic: CA | Sample | Sediment | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | Results of organic analyses conducted with sediment collected in California during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 6CLBNZ | Hexachlorobenzene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ACENTHE | Acenaphthene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ACENTHY | Acenaphthylene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ALDRIN | Aldrin | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ALPHACHL | Chlordane, cis | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ANTHRA | Anthracene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENANTH | Benzo[a]anthracene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| BIPHENYL | Biphenyl | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| CHRYSENE | Chrysene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DDD_24 | DDD, o,p'- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DDD_44 | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DDE_24 | DDE, o,p'- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DDE_44 | DDE ***retired*** (use DDE, p,p'-) | ng/g | Total | Calculated | | Dry | | | SW8081 | MASE |
| DDT_24 | DDT,o,p'- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DDT_44 | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DIBENTP | Dibenzothiophene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ENDRIN | Endrin | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| FLUORANT | Fluoranthene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| FLUORENE | Fluorene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| MIREX | Mirex | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| NAPH | Naphthalene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB101/90 | PCB-090/101 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB110 | Pcb-110 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB11077 | PCB-077/110 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB153/132 | Pcb-132/153 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB170/190 | Pcb-170/190 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB187 | Pcb-187 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | Dry | | | SW8081 | MASE |
| PCB195/208 | Pcb-195/208 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | Dry | | | SW8081 | ASE |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB28 | PCB-028 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB66 | PCB-066 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PCB8/5 | PCB-005/008 | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| PHENANTH | Phenanthrene | ng/g | Total | Calculated | | Dry | | | NOTREC | NOTREC |
| PYRENE | Pyrene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Calculated | | Dry | | | GCMS | MASE |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| GROUP7GU | Sed chem organic: NCA-Gulf | Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACENTHE | Acenaphthene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| ACENTHY | Acenaphthylene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| ALDRIN | Aldrin | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| ALPHABHC | BHC-alpha | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| ALPHACHL | Chlordane, cis | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| ANTHRA | Anthracene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| BENANTH | Benzo[a]anthracene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENEPY | Benzo(e)pyrene | ng/g | Total | Calculated | | | | | GC/MS-SIM | |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| BETABHC | BHC-beta | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| BIPHENYL | Biphenyl | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| CHRYSENE | Chrysene | ng/g | Total | Calculated | | | | | GC/MS-SIM | |
| CISNONA | Nonachlor, cis- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| DELTABHC | BHC-delta | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| DIBENTP | Dibenzothiophene | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| ENDOSUL1 | Endosulfan, alpha- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDOSUL2 | Endosulfan, beta- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDOSULF | Endosulfan | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDRIN | Endrin | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| FLUORANT | Fluoranthene | ng/g | Total | Calculated | | | | | GC/MS-SIM | |
| FLUORENE | Fluorene | ng/g | Total | Calculated | | | | | GC/MS-SIM | |
| GAMMACHL | Chlordane, gamma | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| HEXACHL | Hexachlorobenzene | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| MIREX | Mirex | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| NAPH | Naphthalene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| OPDDD | DDD, o,p'- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| OPDDE | DDE, o,p'- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| OPDDT | DDT,o,p'- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| OXYCHL | Oxychlorane | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB110A | Pcb-110 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB187A | Pcb-182/187 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB28 | PCB-028 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB66 | PCB-066 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PHENANTH | Phenanthrene | ng/g | Total | Calculated | | | | | GC/MS-SIM | |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PPDDE | DDE ***retired*** (use DDE, p,p') | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PPDDT | DDT ***retired*** (use DDT, p,p') | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PYRENE | Pyrene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Calculated | | | | | GC/MS-SIM | ORG-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP7NE | Sed chem-organic:NCA-NE2000 | Sample | Sediment | | | | N |
| Citations | C.J. Strobel, 2000, Coastal 2000 - Northeast component: field operations manual, USEPA NHEERL, Atlantic Ecology Division, Narragansett, RI, 68 p | | | | | | |
| Description | Results of organic analyses conducted with sediment collected in National Coastal Assessment-Northeast 2000-01. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ABHC | Hexachlorocyclohexane | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ACENTHE | Acenaphthene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| ACENTHY | Acenaphthylene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| ALDRIN | Aldrin | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ANTHRA | Anthracene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| BBHC | Hexachlorocyclohexane | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENANTH | Benzo[a]anthracene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| BENEPY | Benzo(e)pyrene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| BIPHENYL | Biphenyl | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| CHRYSENE | Chrysene | ng/g | Total | Actual | | Dry | | | GC/MS(NCA) | ORG-NCA |
| CHRYSENE2 | Chrysenes C1-C4 | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| CISCHL | Chlordane, cis | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| CISNONA | Nonachlor, cis- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| DBHC | Hexachlorocyclohexane | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| DIBENTP | Dibenzothiophene | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| DIELDRIN | Dieldrin | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDOSULF | Endosulfan | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDRIN | Endrin | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDRIN_A | Endrin Aldehyde | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| ENDRIN_K | Endrin ketone | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| FLUORANT | Fluoranthene | ng/g | Total | Calculated | | Dry | | | GC/MS(NCA) | ORG-NCA |
| FLUORANT2 | Fluoranthenes, C1-C4 | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| FLUORENE | Fluorene | ng/g | Total | Actual | | Dry | | | GC/MS(NCA) | ORG-NCA |
| FLUORENE2 | Fluorenes, C1-C3 | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| GBHC | Hexachlorocyclohexane | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HEPTACHL | Heptachlor | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| HEXACHL | Hexachlorobenzene | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| METH | Methoxychlor | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| MIREX | Mirex | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| NAPH | Naphthalene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| OPDDD | DDD, o,p'- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| OPDDE | DDE, o,p'- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| OPDDT | DDT,o,p'- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| OXYCHL | Oxychlordanes | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB101 | Pcb-101 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB105 | Pcb-105 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB110 | Pcb-110 | ng/g | Total | Calculated | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB118 | Pcb-118 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB126 | Pcb-126 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB128 | Pcb-128 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB138 | Pcb-138 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB153 | Pcb-153 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB170 | Pcb-170 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB18 | PCB-018 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB180 | Pcb-180 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB187 | Pcb-187 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB195 | Pcb-195 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB206 | Pcb-206 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB209 | Pcb-209 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB28 | PCB-028 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB44 | PCB-044 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB52 | PCB-052 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB66 | PCB-066 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB77 | PCB- 077 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PCB8 | PCB-008 | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PHENANTH | Phenanthrene | ng/g | Total | Actual | | Dry | | | GC/MS(NCA) | ORG-NCA |
| PHENANTH2 | Phenanthrenes, C1-C4 | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PPDDE | DDE ***retired*** (use DDE, p,p') | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PPDDT | DDT ***retired*** (use DDT, p,p') | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| PYRENE | Pyrene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| TOXAPHEN | Toxaphene | ng/g | Total | Actual | | | | | GC/ECD(NCA) | ORG-NCA |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Actual | | | | | GC/MS(NCA) | ORG-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP7OR | Sed Chem-organic: OR | Sample | Sediment | | | | N |
| Citations | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | | |
| Description | Results of organic analyses conducted with sediment collected in Oregon during EMAP-West 1999. | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 6CLBNZ | Hexachlorobenzene | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| ACENTHE | Acenaphthene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| ACENTHY | Acenaphthylene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| ALDRIN | Aldrin | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| ALPHACHL | Chlordane, cis | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| ANTHRA | Anthracene | ng/g | Total | Calculated | | Dry | | | GCMS | ASE |
| BENANTH | Benzo[a]anthracene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Calculated | | Dry | | | GCMS | ASE |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| BIPHENYL | Biphenyl | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| CHRYSENE | Chrysene | ng/g | Total | Calculated | | Dry | | | GC/MS | SOXHLET |
| DDD_24 | DDD, o,p'- | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| DDD_44 | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| DDE_24 | DDE, o,p'- | ng/g | Total | Calculated | | | | | GCECD | SOXHLET |
| DDE_44 | DDE ***retired*** (use DDE, p,p') | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| DDT_24 | DDT, o,p'- | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| DDT_44 | DDT ***retired*** (use DDT, p,p') | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| DIBENTP | Dibenzothiophene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| DIELDRIN | Dieldrin | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENDRIN | Endrin | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| FLUORANT | Fluoranthene | ng/g | Total | Calculated | | Dry | | | GC/MS | SOXHLET |
| FLUORENE | Fluorene | ng/g | Total | Calculated | | Dry | | | GC/MS | SOXHLET |
| HEPTACHL | Heptachlor | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| MIREX | Mirex | ng/g | Total | Calculated | | Dry | | | GCECD | ASE |
| NAPH | Naphthalene | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB101 | Pcb-101 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB105 | Pcb-105 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB110 | Pcb-110 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB11077 | PCB-077/110 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB118 | Pcb-118 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB126 | Pcb-126 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB128 | Pcb-128 | ng/g | Total | Calculated | | Dry | | | GCECD | ASE |
| PCB138 | Pcb-138 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB153 | Pcb-153 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB170 | Pcb-170 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB18 | PCB-018 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB180 | Pcb-180 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB187 | Pcb-187 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB195 | Pcb-195 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB206 | Pcb-206 | ng/g | Total | Calculated | | Dry | | | GCECD | ASE |
| PCB209 | Pcb-209 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB28 | PCB-028 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB44 | PCB-044 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB52 | PCB-052 | ng/g | Total | Calculated | | Dry | | | GCECD | ASE |
| PCB66 | PCB-066 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB77 | PCB- 077 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PCB8 | PCB-008 | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| PYRENE | Pyrene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| TOXAPHEN | Toxaphene | ng/g | Total | Calculated | | Dry | | | GCECD | SOXHLET |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Calculated | | Dry | | | GCMS | SOXHLET |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|----------|--------|-----------|--------------|---------|
| GROUP7V3 | Sed Chem-organic:VA93 | Sample | Sediment | | | | N |

Citations C. Strobel, 1996, EMAP-Estuarines 1993 Virginian Province Sediment Chemistry Metadata, U.S. Environmental Protection Agency, 15 p
Description Results of organic analyses conducted with sediment collected in EMAP's Virginian Province 1993.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACENTHE | Acenaphthene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| ACENTHY | Acenaphthylene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| ALDRIN | Aldrin | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| ANTHRA | Anthracene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| BENANTH | Benzo[a]anthracene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| BENEPY | Benzo(e)pyrene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BENZOFL | Benzo[bk]fluoranthene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| BIPHENYL | Biphenyl | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| CHRYSENE | Chrysene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| CISCHL | Chlordane, cis | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| DIELDRIN | Dieldrin | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| ENDOSULF | Endosulfan | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| ENDRIN | Endrin | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| ENDRINA | Endrin Aldehyde | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| ENDRINK | Endrin ketone | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| FLUORANT | Fluoranthene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| FLUORENE | Fluorene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| HEPTACHL | Heptachlor | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| HEXACHL | Hexachlorobenzene | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| MIREX | Mirex | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| NAPH | Naphthalene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| OPDDD | DDD, o,p'- | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| OPDDE | DDE, o,p'- | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| OPDDT | DDT,o,p'- | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB101 | Pcb-101 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB105 | Pcb-105 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB118 | Pcb-118 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB128 | Pcb-128 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB138 | Pcb-138 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB153 | Pcb-153 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB170 | Pcb-170 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB18 | PCB-018 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB180 | Pcb-180 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB187 | Pcb-187 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB195 | Pcb-195 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB206 | Pcb-206 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB209 | Pcb-209 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB28 | PCB-028 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB44 | PCB-044 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB52 | PCB-052 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB66 | PCB-066 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PCB8 | PCB-008 | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PERYLENE | Perylene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| PHENANTH | Phenanthrene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| PPDDD | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PPDDE | DDE ***retired*** (use DDE, p,p'-) | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| PPDDT | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PYRENE | Pyrene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Actual | | | | | GC/ECD(VP) | SE(VP) |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Actual | | | | | GC/MS | SE(VP) |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP7WA | Sed Chem-organic: WA | Sample | Sediment | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | Results of organic analyses conducted with sediment collected in Washington during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 6CLBNZ | Hexachlorobenzene | ng/g | Total | Actual | | | | | GCECD | |
| ACENTHE | Acenaphthene | ng/g | Total | Actual | | | | | GCMS | MASE |
| ACENTHY | Acenaphthylene | ng/g | Total | Actual | | | | | GCMS | MASE |
| ALDRIN | Aldrin | ng/g | Total | Actual | | | | | GCMS | MASE |
| ALPHACHL | Chlordane, cis | ng/g | Total | Actual | | | | | GCMS | MASE |
| ANTHRA | Anthracene | ng/g | Total | Actual | | | | | GCMS | MASE |
| BENANTH | Benzo[a]anthracene | ng/g | Total | Actual | | | | | GCMS | MASE |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Actual | | | | | GCMS | MASE |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Actual | | | | | GCMS | MASE |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Actual | | | | | GCMS | MASE |
| BENZOP | Benzo[g,h,i]perylene | ng/g | Total | Actual | | | | | GCMS | MASE |
| BIPHENYL | Biphenyl | ng/g | Total | Actual | | | | | GCMS | MASE |
| CHRYSENE | Chrysene | ng/g | Total | Actual | | Dry | | | GCMS | MASE |
| DDD_24 | DDD, o,p'- | ng/g | Total | Actual | | | | | GCMS | MASE |
| DDD_44 | DDD ***retired*** (use DDD, p,p') | ng/g | Total | Actual | | | | | | MASE |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DDE_24 | DDE, o,p'- | ng/g | Total | Actual | | | | | | |
| DDE_44 | DDE ***retired*** (use DDE, p,p'-) | ng/g | Total | Actual | | | | | | |
| DDT_24 | DDT,o,p'- | ng/g | Total | Actual | | | | | GCMS | MASE |
| DDT_44 | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Actual | | | | | GCMS | MASE |
| DIBENTP | Dibenzothiophene | ng/g | Total | Actual | | | | | GCMS | SOXHLET |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Actual | | | | | GCMS | MASE |
| DIELDRIN | Dieldrin | ng/g | Total | Actual | | | | | | |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Actual | | | | | GCMS | MASE |
| ENDOSUI | Endosulfan, alpha- | ng/g | Total | Actual | | | | | GCMS | MASE |
| ENDOSUII | Endosulfan, beta- | ng/g | Total | Actual | | | | | | MASE |
| ENDRIN | Endrin | ng/g | Total | Actual | | | | | GCMS | MASE |
| ENDSUSFT | Endosulfan Sulfate | ng/g | Total | Actual | | | | | GCMS | MASE |
| FLUORANT | Fluoranthene | ng/g | Total | Actual | | | | | GCMS | MASE |
| FLUORENE | Fluorene | ng/g | Total | Actual | | | | | GCMS | MASE |
| HEPTACHL | Heptachlor | ng/g | Total | Actual | | | | | GCMS | MASE |
| HEPTAEPO | Heptachlor epoxide | ng/g | Total | Actual | | | | | | |
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Actual | | | | | GCMS | MASE |
| LINDANE | BHC-gamma (Lindane) | ng/g | Total | Actual | | | | | GCMS | MASE |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Actual | | | | | GCMS | |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Actual | | | | | GCMS | MASE |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Actual | | | | | GCMS | MASE |
| MIREX | Mirex | ng/g | Total | Actual | | | | | GCMS | MASE |
| NAPH | Naphthalene | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB101 | Pcb-101 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB105 | Pcb-105 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB110 | Pcb-110 | ng/g | Total | Actual | | | | | GCMS | MASE |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB118 | Pcb-118 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB126 | Pcb-126 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB128 | Pcb-128 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB138 | Pcb-138 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB153 | Pcb-153 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB170 | Pcb-170 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB18 | PCB-018 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB180 | Pcb-180 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB187 | Pcb-187 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB195 | Pcb-195 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB206 | Pcb-206 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB209 | Pcb-209 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB28 | PCB-028 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB44 | PCB-044 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB52 | PCB-052 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB66 | PCB-066 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB77 | PCB- 077 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB77110 | PCB-077/110 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PCB8 | PCB-008 | ng/g | Total | Actual | | | | | GCMS | MASE |
| PHENANTH | Phenanthrene | ng/g | Total | Calculated | | | | | SW8270 | ASE |
| PYRENE | Pyrene | ng/g | Total | Actual | | | | | GCMS | MASE |
| TNONCHL | Nonachlor, trans- | ng/g | Total | Actual | | | | | GCMS | MASE |
| TOXAPHEN | Toxaphene | ng/g | Total | Actual | | | | | GCECD | SOXHLET |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Actual | | | | | GCMS | MASE |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|----------|--------|-----------|--------------|---------|
| GROUP8CA | Sediment-physical: CA | Sample | Sediment | | | | N |

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Citations Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p
Description Results of sediment grain analyses conducted with sediment collected in California during EMAP-West 1999.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SICL | Substrate - silt, fine | % | | Actual | | Dry | | | WSA | NR |
| TOC | Carbon, Total Organic (Toc) | % | Total | Actual | | | | | MARPCN IV | SE |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------------------|--|----------|--------|-----------|--------------|---------|
| GROUP8GU | Sediment-physical: NCA-GU | Sample | Sediment | | | | N |
| Citations | | U.S. Environmental Protection Agency, 2001, EMAP-National Coastal Assessment Quality Assurance Project Plan 2001-2004, USEPA, NHEERL Gulf Ecology Division, Gulf Breeze, FL, 202 p | | | | | |
| Description | | Results of sediment grain analyses conducted with sediment collected in National Coastal Assessment-Gulf 2000. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SICL | Substrate - silt/clay mix | % | | Calculated | | | | | EPA 9060/1986 | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| TOC | Carbon, Total Organic (Toc) | % | Total | Calculated | | | | | ASTM D-422 | |
| | Acceptable Range | 0.00000 - 18.00000 % | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---------------------------|---|----------|--------|-----------|--------------|---------|
| GROUP8NE | Sediment-physical: NCA-NE | Sample | Sediment | | | | N |
| Citations | | U.S. EPA, 1995, EMAP: Laboratory Methods Manual-Estuaries, Volume 1: Biological and Physical Analyses, Environmental Protection Agency, Office of Research and Development, Narragansett, RI, 128 p | | | | | |
| Description | | Results of sediment grain analyses conducted with sediment collected in National Coastal Assessment-Northeast 2000-01. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MOISTURE | Moisture content | % | Non-filterable | Calculated | | | | | MOIS-NCA | |
| SAND | Substrate - sand | % | | Calculated | | | | | GRN-NCA | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SILTCLAY | Substrate - silt/clay mix | % | | Calculated | | | | | GRN-NCA | |
| TOC | Carbon, Total Organic (Toc) | % | Total | Calculated | | | | | TOC-NCA | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP8OR | Sediment-physical: OR | Sample | Sediment | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | Results of sediment grain analyses conducted with sediment collected in Oregon during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SICL | Substrate - silt, fine | % | | Actual | | Dry | | | GRV | EMAP-E |
| TOC | Carbon, Total Organic (Toc) | ppm | Total | Actual | | | | | EPA-415.1 | EMAP-E |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| GROUP8WA | Sediment-physical: WA | Sample | Sediment | | | | N |
| Citations | Tom Heitmuller, USGS, 2001, Quality Assurance Project Plan; EMAP-West-Coastal Monitoring, USEPA: EMAP, Gulf Breeze Laboratory, 152 p | | | | | | |
| Description | Results of sediment grain analyses conducted with sediment collected in Washington during EMAP-West 1999. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SICL | Substrate - silt, fine | % | | Actual | | Dry | | | PSEP86 | PSEP86 |
| TOC | Carbon, Total Organic (Toc) | % | Total | Actual | | | | | PSEP-TOC | NR |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|----------|--------|-----------|--------------|---------|
| NE00NYOR | Organic for NY: NE00 | Sample | Sediment | | | | N |
| Description | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ACENTHE | Acenaphthene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| ACENTHY | Acenaphthylene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| ANTHRA | Anthracene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| BENANTH | Benzo[a]anthracene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| BENAPY | Benzo[a]pyrene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| BENEPY | Benzo(e)pyrene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| BENZOBFL | Benzo[b]fluoranthene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| BENZOKFL | Benzo[k]fluoranthene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| BIPHENYL | Biphenyl | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| CHRYSENE | Chrysene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| DIBENZ | Dibenzo[a,h]anthracene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| DIMETH | Dimethylnaphthalene, 2,6- | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| FLUORANT | Fluoranthene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| FLUORENE | Fluorene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| INDENO | Indeno[1,2,3-cd]pyrene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| MENAP1 | Methylnaphthalene, 1- | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| MENAP2 | Methylnaphthalene, 2- | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| MEPHEN1 | Methylphenanthrene, 1- | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| NAPH | Naphthalene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| PHENANTH | Phenanthrene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| PYRENE | Pyrene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |
| TRIMETH | Trimethylnaphthalene | ng/g | Total | Calculated | | | | | GC/MS(NCA) | ORG-NCA |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| V93BSPEC | VA PROV 1993 Benthic infauna | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | R. Valente and C. Stobel, 1993, EMAP-Estuarines Virginian Province: Quality Assurance Project Plan for 1993, U.S. Environmental Protection Agency, Office of Research and Development, 136 p | | | | | | |

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Description Mean counts of benthic infauna collected in three grabs (generally) for EMAP-Estuarines Virginian Province 1993.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| ACANMILL | Acanthohaustorius millsi | | count | Calculated | Mean | | | |
| ACANSIMI | Acanthohaustorius similis | | count | Calculated | Mean | | | |
| ACANTHOH | Acanthohaustorius | | count | Calculated | Mean | | | |
| ACROCFAM | Acrocirridae | | count | Calculated | Mean | | | |
| ACTECANA | Acteocina canaliculata | | count | Calculated | Mean | | | |
| ACTEPUNC | Acteon punctostriatus | | count | Calculated | Mean | | | |
| AEGILONG | Aeginina longicornis | | count | Calculated | Mean | | | |
| AGLACIRC | Aglaophamus circinata | | count | Calculated | Mean | | | |
| AGLAVERR | Aglaophamus verrilli | | count | Calculated | Mean | | | |
| ALIGELEV | Aligena elevata | | count | Calculated | Mean | | | |
| AMASCAPE | Amastigos | | count | Calculated | Mean | | | |
| AMNILIMO | Amnicola limosus | | count | Calculated | Mean | | | |
| AMPEABDI | Ampelisca abdita | | count | Calculated | Mean | | | |
| AMPEABVA | Ampelisca | | count | Calculated | Mean | | | |
| AMPEAGAS | Ampelisca agassizi | | count | Calculated | Mean | | | |
| AMPEVADO | Ampelisca vadorum | | count | Calculated | Mean | | | |
| AMPEVERR | Ampelisca verrilli | | count | Calculated | Mean | | | |
| AMPHARCT | Ampharete arctica | | count | Calculated | Mean | | | |
| AMPHARTD | Ampharetidae | | count | Calculated | Mean | | | |
| AMPHORNA | Amphitrite ornata | | count | Calculated | Mean | | | |
| AMPILONG | Ampithoe longimana | | count | Calculated | Mean | | | |
| AMPITHOE | Ampithoe | | count | Calculated | Mean | | | |
| AMPITHOI | Ampithoidae | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| AMPIVALI | Ampithoe valida | | count | Calculated | Mean | | | |
| ANACLAFR | Anachis lafresnayi | | count | Calculated | Mean | | | |
| ANACOBES | Anachis obesa | | count | Calculated | Mean | | | |
| ANADOVAL | Anadara ovalis | | count | Calculated | Mean | | | |
| ANADTRAN | Anadara transversa | | count | Calculated | Mean | | | |
| ANCIDEPR | Ancinus depressus | | count | Calculated | Mean | | | |
| ANCIHART | Ancistrosyllis hartmanae | | count | Calculated | Mean | | | |
| ANCIJONE | Ancistrosyllis jonesi | | count | Calculated | Mean | | | |
| ANOBGRAC | Anobothrus gracilis | | count | Calculated | | | | |
| ANODONTA | Anodonta | | count | Calculated | Mean | | | |
| ANOMIA | Anomia | sp.1 | count | Calculated | Mean | | | |
| ANOMSIMP | Anomia simplex | | count | Calculated | Mean | | | |
| ANOPPETI | Anoplodactylus petiolatus | | count | Calculated | Mean | | | |
| ANTHOZOA | Anthozoa | | count | Calculated | Mean | | | |
| APHELOCH | Aphelochaeta | | count | Calculated | Mean | | | |
| APHESPEA | Aphelochaeta | sp.1 | count | Calculated | Mean | | | |
| APOPPYGM | Apoprionospio pygmaea | | count | Calculated | Mean | | | |
| ARABELLI | Arabellidae | | count | Calculated | Mean | | | |
| ARABIRMU | Arabella iricolor | | count | Calculated | Mean | | | |
| ARCIDFAM | Arcidae | | count | Calculated | Mean | | | |
| ARCTISLA | Arctica islandica | | count | Calculated | Mean | | | |
| ARICCATH | Aricidea catherinae | | count | Calculated | Mean | | | |
| ARICWASS | Aricidea wassi | | count | Calculated | Mean | | | |
| ASABOCUL | Asabellides oculata | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| ASCIDIAC | Ascidacea | | count | Calculated | Mean | | | |
| ASTARTE | Astarte | | count | Calculated | Mean | | | |
| ASTAUNDA | Astarte undata | | count | Calculated | Mean | | | |
| ASTERIAS | Asterias | | count | Calculated | Mean | | | |
| ASTEROID | Asteroidea | | count | Calculated | Mean | | | |
| ASTHHEMP | Asthenothaerus hemphilli | | count | Calculated | Mean | | | |
| ASTYLUNA | Astyris lunata | | count | Calculated | Mean | | | |
| ASYCELON | Asychis elongata | | count | Calculated | Mean | | | |
| AULOLIMN | Aulodrilus limnobius | | count | Calculated | Mean | | | |
| AULOPAUC | Aulodrilus paucichaeta | | count | Calculated | Mean | | | |
| AULOPIGU | Aulodrilus pigueti | | count | Calculated | Mean | | | |
| AXARUS | Axarus | | count | Calculated | Mean | | | |
| BALACREN | Balanus crenatus | | count | Calculated | Mean | | | |
| BALAIMPR | Balanus improvisus | | count | Calculated | Mean | | | |
| BALANUS | Balanus | | count | Calculated | Mean | | | |
| BALAVENU | Balanus venustus | | count | Calculated | Mean | | | |
| BARNTRUN | Barnea truncata | | count | Calculated | Mean | | | |
| BATECATH | Batea catharinensis | | count | Calculated | Mean | | | |
| BATHPARK | Bathyporeia parkeri | | count | Calculated | Mean | | | |
| BHAWHETE | Bhawania heteroseta | | count | Calculated | Mean | | | |
| BITHTENT | Bithynia tentaculata | | count | Calculated | Mean | | | |
| BIVALUS | Bivalvia | | count | Calculated | Mean | | | |
| BOCLHAMA | Boccardiella hamata | | count | Calculated | Mean | | | |
| BODOSPEA | Bodotria | | count | Calculated | Mean | | | |

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|----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| BOONBISU | Boonea bisuturalis | | count | Calculated | Mean | | | |
| BOONSEMI | Boonea seminuda | | count | Calculated | Mean | | | |
| BRACHYCE | Brachycercus | | count | Calculated | Mean | | | |
| BRADVILL | Brada villosa | | count | Calculated | Mean | | | |
| BRANCARI | Branchiostoma caribaeum | | count | Calculated | Mean | | | |
| BRANCLAV | Brania clavata | | count | Calculated | Mean | | | |
| BRANSOWE | Branchiura sowerbyi | | count | Calculated | Mean | | | |
| BRANWELL | Brania wellfleetensis | | count | Calculated | Mean | | | |
| BRATUNID | Bratislavia unidentata | | count | Calculated | Mean | | | |
| BUCCINID | Buccinidae | | count | Calculated | Mean | | | |
| BUSHELEG | Bushia elegans | | count | Calculated | Mean | | | |
| BYBLSERR | Byblis serrata | | count | Calculated | Mean | | | |
| CABIINCE | Cabira incerta | | count | Calculated | Mean | | | |
| CAECJOHN | Caecum johnsoni | | count | Calculated | Mean | | | |
| CAECREGU | Caecum regulare | | count | Calculated | Mean | | | |
| CAECUM | Caecum | | count | Calculated | Mean | | | |
| CAENIS | Caenis | | count | Calculated | Mean | | | |
| CALLBREV | Callipallene brevis | | count | Calculated | Mean | | | |
| CALLSAPI | Callinectes sapidus | | count | Calculated | Mean | | | |
| CALLSETI | Callianassa setimanus | | count | Calculated | Mean | | | |
| CALYPSPA | Calypttraeidae | | count | Calculated | Mean | | | |
| CANCIRRO | Cancer irroratus | | count | Calculated | Mean | | | |
| CAPITELD | Capitellidae | | count | Calculated | Mean | | | |
| CAPITELL | Capitella | | count | Calculated | Mean | | | |

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|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| CAPRELLA | Caprella | | count | Calculated | Mean | | | |
| CAPRELLI | Caprellidae | | count | Calculated | Mean | | | |
| CAPRPENA | Caprella penantis | | count | Calculated | Mean | | | |
| CARAHOBS | Carazziella hobsonae | | count | Calculated | Mean | | | |
| CARIDEA | Caridea | | count | Calculated | Mean | | | |
| CAUDAREN | Caudina arenata | | count | Calculated | Mean | | | |
| CAULSPEB | Caulleriella | | count | Calculated | Mean | | | |
| CERAPINN | Cerastoderma pinnulatum | | count | Calculated | Mean | | | |
| CERATFAM | Ceratopogonidae | | count | Calculated | Mean | | | |
| CERATUBU | Cerapus tubularis | | count | Calculated | Mean | | | |
| CERIAMER | Ceriantheopsis americana | | count | Calculated | Mean | | | |
| CHAEVARI | Chaetopterus variopedatus | | count | Calculated | Mean | | | |
| CHAOPUNC | Chaoborus punctipennis | | count | Calculated | Mean | | | |
| CHIRALMY | Chiridotea almyra | | count | Calculated | Mean | | | |
| CHIRIDOT | Chiridotea | | count | Calculated | Mean | | | |
| CHIRONOM | Chironomus | | count | Calculated | Mean | | | |
| CHONINFU | Chone infundibuliformis | | count | Calculated | Mean | | | |
| CHRNMDAE | Chironomidae | | count | Calculated | Mean | | | |
| CIRRATUL | Cirratulidae | | count | Calculated | Mean | | | |
| CIRRGRAN | Cirriformia grandis | | count | Calculated | Mean | | | |
| CIRROSPA | Cirrophorus | sp.1 | count | Calculated | Mean | | | |
| CIRROSPB | Cirrophorus | sp.2 | count | Calculated | Mean | | | |
| CIRRSPEA | Cirrophorus | sp.1 | count | Calculated | Mean | | | |
| CLYMTORQ | Clymenella torquata | | count | Calculated | Mean | | | |

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|----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| COELOTAN | Coelotanypus | | count | Calculated | Mean | | | |
| COLLEMBO | Collembola | | count | Calculated | Mean | | | |
| CORBFLUM | Corbicula fluminea | | count | Calculated | Mean | | | |
| COROACHE | Corophium acherusicum | | count | Calculated | Mean | | | |
| COROACUT | Corophium acutum | | count | Calculated | Mean | | | |
| COROBONN | Corophium bonnellii | | count | Calculated | Mean | | | |
| COROCRAS | Corophium crassicorne | | count | Calculated | Mean | | | |
| COROINSI | Corophium insidiosum | | count | Calculated | Mean | | | |
| COROLACU | Corophium lacustre | | count | Calculated | Mean | | | |
| COROPHIU | Corophium | | count | Calculated | Mean | | | |
| COROTUBE | Corophium tuberculatum | | count | Calculated | Mean | | | |
| COSSSOYE | Cossura soyeri | | count | Calculated | Mean | | | |
| CRANSEPT | Crangon septemspinosa | | count | Calculated | Mean | | | |
| CRATPILA | Cratena pilata | | count | Calculated | Mean | | | |
| CRENELLA | Crenella | | count | Calculated | Mean | | | |
| CRENGLAN | Crenella glandula | | count | Calculated | Mean | | | |
| CREPCONV | Crepidula convexa | | count | Calculated | Mean | | | |
| CREPFORN | Crepidula fornicata | | count | Calculated | Mean | | | |
| CREPIDUL | Crepidula | | count | Calculated | Mean | | | |
| CREPPLAN | Crepidula plana | | count | Calculated | Mean | | | |
| CRYPFULV | Cryptochironomus fulvus | | count | Calculated | Mean | | | |
| CRYPTOCH | Cryptochironomus | | count | Calculated | Mean | | | |
| CYATBURB | Cyathura burbancki | | count | Calculated | Mean | | | |
| CYATPOLI | Cyathura polita | | count | Calculated | Mean | | | |

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|----------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| CYCLBORE | Cyclocardia borealis | | count | Calculated | Mean | | | |
| CYCLVARI | Cyclaspis varians | | count | Calculated | Mean | | | |
| CYLIBIDE | Cylichnella bidentata | | count | Calculated | Mean | | | |
| CYMACOMP | Cymadusa compta | | count | Calculated | Mean | | | |
| DEMOMICR | Demonax microphthalmus | | count | Calculated | Mean | | | |
| DERODIGI | Dero digitata | | count | Calculated | Mean | | | |
| DIASQUAD | Diastylis quadrispinosa | | count | Calculated | Mean | | | |
| DIASSCUL | Diastylis sculpta | | count | Calculated | Mean | | | |
| DICROTEN | Dicrotendipes | | count | Calculated | Mean | | | |
| DIOPCUPR | Diopatra cuprea | | count | Calculated | Mean | | | |
| DISPUNCI | Dispia uncinata | | count | Calculated | Mean | | | |
| DORIOBSC | Doridella obscura | | count | Calculated | Mean | | | |
| DORVSPEA | Dorvilleidae | | count | Calculated | Mean | | | |
| DRILLONG | Drilonereis longa | | count | Calculated | Mean | | | |
| DUBIRAPH | Dubiraphia | | count | Calculated | Mean | | | |
| DYOPMONA | Dyopedos monacanthus | | count | Calculated | Mean | | | |
| ECHINOID | Echinoidea | | count | Calculated | Mean | | | |
| EDOTTRIL | Edotea triloba | | count | Calculated | Mean | | | |
| ELASLAEV | Elasmopus laevis | | count | Calculated | Mean | | | |
| ENCHYTRA | Enchytraeidae | | count | Calculated | Mean | | | |
| ENDOCHIR | Endochironomus | | count | Calculated | Mean | | | |
| ENSIDIRE | Ensis directus | | count | Calculated | Mean | | | |
| EOBRSPIN | Eobrolgus spinosus | | count | Calculated | Mean | | | |
| EPHEMFAM | Ephemeraeidae | | count | Calculated | Mean | | | |

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|-----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| EPITHUMP | Epitonium humphreysii | | count | Calculated | Mean | | | |
| EPITONIU | Epitonium | | count | Calculated | Mean | | | |
| EPITRUPI | Epitonium rupicola | | count | Calculated | Mean | | | |
| ERICBRAS | Erichthonius brasiliensis | | count | Calculated | Mean | | | |
| ERICFASC | Erichthonius fasciatus | | count | Calculated | Mean | | | |
| ERICFILI | Erichsonella filiformis | | count | Calculated | Mean | | | |
| ERICHSON | Erichsonella | | count | Calculated | Mean | | | |
| ERICTHON | Erichthonius | | count | Calculated | Mean | | | |
| ETEOFOLI | Eteone foliosa | | count | Calculated | Mean | | | |
| ETEOHETE | Eteone heteropoda | | count | Calculated | Mean | | | |
| EUCEPRAE | Euceramus praelongus | | count | Calculated | Mean | | | |
| EUCHELEG | Euchone elegans | | count | Calculated | Mean | | | |
| EUCHINCO | Euchone incolor | | count | Calculated | Mean | | | |
| EUDOPUSI | Eudorella pusilla | | count | Calculated | Mean | | | |
| EUMISANG | Eumida sanguinea | | count | Calculated | Mean | | | |
| EUNICIDA | Eunicidae | | count | Calculated | Mean | | | |
| EUPLCAUD | Eupleura caudata | | count | Calculated | Mean | | | |
| EXOGLDISP | Exogone dispar | | count | Calculated | Mean | | | |
| EXOGHEBE | Exogone hebes | | count | Calculated | Mean | | | |
| EXOGONE | Exogone | | count | Calculated | Mean | | | |
| EXOGERU | Exogone verugera | | count | Calculated | Mean | | | |
| FARGBART | Fargoa bartschi | | count | Calculated | Mean | | | |
| FARGBUSH | Fargoa bushiana | | count | Calculated | Mean | | | |
| FARGOA | Fargoa | | count | Calculated | Mean | | | |

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|----------|----------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| FERRISSI | Ferrissia | | count | Calculated | Mean | | | |
| FLABELLI | Flabelligeridae | | count | Calculated | Mean | | | |
| GAMMANNU | Gammarus annulatus | | count | Calculated | Mean | | | |
| GAMMARUS | Gammarus | | count | Calculated | Mean | | | |
| GAMMDAIB | Gammarus daiberi | | count | Calculated | Mean | | | |
| GAMMFASC | Gammarus fasciatus | | count | Calculated | Mean | | | |
| GASTROPO | Gastropoda | | count | Calculated | Mean | | | |
| GEMMGEMM | Gemma gemma | | count | Calculated | Mean | | | |
| GEUKDEMI | Geukensia demissa | | count | Calculated | Mean | | | |
| GLYCAMER | Glycera americana | | count | Calculated | Mean | | | |
| GLYCDIBR | Glycera dibranchiata | | count | Calculated | Mean | | | |
| GLYCERA | Glycera | | count | Calculated | Mean | | | |
| GLYCSOLI | Glycinde solitaria | | count | Calculated | Mean | | | |
| GLYPTOTE | Glyptotendipes | | count | Calculated | Mean | | | |
| GONIADID | Goniadidae | | count | Calculated | Mean | | | |
| GONIGRAC | Goniadella gracilis | | count | Calculated | Mean | | | |
| GONIVIRG | Goniobasis virginica | | count | Calculated | Mean | | | |
| GYPTVITT | Gyptis vittata | | count | Calculated | Mean | | | |
| HAMISOLI | Haminoea solitaria | | count | Calculated | Mean | | | |
| HARMEXTE | Harmothoe extenuata | | count | Calculated | Mean | | | |
| HARMIMBR | Harmothoe imbricata | | count | Calculated | Mean | | | |
| HARMOTHO | Harmothoe | | count | Calculated | Mean | | | |
| HARNISCH | Harnischia | | count | Calculated | Mean | | | |
| HARPPROP | Harpinia propinqua | | count | Calculated | Mean | | | |

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|----------|-----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| HARTMOOR | Hartmania moorei | | count | Calculated | Mean | | | |
| HAVESCAB | Havelockia scabra | | count | Calculated | Mean | | | |
| HESIONID | Hesionidae | | count | Calculated | Mean | | | |
| HETEFILI | Heteromastus filiformis | | count | Calculated | Mean | | | |
| HETEFORM | Heteromysis formosa | | count | Calculated | Mean | | | |
| HEXAANGU | Hexapanopeus angustifrons | | count | Calculated | Mean | | | |
| HEXAGENI | Hexagenia | | count | Calculated | Mean | | | |
| HIRUDINE | Hirudinea | | count | Calculated | Mean | | | |
| HOBSFLO | Hobsonia florida | | count | Calculated | Mean | | | |
| HOLOTHUR | Holothuroidea | | count | Calculated | Mean | | | |
| HUTCMACR | Hutchinsoniella macracantha | | count | Calculated | Mean | | | |
| HYDRDIAN | Hydroides dianthus | | count | Calculated | Mean | | | |
| HYDROBII | Hydrobiidae | | count | Calculated | Mean | | | |
| HYDROFAM | Hydroptilidae | | count | Calculated | Mean | | | |
| HYDROPTI | Hydroptila | | count | Calculated | Mean | | | |
| HYDRPROT | Hydroides protulicola | | count | Calculated | Mean | | | |
| HYDRTRUN | Hydrobia truncata | | count | Calculated | Mean | | | |
| HYPELONG | Eteone longa | | count | Calculated | Mean | | | |
| ILYOTEMP | Ilyodrilus templetoni | | count | Calculated | Mean | | | |
| ISCHANGU | Ischyrocerus anguipes | | count | Calculated | Mean | | | |
| ISOCFREY | Isochaetides freyi | | count | Calculated | Mean | | | |
| JASSMARM | Jassa marmorata | | count | Calculated | Mean | | | |
| KURTATRO | Kurtziella atrostyla | | count | Calculated | Mean | | | |
| LACUVINC | Lacuna vincta | | count | Calculated | Mean | | | |

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|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| LAEVFUSC | Laevapex fuscus | | count | Calculated | Mean | | | |
| LEITOSCO | Leitoscoloplos | | count | Calculated | Mean | | | |
| LEITROBU | Leitoscoloplos robustus | | count | Calculated | Mean | | | |
| LEMBOS | Lembos | | count | Calculated | Mean | | | |
| LEMBSMIT | Lembos smithi | | count | Calculated | Mean | | | |
| LEPICOMM | Lepidametria commensalis | | count | Calculated | Mean | | | |
| LEPIDONO | Lepidonotus | | count | Calculated | Mean | | | |
| LEPIDYTI | Lepidactylus dytiscus | | count | Calculated | Mean | | | |
| LEPISUBL | Lepidonotus sublevis | | count | Calculated | Mean | | | |
| LEPIVARI | Lepidonotus variabilis | | count | Calculated | Mean | | | |
| LEPTDUBI | Leptocheilia dubia | | count | Calculated | Mean | | | |
| LEPTPING | Leptocheirus pinguis | | count | Calculated | Mean | | | |
| LEPTPLUM | Leptocheirus plumulosus | | count | Calculated | Mean | | | |
| LEPTTENU | Leptosynapta tenuis | | count | Calculated | Mean | | | |
| LEUCAMER | Leucon americanus | | count | Calculated | Mean | | | |
| LEVIGRAC | Levinsenia gracilis | | count | Calculated | Mean | | | |
| LIBIEMAR | Libinia emarginata | | count | Calculated | Mean | | | |
| LIBINIA | Libinia | | count | Calculated | Mean | | | |
| LIMNCERV | Limnodrilus cervix | | count | Calculated | Mean | | | |
| LIMNCLAP | Limnodrilus claparedianus | | count | Calculated | Mean | | | |
| LIMNHOFF | Limnodrilus hoffmeisteri | | count | Calculated | Mean | | | |
| LIMNUDEK | Limnodrilus udekemianus | | count | Calculated | Mean | | | |
| LIMUPOLY | Limulus polyphemus | | count | Calculated | Mean | | | |
| LISTBARN | Listriella barnardi | | count | Calculated | Mean | | | |

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|----------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| LISTCLYM | Listriella clymenellae | | count | Calculated | Mean | | | |
| LITTENU | Littoridinops tenuipes | | count | Calculated | Mean | | | |
| LOIMMEDU | Loimia medusa | | count | Calculated | Mean | | | |
| LUCOINCE | Luconacia incerta | | count | Calculated | Mean | | | |
| LUMBACIC | Lumbrineris acicularum | | count | Calculated | Mean | | | |
| LUMBHEBE | Lumbrineris hebes | | count | Calculated | Mean | | | |
| LUMBRIND | Lumbrineridae | | count | Calculated | Mean | | | |
| LUMBTENI | Lumbrineris tenuis | | count | Calculated | Mean | | | |
| LYMNAFAM | Lymnaeidae | | count | Calculated | Mean | | | |
| LYONAREN | Lyonsia arenosa | | count | Calculated | Mean | | | |
| LYONHYAL | Lyonsia hyalina | | count | Calculated | Mean | | | |
| LYONSIA | Lyonsia | | count | Calculated | Mean | | | |
| LYSIALBA | Lysianopsis alba | | count | Calculated | Mean | | | |
| MACOBALT | Macoma balthica | | count | Calculated | Mean | | | |
| MACOMITC | Macoma mitchelli | | count | Calculated | Mean | | | |
| MACOTENT | Macoma tenta | | count | Calculated | Mean | | | |
| MACRZONA | Macroclymene zonalis | | count | Calculated | Mean | | | |
| MACTRFAM | Mactridae | | count | Calculated | Mean | | | |
| MAGELONA | Magelona | | count | Calculated | Mean | | | |
| MAJIDAE | Majidae | | count | Calculated | Mean | | | |
| MALDANID | Maldanidae | | count | Calculated | Mean | | | |
| MANAAEST | Manayunkia aestuarina | | count | Calculated | Mean | | | |
| MAREVIRI | Marenzelleria viridis | | count | Calculated | Mean | | | |
| MARPBELL | Marphysa belli | | count | Calculated | Mean | | | |

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Environmental Monitoring and Assessment Program

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| MEDIAMBI | Mediomastus ambiseta | | count | Calculated | Mean | | | |
| MEDICALI | Mediomastus californiensis | | count | Calculated | Mean | | | |
| MELIMACU | Melinna maculata | | count | Calculated | Mean | | | |
| MELINITI | Melita nitida | | count | Calculated | Mean | | | |
| MERCMERC | Mercenaria mercenaria | | count | Calculated | Mean | | | |
| MICRABER | Microphthalmus aberrans | | count | Calculated | Mean | | | |
| MICRANOM | Microdeutopus anomalus | | count | Calculated | Mean | | | |
| MICRGRYL | Microdeutopus gryllotalpa | | count | Calculated | Mean | | | |
| MICROCHI | Microchironomus | | count | Calculated | Mean | | | |
| MICRODEU | Microdeutopus | | count | Calculated | Mean | | | |
| MICRRANE | Microprotopus raneyi | | count | Calculated | Mean | | | |
| MICRSCZE | Microphthalmus sczelkowi | | count | Calculated | Mean | | | |
| MICRSIMI | Microphthalmus similis | | count | Calculated | Mean | | | |
| MOLGAREN | Molgula arenata | | count | Calculated | Mean | | | |
| MONOSPE1 | Monoculodes | | count | Calculated | Mean | | | |
| MONTDORS | Monticellina dorsobranchialis | | count | Calculated | Mean | | | |
| MULILATE | Mulinia lateralis | | count | Calculated | Mean | | | |
| MUSCNIGE | Musculus niger | | count | Calculated | Mean | | | |
| MUSCTRAN | Musculium transversum | | count | Calculated | Mean | | | |
| MUSCULIU | Musculium | | count | Calculated | Mean | | | |
| MUSCULUS | Musculus | | count | Calculated | Mean | | | |
| MYAAREN | Mya arenaria | | count | Calculated | Mean | | | |
| MYRIOCUL | Myriochele oculata | | count | Calculated | Mean | | | |
| MYSEPLAN | Mysella planulata | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|--------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| MYSIALMY | Mysidopsis almyra | | count | Calculated | Mean | | | |
| MYSIBIGE | Mysidopsis bigelowi | | count | Calculated | Mean | | | |
| MYTIEDUL | Mytilus edulis | | count | Calculated | Mean | | | |
| MYTILEUC | Mytilopsis leucophaeata | | count | Calculated | Mean | | | |
| MYTILIDA | Mytilidae | | count | Calculated | Mean | | | |
| MYXIINFU | Myxicola infundibulum | | count | Calculated | Mean | | | |
| NAISPARD | Nais pardalis | | count | Calculated | Mean | | | |
| NANOCLAD | Nanocladus | | count | Calculated | Mean | | | |
| NASSTRIV | Nassarius trivittatus | | count | Calculated | Mean | | | |
| NASSVIBE | Nassarius vibex | | count | Calculated | Mean | | | |
| NATICIDA | Naticidae | | count | Calculated | Mean | | | |
| NATIPUSI | Natica pusilla | | count | Calculated | Mean | | | |
| NEANAREN | Neanthes arenaceodentata | | count | Calculated | Mean | | | |
| NEANSUCC | Neanthes succinea | | count | Calculated | Mean | | | |
| NEANVIRE | Neanthes virens | | count | Calculated | Mean | | | |
| NEOMAMER | Neomysis americana | | count | Calculated | Mean | | | |
| NEOPSAYI | Neopanope sayi | | count | Calculated | Mean | | | |
| NEPHBUCE | Nephtys bucera | | count | Calculated | Mean | | | |
| NEPHINCI | Nephtys incisa | | count | Calculated | Mean | | | |
| NEPHPICT | Nephtys picta | | count | Calculated | Mean | | | |
| NEPHTYID | Nephtyidae | | count | Calculated | Mean | | | |
| NEPHTYS | Nephtys | | count | Calculated | Mean | | | |
| NEREGRAY | Nereis grayi | | count | Calculated | Mean | | | |
| NEREIDAE | Nereididae | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| NINONIGR | Ninoe nigripes | | count | Calculated | Mean | | | |
| NOTOMAST | Notomastus | | count | Calculated | Mean | | | |
| NOTOSPA | Notomastus | sp.1 | count | Calculated | Mean | | | |
| NOTOSPIN | Notocirrus spiniferus | | count | Calculated | Mean | | | |
| NUCUANNU | Nucula annulata | | count | Calculated | Mean | | | |
| NUCUDELP | Nucula delphinodonta | | count | Calculated | Mean | | | |
| NUCULA | Nucula | | count | Calculated | Mean | | | |
| NUCULANI | Nuculanidae | | count | Calculated | Mean | | | |
| ODOSENGO | Odostomia engonia | | count | Calculated | Mean | | | |
| ODOSTOMI | Odostomia | | count | Calculated | Mean | | | |
| OECETIS | Oecetis | | count | Calculated | Mean | | | |
| OGYRALPH | Ogyrides alphaerostris | | count | Calculated | Mean | | | |
| OLIGOCHA | Oligochaeta | | count | Calculated | Mean | | | |
| ONUPEREM | Onuphis eremita | | count | Calculated | Mean | | | |
| ONUPHIDA | Onuphidae | | count | Calculated | Mean | | | |
| OPHEACUM | Ophelina acuminata | | count | Calculated | Mean | | | |
| OPHELIID | Opheliidae | | count | Calculated | Mean | | | |
| OPHIUROI | Ophiuroidea | | count | Calculated | Mean | | | |
| ORBINIA | Orbinia | | count | Calculated | Mean | | | |
| ORBINIID | Orbiniidae | | count | Calculated | Mean | | | |
| ORBIRISE | Orbinia riseri | | count | Calculated | Mean | | | |
| ORCHMINU | Orchomenella minuta | | count | Calculated | Mean | | | |
| OVALOCEL | Ovalipes ocellatus | | count | Calculated | Mean | | | |
| OWENFUSI | Owenia fusiformis | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| OWENIIDA | Oweniidae | | count | Calculated | Mean | | | |
| OXYUSMIT | Oxyurostylis smithi | | count | Calculated | Mean | | | |
| PAGUANNU | Pagurus annulipes | | count | Calculated | Mean | | | |
| PAGULONG | Pagurus longicarpus | | count | Calculated | Mean | | | |
| PAGURUS | Pagurus | | count | Calculated | Mean | | | |
| PANDGOUL | Pandora gouldiana | | count | Calculated | Mean | | | |
| PANDORA | Pandora | | count | Calculated | Mean | | | |
| PARACAUD | Paracerceis caudata | | count | Calculated | Mean | | | |
| PARACYPR | Parametopella cypris | | count | Calculated | Mean | | | |
| PARADSPB | Paradoneis | | count | Calculated | Mean | | | |
| PARAFULG | Paraonis fulgens | | count | Calculated | Mean | | | |
| PARALAUT | Paralauterborniella | | count | Calculated | Mean | | | |
| PARALONG | Parahaustorius longimerus | | count | Calculated | Mean | | | |
| PARALUTE | Parahesione luteola | | count | Calculated | Mean | | | |
| PARAONID | Paraonidae | | count | Calculated | Mean | | | |
| PARAPINN | Paraprionospio pinnata | | count | Calculated | Mean | | | |
| PARAPYGO | Paraonis pygoenigmatica | | count | Calculated | Mean | | | |
| PARASPEC | Paranaitis speciosa | | count | Calculated | Mean | | | |
| PARATENU | Paracaprella tenuis | | count | Calculated | Mean | | | |
| PAROCAEC | Parougia caeca | | count | Calculated | Mean | | | |
| PARVMULT | Parvilucina multilineata | | count | Calculated | Mean | | | |
| PECTGOUL | Pectinaria gouldi | | count | Calculated | Mean | | | |
| PECTINAR | Pectinaria | | count | Calculated | Mean | | | |
| PETRPVOL | Petricola pholadiformis | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| PHERAFFI | Pherusa affinis | | count | Calculated | Mean | | | |
| PHERUSA | Pherusa | | count | Calculated | Mean | | | |
| PHOLMINU | Pholoe minuta | | count | Calculated | Mean | | | |
| PHORONIS | Phoronis | | count | Calculated | Mean | | | |
| PHOTDENT | Photis dentata | | count | Calculated | Mean | | | |
| PHOTPOLL | Photis pollex | | count | Calculated | Mean | | | |
| PHOTPUGN | Photis pugnator | | count | Calculated | Mean | | | |
| PHOXHOLB | Phoxocephalus holbolli | | count | Calculated | Mean | | | |
| PHYLAREN | Phyllodoce arenae | | count | Calculated | Mean | | | |
| PHYLDCDE | Phyllodocidae | | count | Calculated | Mean | | | |
| PHYLLODO | Phyllodoce | | count | Calculated | Mean | | | |
| PHYLMUCO | Phyllodoce mucosa | | count | Calculated | Mean | | | |
| PHYSELLA | Physella | | count | Calculated | Mean | | | |
| PILARGID | Pilargidae | | count | Calculated | Mean | | | |
| PINNCHAE | Pinnixa chaetoptera | | count | Calculated | Mean | | | |
| PINNIXA | Pinnixa | | count | Calculated | Mean | | | |
| PINNSAYA | Pinnixa sayana | | count | Calculated | Mean | | | |
| PISIDIUM | Pisidium | | count | Calculated | Mean | | | |
| PISIREMO | Pisione remota | | count | Calculated | Mean | | | |
| PISTCRIS | Pista cristata | | count | Calculated | Mean | | | |
| PITAMORR | Pitar morrhuanus | | count | Calculated | Mean | | | |
| PLEUINER | Pleurogonium inerme | | count | Calculated | Mean | | | |
| PLEUSPIN | Pleurogonium spinosissimum | | count | Calculated | Mean | | | |
| PODALEVI | Podarkeopsis levifuscina | | count | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| PODAOBSC | Podarke obscura | | count | Calculated | Mean | | | |
| POLIHERO | Polinices heros | | count | Calculated | Mean | | | |
| POLYAGGR | Polydora aggregata | | count | Calculated | Mean | | | |
| POLYCAUL | Polydora caulleryi | | count | Calculated | Mean | | | |
| POLYCHAE | Polychaeta | | count | Calculated | Mean | | | |
| POLYCIRR | Polycirrus | | count | Calculated | Mean | | | |
| POLYCORN | Polydora cornuta | | count | Calculated | Mean | | | |
| POLYDORA | Polydora | | count | Calculated | Mean | | | |
| POLYGIBB | Polyonyx gibbesi | | count | Calculated | Mean | | | |
| POLYGORD | Polygordius | | count | Calculated | Mean | | | |
| POLYNOID | Polynoidae | | count | Calculated | Mean | | | |
| POLYPEDI | Polypedilum | | count | Calculated | Mean | | | |
| POLYPLAC | Polyplacophora | | count | Calculated | Mean | | | |
| POLYQUAD | Polydora quadrilobata | | count | Calculated | Mean | | | |
| POLYSOCI | Polydora socialis | | count | Calculated | Mean | | | |
| POLYWEBS | Polydora websteri | | count | Calculated | Mean | | | |
| PORTUNID | Portunidae | | count | Calculated | Mean | | | |
| PRIOHETE | Prionospio heterobranchia | | count | Calculated | Mean | | | |
| PRIONOSP | Prionospio | | count | Calculated | Mean | | | |
| PRIOPERK | Prionospio perkinsi | | count | Calculated | Mean | | | |
| PRIOSTEE | Prionospio steenstrupi | | count | Calculated | Mean | | | |
| PROBEZZI | Probezzia | | count | Calculated | Mean | | | |
| PROCCORN | Proceraea cornuta | | count | Calculated | Mean | | | |
| PROCHOLO | Procladius | sp.1 | count | Actual | Mean | | | |

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|----------|--------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| PROCLADI | Procladius | sp.2 | count | Calculated | Mean | | | |
| PROTDEIC | Protohaustorius deichmannae | | count | Calculated | Mean | | | |
| PROTWIGL | Protohaustorius wigleyi | | count | Calculated | Mean | | | |
| PSEUBORE | Pseudohaustorius borealis | | count | Calculated | Mean | | | |
| PSEUCARO | Pseudohaustorius caroliniensis | | count | Calculated | Mean | | | |
| PSEUOBLI | Pseudunciola obliquua | | count | Calculated | Mean | | | |
| PSEUPAUC | Pseudeurythoe paucibranchiata | | count | Calculated | Mean | | | |
| PSEURENI | Pseudopotamilla reniformis | | count | Calculated | Mean | | | |
| PTILTENU | Ptilanthura tenuis | | count | Calculated | Mean | | | |
| PYCNOGON | Pycnogonida | | count | Calculated | Mean | | | |
| PYGOELEG | Pygospio elegans | | count | Calculated | Mean | | | |
| PYRAMIDE | Pyramidellidae | | count | Calculated | Mean | | | |
| QUISMULT | Quistradriulus multisetosus | | count | Calculated | Mean | | | |
| RANGCUNE | Rangia cuneata | | count | Calculated | Mean | | | |
| RHEOTANY | Rheotanytarsus | | count | Calculated | Mean | | | |
| RHEPEPIS | Rhepoxynius epistomus | | count | Calculated | Mean | | | |
| RHEPHUDS | Rhepoxynius hudsoni | | count | Calculated | Mean | | | |
| RHITHARR | Rhithropanopeus harrisii | | count | Calculated | Mean | | | |
| SABELLID | Sabellidae | | count | Calculated | Mean | | | |
| SABEVULG | Sabellaria vulgaris | | count | Calculated | Mean | | | |
| SACCKOWA | Saccoglossus kowalevskii | | count | Calculated | Mean | | | |
| SAYECHES | Sayella chesapeakea | | count | Calculated | Mean | | | |
| SCALINFL | Scalibregma inflatum | | count | Calculated | Mean | | | |
| SCAPHFAM | Scaphandridae | | count | Calculated | Mean | | | |

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|----------|---------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| SCOLBOUS | Scoelepis bousfieldi | | count | Calculated | Mean | | | |
| SCOLCAPE | Scoloplos capensis | | count | Calculated | Mean | | | |
| SCOLELEP | Scoelepis | | count | Calculated | Mean | | | |
| SCOLRUBR | Scoloplos rubra | | count | Calculated | Mean | | | |
| SCOLSQUA | Scoelepis squamata | | count | Calculated | Mean | | | |
| SCOLTEXA | Scoelepis texana | | count | Calculated | Mean | | | |
| SIGAAREN | Sigalion arenicola | | count | Calculated | Mean | | | |
| SIGABASS | Sigambra bassi | | count | Calculated | Mean | | | |
| SIGALION | Sigalionidae | | count | Calculated | Mean | | | |
| SIGATENT | Sigambra tentaculata | | count | Calculated | Mean | | | |
| SIPUNCUL | Sipuncula | | count | Calculated | Mean | | | |
| SOLECFAM | Solecurtidae | | count | Calculated | Mean | | | |
| SOLEVELU | Solemya velum | | count | Calculated | Mean | | | |
| SPECJOSI | Specaria josinae | | count | Calculated | Mean | | | |
| SPHATAYL | Sphaerosyllis taylori | | count | Calculated | Mean | | | |
| SPIOBOMB | Spiophanes bombyx | | count | Calculated | Mean | | | |
| SPIOCOST | Spiochaetopterus costarum | | count | Calculated | Mean | | | |
| SPIOFILI | Spio filicornis | | count | Calculated | Mean | | | |
| SPIOLIMI | Spio limicola | | count | Calculated | Mean | | | |
| SPIONIDA | Spionidae | | count | Actual | Mean | | | |
| SPIOSETO | Spio setosa | | count | Calculated | Mean | | | |
| SPIRORBI | Spirorbis | | count | Calculated | Mean | | | |
| SPISSOLI | Spisula solidissima | | count | Calculated | Mean | | | |
| SQUIEMPU | Squilla empusa | | count | Calculated | Mean | | | |

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|----------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| STENBOA | Sthenelais boa | | count | Calculated | Mean | | | |
| STENELAI | Sthenelais | | count | Calculated | Mean | | | |
| STENELMI | Stenelmis | | count | Calculated | Mean | | | |
| STENINER | Stenopleustes inermis | | count | Calculated | Mean | | | |
| STENMINU | Stenothoe minuta | | count | Calculated | Mean | | | |
| STENOTHO | Stenothoe | | count | Calculated | Mean | | | |
| STENVALI | Stenothoe valida | | count | Calculated | Mean | | | |
| STEPTRIV | Stephensoniana trivandrana | | count | Calculated | Mean | | | |
| STERSCUT | Sternaspis scutata | | count | Calculated | Mean | | | |
| STHELIMI | Sthenelais limicola | | count | Calculated | Mean | | | |
| STICDEVI | Stictochironomus devinctus | | count | Calculated | Mean | | | |
| STICTOCH | Stictochironomus | | count | Calculated | Mean | | | |
| STREAREN | Streptosyllis arenae | | count | Calculated | Mean | | | |
| STREBENE | Streblospio benedicti | | count | Calculated | Mean | | | |
| STREPETT | Streptosyllis pettiboneae | | count | Calculated | Mean | | | |
| SYLLCONV | Syllides convoluta | | count | Calculated | Mean | | | |
| SYLLIDAE | Syllidae | | count | Calculated | Mean | | | |
| SYNCAMER | Synchelidium americanum | | count | Calculated | Mean | | | |
| TAGEDIVI | Tagelus divisus | | count | Calculated | Mean | | | |
| TAGELUS | Tagelus | | count | Calculated | Mean | | | |
| TAGEPLEB | Tagelus plebeius | | count | Calculated | Mean | | | |
| TANAPSAM | Tanaissus psammophilus | | count | Calculated | Mean | | | |
| TANYORBI | Tanystylum orbiculare | | count | Calculated | Mean | | | |
| TANYPUS | Tanypus | | count | Calculated | Mean | | | |

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|----------|----------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| TANYTARS | Tanytarsus | | count | Calculated | Mean | | | |
| TANYTTRB | Tanytarsini | | count | Calculated | Mean | | | |
| TELLAGIL | Tellina agilis | | count | Calculated | Mean | | | |
| TELLINID | Tellinidae | | count | Calculated | Mean | | | |
| TELMVEJD | Telmatodrilus vej dovskyi | | count | Calculated | Mean | | | |
| TEREBELL | Terebellidae | | count | Calculated | Mean | | | |
| TERESTRO | Terebellides stroemi | | count | Calculated | Mean | | | |
| THALASSI | Thalassinidea | | count | Calculated | Mean | | | |
| THARACUT | Tharyx acutus | | count | Calculated | Mean | | | |
| THARSPA | Tharyx | | count | Calculated | Mean | | | |
| TRAVSPEA | Travisia | | count | Calculated | Mean | | | |
| TROCMULT | Trochochaeta multisetosa | | count | Calculated | Mean | | | |
| TUBIFICO | Tubificoides | | count | Calculated | Mean | | | |
| TUBIFIWI | Tubificidae | | count | Calculated | Mean | | | |
| TUBIFIWO | Tubificidae | sp.2 | count | Calculated | Mean | | | |
| TUBIHETE | Tubificoides heterochaetus | | count | Calculated | Mean | | | |
| TURB?AEQ | Turbonilla aequalis | | count | Calculated | Mean | | | |
| TURBELLA | Turbellaria | | count | Calculated | Mean | | | |
| TURBINTE | Turbonilla interrupta | | count | Calculated | Mean | | | |
| TURBONIL | Turbonilla | | count | Calculated | Mean | | | |
| TURRIFAM | Turridae | | count | Calculated | Mean | | | |
| TYPOALTE | Typosyllis alternata | | count | Calculated | Mean | | | |
| UNCIDISS | Unciola dissimilis | | count | Calculated | Mean | | | |
| UNCIINER | Unciola inermis | | count | Calculated | Mean | | | |

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|----------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| UNCIIRRO | Unciola irrorata | | count | Calculated | Mean | | | |
| UNCIOLA | Unciola | | count | Calculated | Mean | | | |
| UNCISERR | Unciola serrata | | count | Calculated | Mean | | | |
| UNIONIDA | Unionidae | | count | Calculated | Mean | | | |
| UPOGAFFI | Upogebia affinis | | count | Calculated | Mean | | | |
| VALVSINC | Valvata sincera | | count | Calculated | Mean | | | |
| XANTHIDA | Xanthidae | | count | Calculated | Mean | | | |
| YOLDIA | Yoldia | | count | Calculated | Mean | | | |
| YOLDLIMA | Yoldia limatula | | count | Calculated | Mean | | | |

Characteristic Group Details

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EPA_R7

US EPA Region 7

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|--|--|---------|
| AATEST | atest | Sample | Water | | | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | | |

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FLPRMRWS

Peace River Manasota Regional Water Supply Authority (FL)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PR001 | PR FIXED CHEM- EQL | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | 325.2 | |
| COLOR | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| DOC | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 5310-B | |
| IOC | Carbon, Total Inorganic | mg/l | Total | Actual | | | | | 5310-B | |
| IRON | Iron | mg/l | Total | Actual | | | | | 236.1 | |
| N23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| NH3 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | 350.1 | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | NO2 | |
| OP | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.2 | |
| PHEOPH | Pheophytin-a | ug/l | Total | Actual | | | | | PHEOPHYTIN | |
| SI | Silica | mg/l | Dissolved | Actual | | | | | 370.1 | |
| TCOL | Total Coliform | #/100ml | Total | Actual | | | | | TCOL | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TN | Nitrogen ion (N) | mg/l | Total | Actual | | | | | | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TP | Phosphorus | mg/l | Total | Actual | | | | | 365.4 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | I-3860-85 | |
| VSS | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | 160.4 | |

Characteristic Group Details

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FLPRMRWS

Peace River Manasota Regional Water Supply Authority (FL)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------------------|---|---------------------------------|------------------------|---------------|------------------|--------------|----------------|------------|---------------------|----------------------------|
| Group ID PR002 | Group Name PEACE RIVER FIXED SITES - USGS | Field Activity Sample | Medium Water | Intent | Community | | | | Result Group | Habitat N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | I-2030-85 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | CHLOROPHYL L A | |
| CHLB | Chlorophyll-b | mg/cm3 | Total | Actual | | | | | CHLOROPHYL L B | |
| CHLC | Chlorophyll-c | mg/cm3 | Total | Actual | | | | | CHLOROPHYL C | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | I-2057-84 | |
| COLOR | Color, True | PCU | Total | Actual | | | | | I-1250-85 | |
| DOC | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | DOC | |
| IOC | Carbon, Total Inorganic | mg/l | Total | Actual | | | | | O-0004-78 | |
| IR | Iron | mg/l | Total | Actual | | | | | 236.1 | |
| N23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | I-4545-84 | |
| NH3 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | I-4522-85 | |
| OP | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | I-4601-84 | |
| SI | Silica | mg/l | Dissolved | Actual | | | | | I-142-87 | |

Characteristic Group Details

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FLPRMRWS

Peace River Manasota Regional Water Supply Authority (FL)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | I-4552-84 | |
| TN | Nitrogen ion (N) | mg/l | Total | Actual | | | | | 353+351 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TP | Phosphorus | mg/l | Total | Actual | | | | | I-4600-84 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | I-3765-84 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | I-3860-85 | |
| VSS | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | I-3767-85 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PR003 | PEACE RIVER MOVING SITES | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | I-2030-85 | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CHLACORR | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 445 | |
| CHLB | Chlorophyll-b | ug/l | Total | Actual | | | | | 10200-H | |
| CHLC | Chlorophyll-c | ug/l | Total | Actual | | | | | 10200-H | |
| CL | Chloride | mg/l | Dissolved | Actual | | | | | I-2057-84 | |
| COLOR | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| DOC | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | 5310-B | |
| IOC | Carbon, Total Inorganic | mg/l | Total | Actual | | | | | O-0004-78 | |
| IR | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| N23 | Nitrogen, Nitrite (NO2) + Nitrate | mg/l | Total | Actual | | | | | 353.2 | |

Characteristic Group Details

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FLPRMRWS

Peace River Manasota Regional Water Supply Authority (FL)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NH3 | (NO3) as N Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | I-4522-85 | |
| OP | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.3 | |
| SI | Silica | mg/l | Dissolved | Actual | | | | | 370.1 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| TN | Nitrogen ion (N) | mg/l | Total | Actual | | | | | 353+351 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TP | Phosphorus | mg/l | Total | Actual | | | | | I-4600-84 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.2 | |
| TURB | Turbidity | NTU | Total | Actual | | | | | I-3860-85 | |
| VSS | Solids, Volatile | mg/l | Non-filterable | Actual | | | | | 2540-G | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| PRHL1 | PEACE RIVER FIELD MEASUREMENTS | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | | Actual | | | | | | |
| CONDB | Specific conductance | mS/cm | | Actual | | | | | | |
| CONDT | Specific conductance | mS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DOB | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DOT | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| LICOR | Light attenuation coefficient | None | | Calculated | | | | | LICOR | |
| LIGHT10 | Light attenuation, depth at 10% | m | | Actual | | | | | LICOR | |

Characteristic Group Details

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FLPRMRWS

Peace River Manasota Regional Water Supply Authority (FL)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LIGHT50 | Light attenuation, depth at 50% | m | | Actual | | | | | LICOR | |
| ORPB | Oxidation reduction potential (ORP) | volts | | Actual | | | | | | |
| ORPT | Oxidation reduction potential (ORP) | volts | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| PHB | pH | None | | Actual | | | | | | |
| PHT | pH | None | | Actual | | | | | | |
| SAL | Salinity | ppt | | Actual | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TEMPB | Temperature, water | deg C | | Actual | | | | | | |
| TEMPT | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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FORTPECK

Assiniboine & Sioux Tribes Fort Peck Indian Reservation (MT)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| FPTRBP | Fort Peck Tribes RBP | Field Msr/Obs | | | | | Y |

Citations FPTQAPP - Fort Peck Tribes, unknown, Fort Peck Tribes Quality Assurance Project Plan, Fort Peck Tribes, unknown
Description RBP for use in wadeable streams and rivers within the boundaries of the Fort Peck Indian Reservation, northeastern Montana.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RBPRR/GP | RBP: Riffle/Run and Glide/Pool | Field Msr/Obs | | | | | Y |

Citations FPTQAPP - Fort Peck Tribes, unknown, Fort Peck Tribes Quality Assurance Project Plan, Fort Peck Tribes, unknown
Description Combination of RBP_R/R and RBP_G/P

Characteristic Group Details

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FWC-SGMP

Florida Keys NMS - Seagrass Monitoring Program

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---------------|-------------------------------|---|--------|--------|-----------|--------------|---------|
| SGMP | Seagrass Monitoring Project | Field Msr/Obs | | | | | Y |
| Row ID | Characteristic Name | Description | | | | | |
| CGTA | Calcareous Green Abundance | Abundance of total calcareous green algae at sampling site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| CGTD | Calcareous Green Density | Density of calcareous green algae at sample site. Values represented are Braun Blanquet scores. Density = sum of Braun-Blanquet scale values/total number of quadrats. | | | | | |
| CGTF | Calcareous Green Frequency | Frequency of calcareous green algae at sample site. Values are percentages represented between 0 and 1. Frequency = number of occupied quadrats/total number of quadrats | | | | | |
| HDA | Halophila decipiens Abundance | Halophila decipiens abundance at the sample site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| HDD | Halophila decipiens Density | Halophila decipiens density at the sample site. Values represented are Braun Blanquet scores. Density = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| HDF | Halophila decipiens Frequency | Halophila decipiens frequency at the sample site. Values are percentages represented between 0 and 1. Frequency = number of occupied quadrats/total number of quadrats | | | | | |
| HEA | Halo. engelmannii Abundance | Halophila engelmannii abundance at the sample site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| HED | Halo. engelmannii Density | Halophila engelmannii density at the sample site. Values represented are Braun Blanquet scores. Density = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| HEF | Halo. engelmannii Frequency | Halophila engelmannii frequency at the sample site. Values are percentages represented between 0 and 1. Frequency = number of occupied quadrats/total number of quadrats | | | | | |
| HWA | Halodule wrightii Abundance | Halodule wrightii abundance at the sample site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| HWD | Halodule wrightii Density | Halodule wrightii density at the sample site. Values represented are Braun Blanquet scores. Density = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |
| HWF | Halodule wrightii Frequency | Halodule wrightii frequency at the sample site. Values are percentages represented between 0 and 1. Frequency = number of occupied quadrats/total number of quadrats | | | | | |
| RICHNESS | Richness | A summation of seagrass richness for the five species of seagrass at a sample site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats | | | | | |

Characteristic Group Details

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FWC-SGMP

Florida Keys NMS - Seagrass Monitoring Program

| Row ID | Characteristic Name | Description |
|--------|--------------------------------|---|
| SFA | Syring. filiforme Abundance | Syringodium abundance at the sample site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats |
| SFD | Syring. filiforme Density | Syringodium density at the sample site. Values represented are Braun Blanquet scores. Density = sum of Braun-Blanquet scale values/total number of quadrats |
| SFF | Syring. filiforme Frequency | Syringodium frequency at the sample site. Values are percentages represented between 0 and 1. Frequency = number of occupied quadrats/total number of quadrats |
| TTA | Thalassia testudinum Abundance | Thalassia abundance at the sample site. Values represented are Braun Blanquet scores. Abundance = sum of Braun-Blanquet scale values/total number of quadrats |
| TTD | Thalassia testudinum Density | Thalassia density at the sample site. Values represented are Braun Blanquet scores. Density = sum of Braun-Blanquet scale values/total number of quadrats |
| TTF | Thalassia testudinum Frequency | Thalassia frequency at the sample site. Values are percentages represented between 0 and 1. Frequency = number of occupied quadrats/total number of quadrats |

Characteristic Group Details

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FWC-WQMP Florida Keys NMS - Water Quality Monitoring Program

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| WQ_FIELD | WQMP-Field Observations | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| %IO | Light attenuation at measurement depth | % | | Actual | | | | | | |
| %SAT-B | Dissolved oxygen saturation | % | | Actual | | | | | | |
| %SAT-S | Dissolved oxygen saturation | % | | Actual | | | | | | |
| DO-B | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DO-S | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DSIGT | Density | kg/m3 | | Actual | | | | | | |
| KD | Light attenuation coefficient | None | | Actual | | | | | | |
| SAL-B | Salinity | PSS | | Actual | | | | | | |
| SAL-S | Salinity | ppth | | Actual | | | | | | |
| TEMP-B | Temperature, water | deg C | | Actual | | | | | | |
| TEMP-S | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| WQ_LAB | WQMP-Lab Results | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| APA-B | Alkaline phosphatase | umol | | Actual | | | | | | |
| APA-S | Alkaline phosphatase | umol | | Actual | | | | | | |
| CHLA | Chlorophyll a (probe) | ug/l | | Actual | | | | | | |
| DIN-B | Nitrogen, inorganic | umol | Dissolved | Calculated | | | | | | |
| DIN-S | Nitrogen, inorganic | umol | Dissolved | Calculated | | | | | | |
| DIN:TP | Dissolved Inorganic Nitrogen/Total Phosphorus ratio | None | Total | Calculated | | | | | RATIO | |

Characteristic Group Details

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FWC-WQMP

Florida Keys NMS - Water Quality Monitoring Program

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| N:P | Dissolv Inorganic Nitrogen/Soluble Reactive Phosphorus Ratio | None | Total | Calculated | | | | | RATIO | |
| NH4-B | Nitrogen, ammonium (NH4) as NH4 | umol | | Actual | | | | | | |
| NH4-S | Nitrogen, ammonium (NH4) as NH4 | umol | | Actual | | | | | | |
| NO2-B | Nitrogen, Nitrite (NO2) as NO2 | umol | | Actual | | | | | | |
| NO2-S | Nitrogen, Nitrite (NO2) as NO2 | umol | | Actual | | | | | | |
| NO3-B | Nitrogen, Nitrate (NO3) as NO3 | umol | | Calculated | | | | | | |
| NO3-S | Nitrogen, Nitrate (NO3) as NO3 | umol | | Calculated | | | | | | |
| NOX-B | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | umol | | Actual | | | | | | |
| NOX-S | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | umol | | Actual | | | | | | |
| SI-B | Silicate | umol | Total | Actual | | | | | | |
| SI-S | Silicate | umol | Total | Actual | | | | | | |
| SI:DIN | Silicate / Dissolved Inorganic Nitrogen Ratio | None | Total | Calculated | | | | | RATIO | |
| SRP-B | Soluble Reactive Phosphorus (SRP) | umol | Total | Actual | | | | | SRP | |
| SRP-S | Soluble Reactive Phosphorus (SRP) | umol | Total | Actual | | | | | SRP | |
| TN-B | Nitrogen ion (N) | umol | Total | Actual | | | | | | |
| TN-S | Nitrogen ion (N) | umol | Total | Actual | | | | | | |
| TN:TP | Total Nitrogen/Total Phosphorus Ratio (TN:TP) | None | Total | Calculated | | | | | RATIO | |
| TOC-B | Carbon, organic | umol | Total | Actual | | | | | TOC | |
| TOC-S | Carbon, organic | umol | Total | Actual | | | | | TOC | |
| TON-B | Nitrogen, organic | umol | Total | Calculated | | | | | | |

Characteristic Group Details

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FWC-WQMP

Florida Keys NMS - Water Quality Monitoring Program

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TON-S | Nitrogen, organic | umol | Total | Calculated | | | | | | |
| TP-B | Phosphorus | umol | Total | Actual | | | | | | |
| TP-S | Phosphorus | umol | Total | Actual | | | | | | |
| TURB-B | Turbidity | NTU | | Actual | | | | | | |
| TURB-S | Turbidity | NTU | | Actual | | | | | | |

Characteristic Group Details

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FWC/FWRI Fish Wildlife Conservation / Wildlife Research Institute(FL)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-------------|-------------------------|--|--------|--------|-----------|--------------|---------|
| CREMP | Generic Classifications | Field Msr/Obs | | | | | Y |
| Row ID | Characteristic Name | Description | | | | | |
| CORAL_COVER | Stony Coral Cover | This value is a summation of all the stony coral coverage values. | | | | | |
| MACROALGAE | Macroalgae | Values represent percent cover. Macroalgae is a generic classification for some submerged aquatic vegetation. Macroalgae are not plants or animals, but protists. Macroalgae produce spores and are relatively simple and unspecialized. Holdfasts anchor plants to a hard surface and do not possess roots extending below the surface. Macroalgae also use diffusion to extract nutrients from the water. Some species include Caulerpa and Halimeda. | | | | | |
| OTHER_BIOTA | Other Biota | Values represent percent cover. This characteristic refers to anything else that does not fall into the categories of seagrass, macroalgae, or substrate. Other biota can include sea anemones, crabs, and fish. | | | | | |
| SEAGRASS | Seagrass | Values represent percent cover. Seagrass is a generic classification for some submerged aquatic vegetation. Seagrasses have separate sexes; produce flowers, fruits, and seeds; and evolved from terrestrial plants and have tissues that are specialized for certain tasks. Seagrasses also possess roots, leaves, and underground stems called rhizomes that hold plants in place; use roots and rhizomes to extract nutrients from the sediment; use leaves for extracting nutrients from the water; and are categorized as vascular, with a network of xylem and phloem that transport nutrients and dissolved gases throughout the plant. Some species include: Thalassia testudinum, Syringodium filiforme, Halophila engelmannii, Halophila decipiens, and Halodule wrightii. | | | | | |
| SUBSTRATE | Substrate | Values represent percent cover. This classification includes non-biological bottom types. These include sand and crushed coral/shell. | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TEST | CREMP TEST | Sample | Soil | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| MACROALGAE | Substrate - submerged vegetation cover | % Cover | | Calculated | | | | | CREMP | |
| SEAGRASS | Substrate - submerged vegetation cover | % Cover | | Calculated | | | | | | |
| SUBSTRATE | Substrate - sand | % Cover | | Actual | | | | | | |

Characteristic Group Details

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FWC/FWRI

Fish Wildlife Conservation / Wildlife Research Institute(FL)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| TEST2 | CREMP TEST2 | Sample | Biological | Individual | | | N |

Characteristic Group Details

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FWCLOCAL

Florida Fish and Wildlife Conservation Commission (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-001 | Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 2320 | |
| 10 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-B | |
| 11 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | 2580 | |
| 12 | Depth, Secchi Disk Depth (Choice List) | | | | | | | | STATION OBS | |
| 2 | Depth, bottom | m | | Actual | | | | | STATION OBS | |
| 3 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-G | |
| 4 | pH | None | | Actual | | | | | 4500-H | |
| 5 | Depth, Secchi Disk Depth | m | | Actual | | | | | STATION OBS | |
| 6 | Specific conductance | umho/cm | | Actual | | | | 25 Deg C | 2510 | |
| 7 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 8 | General Observation (text) | | | | | | | | | |
| 9 | Specific conductance | umho/cm | | Actual | | | | | 2510 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-002 | Water Chemistry - Biochemical | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Chlorophyll a, corrected for pheophytin | mg/l | | Actual | | | | | 10200-H | |
| 2 | Chlorophyll/Pheophytin ratio | mg/l | | Actual | | | | | 10200-H | |
| 3 | Pheophytin-a | mg/l | | Actual | | | | | 10200-H | |

Characteristic Group Details

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FWCLOCAL

Florida Fish and Wildlife Conservation Commission (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-003 | Water Chemistry - Inorganic | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | 310.1 | |
| 2 | Chloride | mg/l | Total | Actual | | | | | 9212 | |
| 3 | Fluorides | mg/l | Total | Actual | | | | | 4500-F-C | |
| 4 | Hardness, carbonate | mg/l | | Actual | | | | | 2340-B | |
| 5 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | 375.4 | |
| 6 | Tannin and Lignin | mg/l | | Actual | | | | | 5550-B | |
| 7 | Solids, Total | mg/l | | Actual | | | | | 2540-B | |
| 8 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 9 | Turbidity | None | | Actual | | | | | SPEC TURBIDITY | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-004 | Water Chemistry - Total Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Calcium | mg/l | Total | Actual | | | | | 3111-B | |
| 2 | Iron | mg/l | Total | Actual | | | | | 3500-FE(D) | |
| 3 | Magnesium | mg/l | Total | Actual | | | | | 3111-B | |
| 4 | Potassium | mg/l | Total | Actual | | | | | 3111-B | |
| 5 | Sodium | mg/l | Total | Actual | | | | | 3111-B | |

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FWCLOCAL

Florida Fish and Wildlife Conservation Commission (Florida)

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-005 | Water Chemistry - Nutrients | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 419-D | |
| 10 | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 4500-NH3-B,C | 4500-NH3(B) |
| 2 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 4500-NH3-B,C | 4500-NH3(B) |
| 3 | Nitrogen, organic | mg/l | | Actual | | | | | 4500-NORG-B | |
| 4 | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 4500-NOR(B) | |
| 5 | Phosphorus as P | ug/l | | Actual | | | | | 4500-P-D | 4500-P-B(5) |
| 6 | Phosphorus as PO4 | mg/l | | Actual | | | | | 4500-P-D | 4500-P-B(5) |
| 7 | Phosphorus, orthophosphate as P | ug/l | | Actual | | | | | 4500-P-D | 4500-P-B(1) |
| 8 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | 4500-P-D | 4500-P-B(5) |
| 9 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 419-D | |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-006 | Station Weather Observations | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, air | deg C | | Actual | | | | | STATION WEATHER | |
| 2 | Temperature, air | deg F | | Actual | | | | | STATION WEATHER | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BIOACC1 | Bioaccumulation, Priority Poll | Sample | Biological | Tissue | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 201 | Antimony | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 202 | Arsenic | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 203 | Beryllium | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 204 | Cadmium | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 205 | Chromium | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 206 | Copper | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 207 | Lead | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 208 | Mercury | mg/kg | Total | Actual | | Wet | | | CVAA SOLIDS | |
| 209 | Molybdenum | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 210 | Nickel | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 211 | Selenium | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 212 | Silver | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 213 | Thallium | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 214 | Zinc | mg/kg | Total | Actual | | Wet | | | ICP-AES SOLIDS | |
| 215 | Acrolein | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 216 | Acrylonitrile | ug/kg | Total | Actual | | Wet | | | 1624(S) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 217 | Benzene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 218 | Dichlorobromomethane | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 219 | Bromoform | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 220 | Methyl bromide | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 221 | Carbon tetrachloride | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 222 | Chlorobenzene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 223 | Chloroethane | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 224 | 2-Chloroethyl vinyl ether | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 225 | Chloroform | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 226 | Methyl chloride | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 227 | Chlorodibromomethane | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 228 | Dichloroethane, 1,1- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 229 | Dichloroethane, 1,2- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 230 | 1,1-Dichloroethylene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 231 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 232 | Dichloropropane, 1,2- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 233 | cis-1,3-Dichloropropene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 234 | trans-1,3-Dichloropropene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 235 | Ethylbenzene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 236 | Dichloromethane | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 237 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 238 | Tetrachloroethylene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 239 | Toluene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 240 | Trichloroethane, 1,1,1- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 241 | Trichloroethane, 1,1,2- | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 242 | Trichloroethylene | ug/kg | Total | Actual | | Wet | | | 1624(S) | |
| 243 | Vinyl chloride | ug/kg | Total | Actual | | Wet | | | 1624(S) | |

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|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 244 | Acenaphthene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 245 | Acenaphthylene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 246 | Anthracene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 247 | Benzidine | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 248 | Benzo[a]anthracene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 249 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 250 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 251 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 252 | Benzo[a]pyrene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 253 | bis(2-chloroethoxy) methane | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 254 | bis(2-chloroethyl) ether | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 255 | Bis(2-Chloroisopropyl) ether | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 256 | bis(2-ethylhexyl) phthalate (DEHP) | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 257 | Bromophenyl-4 phenyl ether | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 258 | Butyl benzyl phthalate | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 259 | Chloronaphthalene-2 | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 260 | Chlorophenyl-4 phenyl ether | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 261 | Chrysenes C1-C4 | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 262 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 263 | 1,2-Dichlorobenzene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 264 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 265 | 1,4-Dichlorobenzene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 266 | Dichlorobenzidine, 3,3'- | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 267 | Diethyl phthalate | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 268 | Dimethyl phthalate | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 269 | 2,4-Dinitrotoluene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |

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|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 270 | 2,6-Dinitrotoluene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 271 | Dibutyl phthalate | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 272 | bis(n-octyl) Phthalate | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 273 | Diphenylhydrazine, 1,2- | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 274 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 275 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 276 | Hexachlorobenzene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 277 | Hexachlorobutadiene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 278 | Hexachlorocyclopentadiene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 279 | Hexachloroethane | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 280 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 281 | Isophorone | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 282 | Naphthalene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 283 | nitro-Benzene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 284 | Nitrosodimethylamine, n- | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 285 | n-Nitrosodiphenylamine | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 286 | n-Nitrosodipropylamine | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 287 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 288 | Pyrene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 289 | 1,2,4-Trichlorobenzene | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 290 | Chlorophenol-2 | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 291 | 4-Chloro-3-methylphenol | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 292 | 2,4-Dichlorophenol | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 293 | 2,4-Dimethylphenol | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 294 | Dinitrophenol, 2,4- | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 295 | Dinitro-o-cresol | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 296 | Nitrophenol, 2- | ug/kg | Total | Actual | | Wet | | | 1625(S) | |

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|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 297 | p-Nitrophenol | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 298 | Pentachlorophenol (PCP) | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 299 | Phenol | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 300 | 2,4,6-Trichlorophenol (TCPh) | ug/kg | Total | Actual | | Wet | | | 1625(S) | |
| 301 | Aldrin | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 302 | BHC-alpha | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 303 | BHC-beta | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 304 | BHC-delta | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 305 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 306 | Chlordane | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 307 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 308 | DDE ***retired*** (use DDE, p,p') | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 309 | DDT ***retired*** (use DDT, p,p') | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 310 | Dieldrin | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 311 | Endosulfan, alpha- | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 312 | Endosulfan, beta- | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 313 | Endosulfan Sulfate | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 314 | Endrin | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 315 | Endrin Aldehyde | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 316 | Heptachlor | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 317 | Heptachlor epoxide | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 318 | Methoxychlor | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 319 | Mirex | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 320 | Toxaphene | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 321 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |

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|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 322 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 323 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 324 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 325 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 326 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 327 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 328 | Azinphos-methyl | ug/kg | Total | Actual | | Wet | | | 8141A(S) | |
| 329 | Demeton | ug/kg | Total | Actual | | Wet | | | 8141A(S) | |
| 330 | Malathion | ug/kg | Total | Actual | | Wet | | | 8141A(S) | |
| 331 | Parathion | ug/kg | Total | Actual | | Wet | | | 8141A(S) | |
| 332 | Cyanide | mg/kg | Total | Actual | | Wet | | | 335.2_M(S) | |
| 333 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | ng/kg | Total | Actual | | Wet | | | 8290 | |
| 334 | Solids, Total | % by wt | Total | Actual | | | | | PERCENT SOLIDS | |
| 335 | Lipids (unspecified mix) | % by wt | Total | Actual | | | | | PERCENT LIPIDS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|------------|--------|-----------|--------------|---------|
| BIOACC2 | Bioaccumulation, NOAA Analytes | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Arsenic | mg/kg | Total | Actual | | Wet | | | 200.8(S) | |
| 002 | Mercury | mg/kg | Total | Actual | | Wet | | | 7471A | |
| 003 | Naphthalene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 004 | Dimethylnaphthalene, 2,6- | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |

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|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 005 | Acenaphthylene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 006 | Acenaphthene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 007 | 2,3,5-Trimethylnaphthalene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 008 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 009 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 010 | Anthracene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 011 | Methylphenanthrene, 1- | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 012 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 013 | Pyrene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 014 | Benzo[a]anthracene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 015 | Chrysenes C1-C4 | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 016 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 017 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 018 | Benzo(e)pyrene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 019 | Benzo[a]pyrene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 020 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 021 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 022 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 023 | Perylene | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 024 | Biphenyl | ug/kg | Total | Actual | | Wet | | | 8270C(S) | |
| 025 | Hexachlorobenzene | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 026 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 027 | Heptachlor | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 028 | Aldrin | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 029 | Heptachlor epoxide | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 030 | Chlordane, cis | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 031 | Dieldrin | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |

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|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 032 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 033 | Endrin | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 034 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 035 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 036 | Nonachlor, trans- | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 037 | Mirex | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 038 | DDE, o,p'- | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 039 | DDD, o,p'- | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 040 | DDT,o,p'- | ug/kg | Total | Actual | | Wet | | | 8081A(SWB) | |
| 041 | PCB-008 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 042 | PCB-018 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 043 | PCB-028 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 044 | PCB-044 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 045 | PCB-049 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 046 | PCB-052 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 047 | PCB-066 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 048 | PCB-070 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 049 | PCB-074 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 050 | PCB-087 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 051 | PCB-099 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 052 | Pcb-101 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 053 | Pcb-110 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 054 | Pcb-114 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 055 | Pcb-123 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 056 | Pcb-138 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 057 | Pcb-149 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 058 | Pcb-151 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 059 | Pcb-153 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 060 | Pcb-156 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 061 | Pcb-167 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 062 | Pcb-168 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 063 | Pcb-170 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 064 | Pcb-177 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 065 | Pcb-180 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 066 | Pcb-183 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 067 | Pcb-187 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 068 | Pcb-189 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 069 | Pcb-194 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 070 | Pcb-195 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 071 | Pcb-201 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 072 | Pcb-206 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 073 | Pcb-209 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 074 | PCB-037 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 075 | PCB- 077 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 076 | PCB-081 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 077 | Pcb-105 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 078 | Pcb-118 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 079 | Pcb-119 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 080 | Pcb-126 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 081 | Pcb-128 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 082 | Pcb-157 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 083 | Pcb-158 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |

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|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 084 | Pcb-169 | ug/kg | Total | Actual | | Wet | | | 8082(S) | |
| 085 | Solids, Total | % by wt | Total | Actual | | | | | PERCENT SOLIDS | |
| 086 | Lipids (unspecified mix) | % by wt | Total | Actual | | | | | PERCENT LIPIDS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|------------|-----------|--------------|---------|
| BIOACCME | Bioaccumulation sizing | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FISHLNGTH | Length, Total (Fish) | cm | | Actual | | | | | | |
| FISHWEIGHT | Weight | g | | Actual | | | | | | |
| OBS | General Observation (text) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| RW-CTD | receiving water profiler | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|---------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CTD-DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | CTD | |
| CTD-PH | pH | None | Total | Actual | | | | | CTD | |
| CTD-SALINITY | Salinity | PSS | Total | Actual | | | | | CTD | |
| CTD-TEMP | Temperature, water | deg C | | Actual | | | | | CTD | |
| DEPTH | Depth, data-logger (non-ported) | m | | Actual | | | | | CTD | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RW-LAB | receiving water lab analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| RW-AM | Nitrogen, ammonia as N | ug/l | Total | Actual | | | | | 350.1 | |
| RW-CH | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 445 | |
| RW-EN | Enterococcus Group Bacteria | cfu/100ml | Total | Actual | | | | | ENT | |
| RW-EN-T | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| RW-FC | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| RW-HEM | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | SPE |
| RW-NN | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | ug/l | Total | Actual | | | | | 335.2 | |
| RW-TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | ug/l | Total | Actual | | | | | 353.2 | PERSULF DIG |
| RW-TP | Phosphorus as P | ug/l | Total | Actual | | | | | 365.4 | |
| RW-TU | Turbidity | NTU | Total | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RW-OBS | receiving water observations | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SECCHI | Depth, Secchi Disk Depth | ft | | Actual | | | | | | |
| WAVEHT | Wave height | m | | Actual | | | | | | |
| WEATHER | Weather Comments (text) | | | | | | | | | |
| WINDDIR | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| WINDSP | Wind velocity | mph | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|------------|------------|-----------|--------------|---------|
| SEARCH | search | Sample | Biological | Individual | | | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| SED1 | Sediment analyses, routine | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|---------|-----------------|------------|----------------|-----------------------------------|------------------|------------|---------------------|----------------------------|
| ORP | Oxidation reduction potential (ORP) | mV | Total | Actual | | | | | PLUMB | |
| PHI+1TO+2 | Substrate - sand, medium | % by wt | | Calculated | | Dry Particle Size Basis | Phi 1 to 2 | | PLUMB | |
| PHI+2TO+3 | Substrate - sand, fine | % by wt | | Calculated | | Dry Particle Size Basis | Phi 2 to 3 | | PLUMB | |
| PHI+3TO+4 | Substrate - sand, very fine | % by wt | | Calculated | | Dry Particle Size Basis | Phi 3 to 4 | | PLUMB | |
| PHI-1TO0 | Substrate - sand, very coarse | % by wt | | Calculated | | Dry Particle Size Basis | Phi -1 to 0 | | PLUMB | |
| PHI-2TO-1 | Substrate - gravel, very fine | % by wt | | Calculated | | Dry Particle Size Basis | PHI -2 TO -1 | | PLUMB | |
| PHI0TO+1 | Substrate - sand, coarse | % by wt | | Calculated | | Dry Particle Size Basis | Phi 0 to 1 | | PLUMB | |
| PHI<-2 | Substrate - gravel, fine | % by wt | | Calculated | | Dry Particle Size Basis | Phi less than -2 | | PLUMB | |
| PHI>4 | Substrate - silt | % by wt | | Calculated | | Dry Particle Size Basis | Phi >4 to 12 | | PLUMB | |
| SEDO&G | Oil and Grease | mg/kg | Total | Actual | | Dry | | | PLUMB | |
| SEDTN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/kg | Total | Calculated | | Dry | | | PLUMB | |
| TOC | Carbon, Total Organic (Toc) | % | Total | Actual | | Dry | | | PLUMB | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SED2 | Sediment, Priority Pollutants | Sample | Sediment | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 401 | Antimony | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 402 | Arsenic | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 403 | Beryllium | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 404 | Cadmium | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 405 | Chromium | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 406 | Copper | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 407 | Lead | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 408 | Mercury | mg/kg | Total | Actual | | Dry | | | CVAA SOLIDS | |
| 409 | Molybdenum | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 410 | Nickel | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 411 | Selenium | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 412 | Silver | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 413 | Thallium | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 414 | Zinc | mg/kg | Total | Actual | | Dry | | | ICP-AES SOLIDS | |
| 415 | Acrolein | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 416 | Acrylonitrile | ug/kg | Total | Actual | | Dry | | | 1624(S) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 417 | Benzene | ug/kg | Total | Actual | | Dry | | | | |
| 418 | Dichlorobromomethane | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 419 | Bromoform | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 420 | Methyl bromide | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 421 | Carbon tetrachloride | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 422 | Chlorobenzene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 423 | Chloroethane | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 424 | 2-Chloroethyl vinyl ether | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 425 | Chloroform | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 426 | Methyl chloride | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 427 | Chlorodibromomethane | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 428 | Dichloroethane, 1,1- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 429 | Dichloroethane, 1,2- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 430 | 1,1-Dichloroethylene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 431 | Dichloroethene, trans-1,2- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 432 | Dichloropropane, 1,2- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 433 | cis-1,3-Dichloropropene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 434 | trans-1,3-Dichloropropene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 435 | Ethylbenzene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 436 | Dichloromethane | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 437 | Tetrachloroethane, 1,1,2,2- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 438 | Tetrachloroethylene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 439 | Toluene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 440 | Trichloroethane, 1,1,1- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 441 | Trichloroethane, 1,1,2- | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 442 | Trichloroethylene | ug/kg | Total | Actual | | Dry | | | 1624(S) | |
| 443 | Vinyl chloride | ug/kg | Total | Actual | | Dry | | | 1624(S) | |

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|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 444 | Acenaphthene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 445 | Acenaphthylene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 446 | Anthracene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 447 | Benzidine | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 448 | Benzo[a]anthracene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 449 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 450 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 451 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 452 | Benzo[a]pyrene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 453 | bis(2-chloroethoxy) methane | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 454 | bis(2-chloroethyl) ether | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 455 | Bis(2-Chloroisopropyl) ether | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 456 | bis(2-ethylhexyl) phthalate (DEHP) | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 457 | Bromophenyl-4 phenyl ether | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 458 | Butyl benzyl phthalate | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 459 | Chloronaphthalene-2 | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 460 | Chlorophenyl-4 phenyl ether | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 461 | Chrysenes C1-C4 | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 462 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 463 | 1,2-Dichlorobenzene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 464 | 1,3-Dichlorobenzene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 465 | 1,4-Dichlorobenzene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 466 | Dichlorobenzidine, 3,3'- | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 467 | Diethyl phthalate | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 468 | Dimethyl phthalate | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 469 | 2,4-Dinitrotoluene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |

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|--------|---------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 470 | 2,6-Dinitrotoluene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 471 | Dibutyl phthalate | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 472 | bis(n-octyl) Phthalate | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 473 | Diphenylhydrazine, 1,2- | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 474 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 475 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 476 | Hexachlorobenzene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 477 | Hexachlorobutadiene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 478 | Hexachlorocyclopentadiene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 479 | Hexachloroethane | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 480 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 481 | Isophorone | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 482 | Naphthalene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 483 | nitro-Benzene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 484 | Nitrosodimethylamine, n- | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 485 | n-Nitrosodiphenylamine | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 486 | n-Nitrosodipropylamine | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 487 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 488 | Pyrene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 489 | 1,2,4-Trichlorobenzene | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 490 | Chlorophenol-2 | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 491 | 4-Chloro-3-methylphenol | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 492 | 2,4-Dichlorophenol | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 493 | 2,4-Dimethylphenol | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 494 | Dinitrophenol, 2,4- | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 495 | Dinitro-o-cresol | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 496 | Nitrophenol, 2- | ug/kg | Total | Actual | | Dry | | | 1625(S) | |

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|--------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 497 | p-Nitrophenol | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 498 | Pentachlorophenol (PCP) | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 499 | Phenol | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 500 | 2,4,6-Trichlorophenol (TCPh) | ug/kg | Total | Actual | | Dry | | | 1625(S) | |
| 501 | Aldrin | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 502 | BHC-alpha | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 503 | BHC-beta | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 504 | BHC-delta | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 505 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 506 | Chlordane | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 507 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 508 | DDE ***retired*** (use DDE, p,p') | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 509 | DDT ***retired*** (use DDT, p,p') | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 510 | Dieldrin | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 511 | Endosulfan, alpha- | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 512 | Endosulfan, beta- | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 513 | Endosulfan Sulfate | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 514 | Endrin | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 515 | Endrin Aldehyde | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 516 | Heptachlor | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 517 | Heptachlor epoxide | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 518 | Methoxychlor | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 519 | Mirex | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 520 | Toxaphene | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 521 | Pcb-aroclor 1016 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |

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|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 522 | Pcb-aroclor 1221 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 523 | Pcb-aroclor 1232 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 524 | Pcb-aroclor 1242 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 525 | Pcb-aroclor 1248 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 526 | Pcb-aroclor 1254 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 527 | Pcb-aroclor 1260 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 528 | Azinphos-methyl | ug/kg | Total | Actual | | Dry | | | 8141A(S) | |
| 529 | Demeton | ug/kg | Total | Actual | | Dry | | | 8141A(S) | |
| 530 | Malathion | ug/kg | Total | Actual | | Dry | | | 8141A(S) | |
| 531 | Parathion | ug/kg | Total | Actual | | Dry | | | 8141A(S) | |
| 532 | Cyanide | mg/kg | Total | Actual | | Dry | | | 335.2_M(S) | |
| 533 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | ug/kg | Total | Actual | | Dry | | | 8280A(S) | |
| 534 | Solids, Total | % by wt | Total | Actual | | | | | PERCENT SOLIDS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|----------|--------|-----------|--------------|---------|
| SED3 | Sediment, NOAA S&T analyses | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Aluminum | mg/kg | Total | Actual | | Dry | | | 6010B | |
| 002 | Arsenic | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 003 | Beryllium | mg/kg | Total | Actual | | Dry | | | 6010B | |
| 004 | Cadmium | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 005 | Chromium | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 005A | Chromium | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |

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|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 006 | Copper | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 007 | Iron | mg/kg | Total | Actual | | Dry | | | 6010B | |
| 008 | Lead | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 009 | Mercury | mg/kg | Total | Actual | | Dry | | | 7471A | |
| 010 | Nickel | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 010A | Nickel | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 011 | Selenium | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 012 | Silver | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 013 | Zinc | mg/kg | Total | Actual | | Dry | | | 200.8(S) | |
| 014 | Naphthalene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 015 | Dimethylnaphthalene, 2,6- | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 016 | Acenaphthylene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 017 | Acenaphthene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 018 | 2,3,5-Trimethylnaphthalene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 019 | Fluorenes, C1-C3 | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 020 | Phenanthrenes, C1-C4 | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 021 | Anthracene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 022 | Methylphenanthrene, 1- | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 023 | Fluoranthenes, C1-C4 | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 024 | Pyrene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 025 | Benzo[a]anthracene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 026 | Chrysenes C1-C4 | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 027 | Benzo[b]fluoranthene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 028 | Benzo[k]fluoranthene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 029 | Benzo(e)pyrene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 030 | Benzo[a]pyrene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 031 | Indeno[1,2,3-cd]pyrene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |

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|--------|------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 032 | Dibenzo[a,h]anthracene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 033 | Benzo[g,h,i]perylene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 034 | Perylene | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 035 | Biphenyl | ug/kg | Total | Actual | | Dry | | | 8270C(S) | |
| 036 | Hexachlorobenzene | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 037 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 038 | Heptachlor | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 039 | Aldrin | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 040 | Heptachlor epoxide | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 041 | Chlordane, cis | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 042 | Dieldrin | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 043 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 044 | Endrin | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 045 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 046 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 047 | DDE, o,p'- | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 048 | Nonachlor, trans- | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 049 | DDD, o,p'- | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 050 | DDT, o,p'- | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 051 | Mirex | ug/kg | Total | Actual | | Dry | | | 8081A(SWB) | |
| 052 | PCB-008 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 053 | PCB-018 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 054 | PCB-028 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 055 | PCB-044 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 056 | PCB-052 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |

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|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 057 | PCB-066 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 058 | PCB-070 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 059 | PCB-074 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 060 | PCB-087 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 061 | PCB-099 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 062 | Pcb-101 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 063 | Pcb-110 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 064 | Pcb-114 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 065 | Pcb-123 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 066 | Pcb-138 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 067 | Pcb-151 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 068 | Pcb-156 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 069 | Pcb-167 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 070 | Pcb-177 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 071 | Pcb-180 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 072 | Pcb-183 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 073 | Pcb-187 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 074 | Pcb-189 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 075 | Pcb-194 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 076 | Pcb-195 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 077 | Pcb-201 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 078 | Pcb-206 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 079 | Pcb-209 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 080 | PCB-037 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 081 | PCB-049 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 082 | Pcb-149 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 083 | PCB- 077 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |

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|--------|------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 084 | PCB-081 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 085 | Pcb-105 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 086 | Pcb-118 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 087 | Pcb-119 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 088 | Pcb-126 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 089 | Pcb-128 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 090 | Pcb-153 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 091 | Pcb-157 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 092 | Pcb-158 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 093 | Pcb-168 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 094 | Pcb-169 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 095 | Pcb-170 | ug/kg | Total | Actual | | Dry | | | 8082(S) | |
| 096 | Solids, Total | % by wt | Total | Actual | | | | | PERCENT SOLIDS | |
| 097 | Carbon, Total Organic (Toc) | % by wt | Total | Actual | | | | | SEDTOC | |
| 098 | Acid Volatile Sulfides (AVS) | mg/kg | Total | Actual | | Dry | | | SEDAVS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| WW-LAB-O | Plant field test | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FLOW | Flow | mgd | | Actual | | | | | FLOW | |
| PH | pH | None | Total | Actual | | | | | 150.1 | |
| TEMP-EFF | Temperature, water | deg C | | Actual | | | | | 170.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WW-LAB-P | PP plant lab analyses | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 001 | Antimony | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 001A | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 002 | Arsenic | ug/l | Total | Actual | | | | | 3113-B | NITRIC-PEROXIDE |
| 003 | Beryllium | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 003A | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 004 | Cadmium | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 004A | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 005 | Chromium | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 005A | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 006 | Copper | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 006A | Copper | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 007 | Lead | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 007A | Lead | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 008 | Mercury | ug/l | Total | Actual | | | | | 3112-B | |
| 009 | Nickel | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 009A | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 010 | Selenium | ug/l | Total | Actual | | | | | 3113-B | NITRIC-PEROXIDE |
| 011 | Silver | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 011A | Silver | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 012 | Thallium | ug/l | Total | Actual | | | | | 3113-B | 3030-E |
| 012A | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 013 | Zinc | ug/l | Total | Actual | | | | | 3111-B | 3030-E |
| 013A | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | 200.2-M |
| 014 | Acrolein | ug/l | Total | Actual | | | | | EPA603 MODIFIED | |

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|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 015 | Acrylonitrile | ug/l | Total | Actual | | | | | EPA603 MODIFIED | |
| 016 | Benzene | ug/l | Total | Actual | | | | | 624 | |
| 017 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 624 | |
| 018 | Bromoform | ug/l | Total | Actual | | | | | 624 | |
| 019 | Methyl bromide | ug/l | Total | Actual | | | | | 624 | |
| 020 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 624 | |
| 021 | Chlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 022 | Chloroethane | ug/l | Total | Actual | | | | | 624 | |
| 023 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | 624 | |
| 024 | Chloroform | ug/l | Total | Actual | | | | | 624 | |
| 025 | Methyl chloride | ug/l | Total | Actual | | | | | 624 | |
| 026 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 624 | |
| 027 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 028 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 029 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| 030 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 624 | |
| 031 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| 032 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| 033 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 624 | |
| 034 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| 035 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| 036 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| 037 | Ethylbenzene | ug/l | Total | Actual | | | | | 624 | |
| 038 | Dichloromethane | ug/l | Total | Actual | | | | | 624 | |
| 039 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 624 | |
| 040 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 624 | |

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|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 041 | Toluene | ug/l | Total | Actual | | | | | 624 | |
| 042 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 624 | |
| 043 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 624 | |
| 044 | Trichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| 045 | Vinyl chloride | ug/l | Total | Actual | | | | | 624 | |
| 046 | Acenaphthene | ug/l | Total | Actual | | | | | 625 | |
| 047 | Acenaphthylene | ug/l | Total | Actual | | | | | 625 | |
| 048 | Anthracene | ug/l | Total | Actual | | | | | 625 | |
| 049 | Benzdine | ug/l | Total | Actual | | | | | 625 | |
| 050 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 625 | |
| 051 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| 052 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| 053 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 625 | |
| 054 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 625 | |
| 055 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 625 | |
| 056 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 625 | |
| 057 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | 625 | |
| 058 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 625 | |
| 059 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625 | |
| 060 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| 061 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 625 | |
| 062 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625 | |
| 063 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| 064 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 625 | |
| 065 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 625 | |
| 066 | Diethyl phthalate | ug/l | Total | Actual | | | | | 625 | |

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|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 067 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| 068 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 625 | |
| 069 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 625 | |
| 070 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| 071 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 625 | |
| 072 | Diphenylhydrazine, 1,2- | ug/l | Total | Actual | | | | | 625 | |
| 073 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| 074 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | 625 | |
| 075 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 076 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 625 | |
| 077 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 625 | |
| 078 | Hexachloroethane | ug/l | Total | Actual | | | | | 625 | |
| 079 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 625 | |
| 080 | Isophorone | ug/l | Total | Actual | | | | | 625 | |
| 081 | Naphthalene | ug/l | Total | Actual | | | | | 625 | |
| 082 | nitro-Benzene | ug/l | Total | Actual | | | | | 625 | |
| 083 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| 084 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 625 | |
| 085 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 625 | |
| 086 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| 087 | Pyrene | ug/l | Total | Actual | | | | | 625 | |
| 088 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 089 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 625 | |
| 090 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 625 | |
| 091 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 625 | |
| 092 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 625 | |
| 093 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 625 | |

Characteristic Group Details

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HI301H

City and county of Honolulu

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 094 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 625 | |
| 095 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 625 | |
| 096 | p-Nitrophenol | ug/l | Total | Actual | | | | | 625 | |
| 097 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 625 | |
| 098 | Phenol | ug/l | Total | Actual | | | | | 625 | |
| 099 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 625 | |
| 100 | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| 101 | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| 102 | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| 103 | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| 104 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| 105 | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| 106 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 608 | |
| 107 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| 108 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| 109 | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| 110 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| 111 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| 112 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| 113 | Endrin | ug/l | Total | Actual | | | | | 608 | |
| 114 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 608 | |
| 115 | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| 116 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| 117 | Methoxychlor | ug/l | Total | Actual | | | | | 608 | |
| 118 | Mirex | ug/l | Total | Actual | | | | | 608 | |

Characteristic Group Details

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HI301H

City and county of Honolulu

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 119 | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| 120 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| 121 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| 122 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| 123 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| 124 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| 125 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| 126 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| 127 | Azinphos-methyl | ug/l | Total | Actual | | | | | 614 | |
| 128 | Demeton, o- | ug/l | Total | Actual | | | | | 614 | |
| 129 | Demeton, s- | ug/l | Total | Actual | | | | | 614 | |
| 130 | Malathion | ug/l | Total | Actual | | | | | 614 | |
| 131 | Parathion | ug/l | Total | Actual | | | | | 614 | |
| 132 | Cyanide | ug/l | Total | Actual | | | | | 335.2 | |
| 133 | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) | pg/l | Total | Actual | | | | | 613 | |
| 134 | Aluminum | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 134A | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 135 | Antimony | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 135A | Antimony | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 136 | Arsenic | ug/l | Dissolved | Actual | | | | | 3113-B | |
| 137 | Beryllium | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 137A | Beryllium | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 138 | Cadmium | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 138A | Cadmium | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 139 | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | 3500-CR(D) | 3030-B |
| 140 | Copper | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |

Characteristic Group Details

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HI301H

City and county of Honolulu

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 140A | Copper | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 141 | Lead | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 141A | Lead | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 142 | Mercury | ug/l | Dissolved | Actual | | | | | 3112-B | 3030-B |
| 143 | Nickel | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 143A | Nickel | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 144 | Selenium | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 145 | Silver | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 145A | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 146 | Thallium | ug/l | Dissolved | Actual | | | | | 3113-B | 3030-B |
| 146A | Thallium | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 147 | Zinc | ug/l | Dissolved | Actual | | | | | 3111-B | 3030-B |
| 147A | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | 3030-B |
| 148 | Pentachloroethane | ug/l | Total | Actual | | | | | 624 | |
| 149 | Nitrosodibutylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| 150 | Nitrosodiethylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| 151 | Nitrosopyrrolidine, n- | ug/l | Total | Actual | | | | | 625 | |
| 152 | Pentachlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| 153 | Tetrachlorobenzene, 1,2,4,5- | ug/l | Total | Actual | | | | | 625 | |
| 154 | Tetrachlorophenol, 2,3,5,6- | ug/l | Total | Actual | | | | | 625 | |
| 155 | Chlorpyrifos-methyl | ug/l | Total | Actual | | | | | 614 | |
| 156 | Tributyltin | ug/l | Total | Actual | | | | | STL- ALKYLTINS | |
| 157 | Asbestos | fibers/l | Total | Actual | | | | | HI301H | |
| 158 | Demeton | ug/l | Total | Actual | | | | | 614 | |

Characteristic Group Details

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HI301H

City and county of Honolulu

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| WW-LAB-R | routine plant lab analyses | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 405.1 | |
| ENT | Enterococcus Group Bacteria | cfu/100ml | Total | Actual | | | | | ENT | |
| ENT-T | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230-C | |
| FC | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| HEM | Oil and Grease | mg/l | Total | Calculated | | | | | 1664 | SPE |
| NN | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.3 | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |
| TP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.3 | |
| TPH | Hydrocarbons, Petroleum (Unspecified Mix) | mg/l | Total | Calculated | | | | | 1664 | SPE-SGT |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |

Characteristic Group Details

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HSGMN

High Springs Gap Groundwater Level Monitoring Network

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| HSGMN | water surface | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Elevation, groundwater surface, MSL | | | Actual | | | | | | |

Characteristic Group Details

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IASNAPST

Iowa Geological Survey (Iowa)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | | Result Group | Habitat |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WATCHEM | Water Chemistry | Sample | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 001 | Acetochlor | ug/l | Total | Actual | | | | | 507 | |
| 002 | Alachlor | ug/l | Total | Actual | | | | | 507 | |
| 003 | Ametryne | ug/l | Total | Actual | | | | | 507 | |
| 004 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| 005 | Atrazine | ug/l | Total | Actual | | | | | 507 | |
| 006 | Bromacil | ug/l | Total | Actual | | | | | 507 | |
| 007 | Butylate | ug/l | Total | Actual | | | | | 507 | |
| 008 | Cyanazine | ug/l | Total | Actual | | | | | 507 | |
| 009 | Desethyl atrazine | ug/l | Total | Actual | | | | | 507 | |
| 010 | Desisopropyl atrazine | ug/l | Total | Actual | | | | | 507 | |
| 011 | Dimethenamid | ug/l | Total | Actual | | | | | 507 | |
| 012 | Escherichia coli | cfu/100ml | Total | Actual | | | | | 1603 | |
| 013 | Escherichia coli | cfu/100ml | Total | Actual | | | | | APHA 9222G | |
| 014 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Total | Actual | | | | | 507 | |
| 015 | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | |
| 016 | Metolachlor | ug/l | Total | Actual | | | | | 507 | |
| 017 | Metribuzin | ug/l | Total | Actual | | | | | 507 | |
| 018 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| 019 | Prometone | ug/l | Total | Actual | | | | | 507 | |
| 020 | Propachlor | ug/l | Total | Actual | | | | | 507 | |
| 021 | Propazine | ug/l | Total | Actual | | | | | 507 | |
| 022 | Simazine | ug/l | Total | Actual | | | | | 507 | |
| 023 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |

Characteristic Group Details

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IASNAPST

Iowa Geological Survey (Iowa)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 024 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| 025 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| 026 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 13765 | |
| 027 | Trifluralin | ug/l | Total | Actual | | | | | 507 | |
| 028 | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1 | |
| 029 | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |

Characteristic Group Details

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| IL_EPA | Illinois EPA | | | | | | | | | |
|--------------------|---|--------------------------|----------------------|------------------|----------------|--------------|----------------|--------------|---------------------|----------------------------|
| Group ID IL_BIO | Group Name Biological Samples for IL EPA | Field Activity Sample | Medium Biological | Intent Tissue | Community | | | Result Group | | Habitat N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A34200 | Acenaphthylene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34205 | Acenaphthene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34220 | Anthracene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34230 | Benzo[b]fluoranthene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34242 | Benzo[k]fluoranthene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34247 | Benzo[a]pyrene | ug/g | | Actual | | | | | LAB | LAB |
| A34273 | bis(2-chloroethyl) ether | ug/g | | Actual | | | | | LAB | LAB |
| A34278 | bis(2-chloroethoxy) methane | ug/g | Total | Actual | | | | | LAB | LAB |
| A34283 | Dichlorodiisopropyl ether, 2,2'- | ug/g | Total | Actual | | | | | LAB | LAB |
| A34292 | Butyl benzyl phthalate | ug/g | Total | Actual | | | | | LAB | LAB |
| A34320 | Chrysenes C1-C4 | ug/g | Total | Actual | | | | | LAB | LAB |
| A34336 | Diethyl phthalate | ug/g | Total | Actual | | | | | LAB | LAB |
| A34341 | Dimethyl phthalate | ug/g | Total | Actual | | | | | LAB | LAB |
| A34376 | Fluoranthenes, C1-C4 | ug/g | Total | Actual | | | | | LAB | LAB |
| A34381 | Fluorenes, C1-C3 | ug/g | Total | Actual | | | | | LAB | LAB |
| A34386 | Hexachlorocyclopentadiene | ug/g | | Actual | | | | | LAB | LAB |
| A34391 | Hexachlorobutadiene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34396 | Hexachloroethane | ug/g | | Actual | | | | | LAB | LAB |
| A34403 | Indeno[1,2,3-cd]pyrene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34408 | Isophorone | ug/g | | Actual | | | | | LAB | LAB |
| A34428 | n-Nitrosodipropylamine | ug/g | Total | Actual | | | | | LAB | LAB |
| A34447 | nitro-Benzene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34452 | 4-Chloro-3-methylphenol | ug/g | | Actual | | | | | LAB | LAB |
| A34461 | Phenanthrenes, C1-C4 | ug/g | Total | Actual | | | | | LAB | LAB |
| A34469 | Pyrene | ug/g | Total | Actual | | | | | LAB | LAB |

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IL_EPA

Illinois EPA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A34521 | Benzo[g,h,i]perylene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34526 | Benzo[a]anthracene | ug/g | | Actual | | | | | LAB | LAB |
| A34536 | 1,2-Dichlorobenzene | ug/g | | Actual | | | | | LAB | LAB |
| A34551 | 1,2,4-Trichlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34556 | Dibenzo[a,h]anthracene | ug/g | | Actual | | | | | LAB | LAB |
| A34566 | 1,3-Dichlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34571 | 1,4-Dichlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34581 | Chloronaphthalene-2 | ug/g | Total | Actual | | | | | LAB | LAB |
| A34586 | Chlorophenol-2 | ug/g | Total | Actual | | | | | LAB | LAB |
| A34591 | Nitrophenol, 2- | ug/g | Total | Actual | | | | | LAB | LAB |
| A34596 | bis(n-octyl) Phthalate | ug/g | Total | Actual | | | | | LAB | LAB |
| A34601 | 2,4-Dichlorophenol | ug/g | | Actual | | | | | LAB | LAB |
| A34606 | 2,4-Dimethylphenol | ug/g | | Actual | | | | | LAB | LAB |
| A34611 | 2,4-Dinitrotoluene | ug/g | | Actual | | | | | LAB | LAB |
| A34616 | Dinitrophenol, 2,4- | ug/g | Total | Actual | | | | | LAB | LAB |
| A34621 | 2,4,6-Trichlorophenol (TCPPh) | ug/g | Total | Actual | | | | | LAB | LAB |
| A34626 | 2,6-Dinitrotoluene | ug/g | | Actual | | | | | LAB | LAB |
| A34631 | Dichlorobenzidine, 3,3'- | ug/g | Total | Actual | | | | | LAB | LAB |
| A34636 | Bromophenyl-4 phenyl ether | ug/g | Total | Actual | | | | | LAB | LAB |
| A34641 | Chlorophenyl-4 phenyl ether | ug/g | | Actual | | | | | LAB | LAB |
| A34646 | p-Nitrophenol | ug/g | | Actual | | | | | LAB | LAB |
| A34694 | Phenol | ug/g | Total | Actual | | | | | LAB | LAB |
| A34696 | Naphthalene | ug/g | Total | Actual | | | | | LAB | LAB |
| A39032 | Pentachlorophenol (PCP) | ug/g | Total | Actual | | | | | LAB | LAB |
| A39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/g | Total | Actual | | | | | LAB | LAB |
| A39110 | Dibutyl phthalate | ug/g | Total | Actual | | | | | LAB | LAB |

Characteristic Group Details

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IL_EPA

Illinois EPA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A39700 | Hexachlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB |
| A77147 | Benzyl alcohol | ug/g | | Actual | | | | | LAB | LAB |
| A77247 | Benzoic acid | ug/g | Total | Actual | | | | | LAB | LAB |
| A77416 | Methylnaphthalene, 2- | ug/g | Total | Actual | | | | | LAB | LAB |
| A77687 | Trichlorophenol, 2,4,5- | ug/g | | Actual | | | | | LAB | LAB |
| A78300 | m-Nitroaniline | ug/g | Total | Actual | | | | | LAB | LAB |
| A81302 | Dibenzofuran | ug/g | | Actual | | | | | LAB | LAB |
| D00000 | Depth | ft | | Actual | | | | | FIELD | FIELD |
| P00023 | Weight | lb | | Actual | | | | | FIELD | FIELD |
| P00024 | Length | in | | Actual | | | | | FIELD | FIELD |
| P34680 | Aldrin | ug/g | Total | Actual | | | | | LAB | LAB |
| P34682 | Chlordane | ug/g | Total | Actual | | | | | LAB | LAB |
| P34685 | Endrin | ug/g | | Actual | | | | | LAB | LAB |
| P34686 | Heptachlor epoxide | ug/g | | Actual | | | | | LAB | LAB |
| P34687 | Heptachlor | ug/g | | Actual | | | | | LAB | LAB |
| P34688 | Hexachlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB |
| P34691 | Toxaphene | ug/g | | Actual | | | | | LAB | LAB |
| P39074 | BHC-alpha | ug/g | Total | Actual | | | | | LAB | LAB |
| P39105 | Lipids (unspecified mix) | % | | Actual | | | | | LAB | LAB |
| P39376 | DDT ***retired*** (use DDT, p,p'-) | ug/g | Total | Actual | | | | | LAB | LAB |
| P39404 | Dieldrin | ug/g | | Actual | | | | | LAB | LAB |
| P39515 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/g | Total | Actual | | | | | LAB | LAB |
| P39785 | BHC-gamma (Lindane) | ug/g | Total | Actual | | | | | LAB | LAB |
| P71930 | Mercury | mg/kg | Total | Actual | | | | | LAB | LAB |
| P81644 | Methoxychlor | ug/g | | Actual | | | | | LAB | LAB |
| P81645 | Mirex | ug/g | | Actual | | | | | LAB | LAB |

Characteristic Group Details

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| IL_EPA | Illinois EPA | | | | | | | | | | |
|----------|-----------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|---------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | | Result Group | | Habitat |
| IL_SED | Sediment samples for IL EPA | Sample | Sediment | | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| A00000 | Chloroaniline, 4- | ug/g | Total | Actual | | | | | LAB | LAB | |
| A00001 | Nitroaniline, 2- | ug/g | Total | Actual | | | | | LAB | LAB | |
| A00002 | p-Nitroaniline | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34200 | Acenaphthylene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34205 | Acenaphthene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34220 | Anthracene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34230 | Benzo[b]fluoranthene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34242 | Benzo[k]fluoranthene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34247 | Benzo[a]pyrene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34278 | bis(2-chloroethoxy) methane | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34320 | Chrysenes C1-C4 | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34376 | Fluoranthenes, C1-C4 | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34381 | Fluorenes, C1-C3 | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34386 | Hexachlorocyclopentadiene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34391 | Hexachlorobutadiene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34396 | Hexachloroethane | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34403 | Indeno[1,2,3-cd]pyrene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34408 | Isophorone | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34452 | 4-Chloro-3-methylphenol | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34461 | Phenanthrenes, C1-C4 | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34469 | Pyrene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34551 | 1,2,4-Trichlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34556 | Dibenzo[a,h]anthracene | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34586 | Chlorophenol-2 | ug/g | Total | Actual | | | | | LAB | LAB | |
| A34591 | Nitrophenol, 2- | ug/g | Total | Actual | | | | | LAB | LAB | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A34601 | 2,4-Dichlorophenol | ug/g | Total | Actual | | | | | LAB | LAB |
| A34606 | 2,4-Dimethylphenol | ug/g | Total | Actual | | | | | LAB | LAB |
| A34611 | 2,4-Dinitrotoluene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34616 | Dinitrophenol, 2,4- | ug/g | Total | Actual | | | | | LAB | LAB |
| A34621 | 2,4,6-Trichlorophenol (TCPPh) | ug/g | Total | Actual | | | | | LAB | LAB |
| A34626 | 2,6-Dinitrotoluene | ug/g | Total | Actual | | | | | LAB | LAB |
| A34631 | Dichlorobenzidine, 3,3'- | ug/g | Total | Actual | | | | | LAB | LAB |
| A34636 | Bromophenyl-4 phenyl ether | ug/g | Total | Actual | | | | | LAB | LAB |
| A34641 | Chlorophenyl-4 phenyl ether | ug/g | Total | Actual | | | | | LAB | LAB |
| A34646 | p-Nitrophenol | ug/g | Total | Actual | | | | | LAB | LAB |
| A34694 | Phenol | ug/g | Total | Actual | | | | | LAB | LAB |
| A34696 | Naphthalene | ug/g | Total | Actual | | | | | LAB | LAB |
| A39700 | Hexachlorobenzene | ug/g | Total | Actual | | | | | LAB | LAB |
| A77147 | Benzyl alcohol | ug/g | Total | Actual | | | | | LAB | LAB |
| A77247 | Benzoic acid | ug/g | Total | Actual | | | | | LAB | LAB |
| A77416 | Methylnaphthalene, 2- | ug/g | Total | Actual | | | | | LAB | LAB |
| A77687 | Trichlorophenol, 2,4,5- | ug/g | Total | Actual | | | | | LAB | LAB |
| A81302 | Dibenzofuran | ug/g | Total | Actual | | | | | LAB | LAB |
| D00000 | Depth | ft | | Actual | | | | | FIELD | FIELD |
| P00136 | Temperature, sample | deg C | | Actual | | | | | LAB | LAB |
| P00627 | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | LAB | LAB |
| P00668 | Phosphorus as P | mg/kg | Total | Actual | | | | | LAB | LAB |
| P00721 | Cyanide | mg/kg | Total | Actual | | | | | LAB | LAB |
| P00938 | Potassium | mg/kg | | Actual | | | | | LAB | LAB |
| P01003 | Arsenic | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01008 | Barium | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01028 | Cadmium | mg/kg | Total | Actual | | | | | LAB | LAB |

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| IL_EPA | Illinois EPA | | | | | | | | | |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| P01029 | Chromium | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01043 | Copper | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01052 | Lead | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01053 | Manganese | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01068 | Nickel | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01078 | Silver | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01093 | Zinc | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01170 | Iron | mg/kg | Total | Actual | | | | | LAB | LAB |
| P30191 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | LAB | LAB |
| P30200 | Dichloropropionic acid, 2,2-***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | LAB | LAB |
| P30295 | Propachlor | ug/l | | Actual | | | | | LAB | LAB |
| P34247 | Benzo[a]pyrene | ug/l | | Actual | | | | | LAB | LAB |
| P38442 | Dicamba | ug/l | | Actual | | | | | LAB | LAB |
| P38923 | Metolachlor | ug/kg | | Actual | | | | | LAB | LAB |
| P39032 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39055 | Simazine | ug/l | | Actual | | | | | LAB | LAB |
| P39064 | Chlordane, cis | ug/l | Total | Actual | | | | | LAB | LAB |
| P39067 | Chlordane, trans | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39076 | BHC-alpha | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39107 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Suspended | Actual | | | | | LAB | LAB |
| P39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39311 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39321 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | LAB | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| |) | | | | | | | | | |
| P39333 | Aldrin | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39343 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39351 | Chlordane | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39359 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | LAB | LAB |
| |) | | | | | | | | | |
| P39383 | Dieldrin | ug/kg | | Actual | | | | | LAB | LAB |
| P39393 | Endrin | ug/kg | | Actual | | | | | LAB | LAB |
| P39400 | Toxaphene | ug/l | | Actual | | | | | LAB | LAB |
| P39413 | Heptachlor | ug/kg | | Actual | | | | | LAB | LAB |
| P39423 | Heptachlor epoxide | ug/kg | | Actual | | | | | LAB | LAB |
| P39481 | Methoxychlor | ug/kg | | Actual | | | | | LAB | LAB |
| P39519 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39631 | Atrazine | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39701 | Hexachlorobenzene | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39720 | Picloram | ug/l | | Actual | | | | | LAB | LAB |
| P39730 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | LAB | LAB |
| P39760 | Silvex | ug/l | | Actual | | | | | LAB | LAB |
| P39770 | Dacthal | ug/l | | Actual | | | | | LAB | LAB |
| P46489 | Carbon, Total Organic (Toc) | % | | Actual | | | | | LAB | LAB |
| P49099 | Arsenic | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49100 | Antimony | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49101 | Barium | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49102 | Beryllium | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49103 | Cadmium | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49105 | Chromium | mg/l | Supernate | Actual | | | | | LAB | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P49109 | Lead | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49112 | Nickel | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49114 | Selenium | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49115 | Silver | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49118 | Thallium | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49119 | Vanadium | mg/l | Supernate | Actual | | | | | LAB | LAB |
| P49196 | Captan | ug/kg | Supernate | Actual | | | | | LAB | LAB |
| P49259 | Acetochlor | ug/l | | Actual | | | | | LAB | LAB |
| P70017 | Hexachlorocyclopentadiene | ug/l | | Actual | | | | | LAB | LAB |
| P70318 | Solids, Fixed | % | Non-volatile | Actual | | | | | LAB | LAB |
| P70322 | Solids, Fixed | % | Volatile | Actual | | | | | FIELD | FIELD |
| P71921 | Mercury | mg/kg | Supernate | Actual | | | | | LAB | LAB |
| P72025 | Depth, bottom | ft | | Actual | | | | | FIELD | FIELD |
| P77860 | Butachlor | ug/l | | Actual | | | | | LAB | LAB |
| P77903 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | LAB | LAB |
| P79193 | Acifluorfen, sodium salt | ug/l | | Actual | | | | | LAB | LAB |
| P81407 | Alachlor | ug/kg | Total | Actual | | | | | LAB | LAB |
| P81409 | Metribuzin | ug/kg | | Actual | | | | | LAB | LAB |
| P81618 | Trifluralin | ug/kg | Total | Actual | | | | | LAB | LAB |
| P82409 | Pendimethalin | ug/kg | Total | Actual | | | | | LAB | LAB |
| P82453 | Nitrogen, ammonia (NH3) as NH3 | mg/kg | Total | Actual | | | | | LAB | LAB |
| P82543 | Cyanazine | ug/kg | | Actual | | | | | LAB | LAB |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| IL_WATER | Water Samples for IL EPA | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A14200 | Chlorophyll (a+b+c) | ug/l | Filterable | Actual | | | | | FIELD | FIELD |
| D00000 | Depth | ft | | Actual | | | | | FIELD | FIELD |
| P00010 | Temperature, water | deg C | | Actual | | | | | FIELD | FIELD |
| | Acceptable Range | -1.00000 - 50.00000 deg C | | | | | | | | |
| P00020 | Temperature, air | deg C | | Actual | | | | | FIELD | FIELD |
| P00076 | Turbidity | NTU | | Actual | | | | | LAB | LAB |
| P00077 | Depth, Secchi Disk Depth | in | | Actual | | | | | FIELD | FIELD |
| P00094 | Specific conductance | umho/cm | | Actual | | | | | FIELD | FIELD |
| P00095 | Specific conductance | umho/cm | | Actual | | | | | LAB | LAB |
| P00136 | Temperature, sample | deg C | | Actual | | | | | LAB | LAB |
| P00299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | FIELD | FIELD |
| P00301 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | FIELD | FIELD |
| P00310 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | LAB | LAB |
| P00400 | pH | None | | Actual | | | | | FIELD | FIELD |
| P00403 | pH | None | Total | Actual | | | | | LAB | LAB |
| P00410 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | LAB | LAB |
| P00415 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | FIELD | FIELD |
| P00530 | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | LAB | LAB |
| P00535 | Solids, Volatile | mg/l | Filterable | Actual | | | | | LAB | LAB |
| P00608 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | LAB | LAB |
| P00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | LAB | LAB |
| P00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | LAB | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P00631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00665 | Phosphorus as P | mg/l | Total | Actual | | | | | LAB | LAB |
| P00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00680 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | LAB | LAB |
| P00720 | Cyanide | mg/l | | Actual | | | | | LAB | LAB |
| P00745 | Sulfide | mg/l | | Actual | | | | | LAB | LAB |
| P00900 | Hardness, Ca + Mg | mg/l | | Calculated | | | | | LAB | LAB |
| P00915 | Calcium | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00916 | Calcium | mg/l | Total | Actual | | | | | LAB | LAB |
| P00917 | Calcium | mg/kg | Supernate | Actual | | | | | LAB | LAB |
| P00924 | Magnesium | mg/kg | Supernate | Actual | | | | | LAB | LAB |
| P00925 | Magnesium | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00927 | Magnesium | mg/l | Total | Actual | | | | | LAB | LAB |
| P00929 | Sodium | mg/l | Total | Actual | | | | | LAB | LAB |
| P00930 | Sodium | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00934 | Sodium | mg/kg | Supernate | Actual | | | | | LAB | LAB |
| P00935 | Potassium | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00937 | Potassium | mg/l | Total | Actual | | | | | LAB | LAB |
| P00940 | Chloride | mg/l | Total | Actual | | | | | LAB | LAB |
| P00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | LAB | LAB |
| P00950 | Fluorides | mg/l | Dissolved | Actual | | | | | LAB | LAB |
| P00951 | Fluorides | mg/l | Total | Actual | | | | | LAB | LAB |
| P01002 | Arsenic | ug/l | Total | Actual | | | | | LAB | LAB |
| P01005 | Barium | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01007 | Barium | ug/l | Total | Actual | | | | | LAB | LAB |
| P01010 | Beryllium | ug/l | Dissolved | Actual | | | | | LAB | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P01012 | Beryllium | ug/l | Total | Actual | | | | | LAB | LAB |
| P01013 | Beryllium | mg/kg | Supernate | Actual | | | | | LAB | LAB |
| P01020 | Boron | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01022 | Boron | ug/l | Total | Actual | | | | | LAB | LAB |
| P01023 | Boron | mg/kg | Supernate | Actual | | | | | LAB | LAB |
| P01025 | Cadmium | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01027 | Cadmium | ug/l | Total | Actual | | | | | LAB | LAB |
| P01030 | Chromium | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01034 | Chromium | ug/l | Total | Actual | | | | | LAB | LAB |
| P01035 | Cobalt | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01037 | Cobalt | ug/l | Total | Actual | | | | | LAB | LAB |
| P01038 | Cobalt | mg/kg | | Actual | | | | | LAB | LAB |
| P01040 | Copper | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01042 | Copper | ug/l | Total | Actual | | | | | LAB | LAB |
| P01045 | Iron | ug/l | Total | Actual | | | | | LAB | LAB |
| P01046 | Iron | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01049 | Lead | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01051 | Lead | ug/l | Total | Actual | | | | | LAB | LAB |
| P01055 | Manganese | ug/l | Total | Actual | | | | | LAB | LAB |
| P01056 | Manganese | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01059 | Thallium | ug/l | Total | Actual | | | | | LAB | LAB |
| P01065 | Nickel | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01067 | Nickel | ug/l | Total | Actual | | | | | LAB | LAB |
| P01075 | Silver | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01077 | Silver | ug/l | Total | Actual | | | | | LAB | LAB |
| P01080 | Strontium | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01082 | Strontium | ug/l | Total | Actual | | | | | LAB | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P01083 | Strontium | mg/kg | | Actual | | | | | LAB | LAB |
| P01085 | Vanadium | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01087 | Vanadium | ug/l | Total | Actual | | | | | LAB | LAB |
| P01088 | Vanadium | mg/kg | | Actual | | | | | LAB | LAB |
| P01090 | Zinc | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01092 | Zinc | ug/l | Total | Actual | | | | | LAB | LAB |
| P01097 | Antimony | ug/l | Total | Actual | | | | | LAB | LAB |
| P01105 | Aluminum | ug/l | Total | Actual | | | | | LAB | LAB |
| P01106 | Aluminum | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01108 | Aluminum | mg/kg | Total | Actual | | | | | LAB | LAB |
| P01145 | Selenium | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P01147 | Selenium | ug/l | Total | Actual | | | | | LAB | LAB |
| P30191 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | LAB | LAB |
| P30200 | Dichloropropionic acid, 2,2-***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | LAB | LAB |
| P30295 | Propachlor | ug/l | Total | Actual | | | | | LAB | LAB |
| P31616 | Fecal Coliform | #/100ml | | Actual | | | | | LAB | LAB |
| P32101 | Dichlorobromomethane | ug/l | | Actual | | | | | LAB | LAB |
| P32102 | Carbon tetrachloride | ug/l | Total | Actual | | | | | LAB | LAB |
| P32104 | Bromoform | ug/l | | Actual | | | | | LAB | LAB |
| P32105 | Chlorodibromomethane | ug/l | | Actual | | | | | LAB | LAB |
| P32106 | Chloroform | ug/l | | Actual | | | | | LAB | LAB |
| P32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | LAB | LAB |
| P32211 | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | LAB | LAB |
| P32212 | Chlorophyll-b | ug/l | Total | Actual | | | | | LAB | LAB |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P32214 | Chlorophyll-c | ug/l | Total | Actual | | | | | LAB | LAB |
| P32218 | Pheophytin-a | ug/l | Total | Actual | | | | | LAB | LAB |
| P32730 | Phenols (mixture) | ug/l | Total | Actual | | | | | LAB | LAB |
| P34200 | Acenaphthylene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34205 | Acenaphthene | ug/l | | Actual | | | | | LAB | LAB |
| P34220 | Anthracene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34230 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34242 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34247 | Benzo[a]pyrene | ug/l | | Actual | | | | | LAB | LAB |
| P34273 | bis(2-chloroethyl) ether | ug/l | | Actual | | | | | LAB | LAB |
| P34278 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | LAB | LAB |
| P34292 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | LAB | LAB |
| P34301 | Chlorobenzene | ug/l | | Actual | | | | | LAB | LAB |
| P34320 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | LAB | LAB |
| P34336 | Diethyl phthalate | ug/l | Total | Actual | | | | | LAB | LAB |
| P34341 | Dimethyl phthalate | ug/l | Total | Actual | | | | | LAB | LAB |
| P34376 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | LAB | LAB |
| P34381 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | LAB | LAB |
| P34386 | Hexachlorocyclopentadiene | ug/l | | Actual | | | | | LAB | LAB |
| P34391 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34396 | Hexachloroethane | ug/l | | Actual | | | | | LAB | LAB |
| P34403 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34408 | Isophorone | ug/l | | Actual | | | | | LAB | LAB |
| P34423 | Dichloromethane | ug/l | Total | Actual | | | | | LAB | LAB |
| P34428 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | LAB | LAB |
| P34447 | nitro-Benzene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34452 | 4-Chloro-3-methylphenol | ug/l | | Actual | | | | | LAB | LAB |

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IL_EPA

Illinois EPA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P34461 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | LAB | LAB |
| P34469 | Pyrene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34475 | Tetrachloroethylene | ug/l | | Actual | | | | | LAB | LAB |
| P34496 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | LAB | LAB |
| P34501 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34506 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | LAB | LAB |
| P34521 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34526 | Benzo[a]anthracene | ug/l | | Actual | | | | | LAB | LAB |
| P34531 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | LAB | LAB |
| P34536 | 1,2-Dichlorobenzene | ug/l | | Actual | | | | | LAB | LAB |
| P34546 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | LAB | LAB |
| P34551 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34556 | Dibenzo[a,h]anthracene | ug/l | | Actual | | | | | LAB | LAB |
| P34566 | 1,3-Dichlorobenzene | ug/l | | Actual | | | | | LAB | LAB |
| P34571 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34581 | Chloronaphthalene-2 | ug/l | | Actual | | | | | LAB | LAB |
| P34586 | Chlorophenol-2 | ug/l | | Actual | | | | | LAB | LAB |
| P34591 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | LAB | LAB |
| P34596 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | LAB | LAB |
| P34601 | 2,4-Dichlorophenol | ug/l | | Actual | | | | | LAB | LAB |
| P34606 | 2,4-Dimethylphenol | ug/l | | Actual | | | | | LAB | LAB |
| P34611 | 2,4-Dinitrotoluene | ug/l | | Actual | | | | | LAB | LAB |
| P34616 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | LAB | LAB |
| P34621 | 2,4,6-Trichlorophenol (TCPPh) | ug/l | Total | Actual | | | | | LAB | LAB |
| P34626 | 2,6-Dinitrotoluene | ug/l | | Actual | | | | | LAB | LAB |
| P34631 | Dichlorobenzidine, 3,3'- | ug/l | | Actual | | | | | LAB | LAB |
| P34636 | Bromophenyl-4 phenyl ether | ug/l | | Actual | | | | | LAB | LAB |

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| IL_EPA | Illinois EPA | | | | | | | | | |
|--------|-------------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| P34641 | Chlorophenyl-4 phenyl ether | ug/l | | Actual | | | | | LAB | LAB |
| P34646 | p-Nitrophenol | ug/l | | Actual | | | | | LAB | LAB |
| P34694 | Phenol | ug/l | | Actual | | | | | LAB | LAB |
| P34696 | Naphthalene | ug/l | Total | Actual | | | | | LAB | LAB |
| P34716 | Dichlorobenzene isomers | ug/l | Total | Actual | | | | | LAB | LAB |
| P38442 | Dicamba | ug/l | | Actual | | | | | LAB | LAB |
| P38923 | Metolachlor | ug/kg | | Actual | | | | | LAB | LAB |
| P39032 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39033 | Atrazine | ug/l | Total | Actual | | | | | LAB | LAB |
| P39055 | Simazine | ug/l | | Actual | | | | | LAB | LAB |
| P39076 | BHC-alpha | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39100 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39107 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Suspended | Actual | | | | | LAB | LAB |
| P39110 | Dibutyl phthalate | ug/l | Total | Actual | | | | | LAB | LAB |
| P39180 | Trichloroethylene | ug/l | | Actual | | | | | LAB | LAB |
| P39300 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39301 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39310 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | LAB | LAB |
| P39311 | DDD ***retired*** (use DDD, p,p') | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39320 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39321 | DDE ***retired*** (use DDE, p,p'-) | ug/kg | Total | Actual | | | | | LAB | LAB |

Characteristic Group Details

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IL_EPA

Illinois EPA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P39330 | Aldrin | ug/l | Total | Actual | | | | | LAB | LAB |
| P39333 | Aldrin | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39337 | BHC-alpha | ug/l | Total | Actual | | | | | LAB | LAB |
| P39340 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39343 | BHC-gamma (Lindane) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39348 | Chlordane, cis | ug/l | Total | Actual | | | | | LAB | LAB |
| P39350 | Chlordane | ug/l | Total | Actual | | | | | LAB | LAB |
| P39356 | Metolachlor | ug/l | | Actual | | | | | LAB | LAB |
| P39359 | DDT ***retired*** (use DDT, p,p'-) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39370 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39380 | Dieldrin | ug/l | | Actual | | | | | LAB | LAB |
| P39383 | Dieldrin | ug/kg | | Actual | | | | | LAB | LAB |
| P39390 | Endrin | ug/l | | Actual | | | | | LAB | LAB |
| P39393 | Endrin | ug/kg | | Actual | | | | | LAB | LAB |
| P39400 | Toxaphene | ug/l | | Actual | | | | | LAB | LAB |
| P39410 | Heptachlor | ug/l | | Actual | | | | | LAB | LAB |
| P39413 | Heptachlor | ug/kg | | Actual | | | | | LAB | LAB |
| P39420 | Heptachlor epoxide | ug/l | | Actual | | | | | LAB | LAB |
| P39423 | Heptachlor epoxide | ug/kg | | Actual | | | | | LAB | LAB |
| P39480 | Methoxychlor | ug/l | | Actual | | | | | LAB | LAB |
| P39481 | Methoxychlor | ug/kg | | Actual | | | | | LAB | LAB |
| P39516 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Total | Actual | | | | | LAB | LAB |
| P39519 | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39530 | Malathion | ug/l | | Actual | | | | | LAB | LAB |

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| IL_EPA | Illinois EPA | | | | | | | | | |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| P39570 | Diazinon | ug/l | | Actual | | | | | LAB | LAB |
| P39600 | Methyl parathion | ug/l | Total | Actual | | | | | LAB | LAB |
| P39630 | Atrazine | ug/l | Total | Actual | | | | | LAB | LAB |
| P39631 | Atrazine | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39640 | Captan | ug/l | | Actual | | | | | LAB | LAB |
| P39700 | Hexachlorobenzene | ug/l | Total | Actual | | | | | LAB | LAB |
| P39701 | Hexachlorobenzene | ug/kg | Total | Actual | | | | | LAB | LAB |
| P39720 | Picloram | ug/l | | Actual | | | | | LAB | LAB |
| P39730 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | LAB | LAB |
| P39760 | Silvex | ug/l | | Actual | | | | | LAB | LAB |
| P39770 | Dacthal | ug/l | | Actual | | | | | LAB | LAB |
| P39810 | Chlordane, trans | ug/l | Total | Actual | | | | | LAB | LAB |
| P46313 | Phorate | ug/l | Total | Actual | | | | | LAB | LAB |
| P49196 | Captan | ug/kg | | Actual | | | | | LAB | LAB |
| P49259 | Acetochlor | ug/l | | Actual | | | | | LAB | LAB |
| P70017 | Hexachlorocyclopentadiene | ug/l | | Actual | | | | | LAB | LAB |
| P70300 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | LAB | LAB |
| P70508 | Acidity as CaCO3 | mg/l | | Actual | | | | | LAB | LAB |
| P71890 | Mercury | ug/l | Dissolved | Actual | | | | | LAB | LAB |
| P71900 | Mercury | ug/l | Total | Actual | | | | | LAB | LAB |
| P72025 | Depth, bottom | ft | | Actual | | | | | FIELD | FIELD |
| P77093 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | | Actual | | | | | LAB | LAB |
| P77416 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | LAB | LAB |
| P77687 | Trichlorophenol, 2,4,5- | ug/l | | Actual | | | | | LAB | LAB |
| P77825 | Alachlor | ug/l | Total | Actual | | | | | LAB | LAB |

Characteristic Group Details

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IL_EPA

Illinois EPA

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| P77860 | Butachlor | ug/l | | Actual | | | | | LAB | LAB |
| P77903 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | LAB | LAB |
| P78113 | Ethylbenzene | ug/l | | Actual | | | | | LAB | LAB |
| P78124 | Benzene | ug/l | | Actual | | | | | LAB | LAB |
| P78131 | Toluene | ug/l | | Actual | | | | | LAB | LAB |
| P78300 | m-Nitroaniline | ug/l | Total | Actual | | | | | LAB | LAB |
| P79190 | Pendimethalin | ug/l | Total | Actual | | | | | LAB | LAB |
| P79193 | Acifluorfen, sodium salt | ug/l | Total | Actual | | | | | LAB | LAB |
| P80082 | BOD, carbonaceous | mg/l | | Actual | | | | | LAB | LAB |
| P81284 | Trifluralin | ug/l | Total | Actual | | | | | LAB | LAB |
| P81294 | Fonofos | ug/l | Total | Actual | | | | | LAB | LAB |
| P81302 | Dibenzofuran | ug/l | | Actual | | | | | LAB | LAB |
| P81403 | Chloropyrifos | ug/l | | Actual | | | | | LAB | LAB |
| P81407 | Alachlor | ug/kg | Total | Actual | | | | | LAB | LAB |
| P81408 | Metribuzin | ug/l | | Actual | | | | | LAB | LAB |
| P81409 | Metribuzin | ug/kg | | Actual | | | | | LAB | LAB |
| P81410 | Butylate | ug/l | | Actual | | | | | LAB | LAB |
| P81551 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | LAB | LAB |
| P81618 | Trifluralin | ug/kg | Total | Actual | | | | | LAB | LAB |
| P81757 | Cyanazine | ug/l | | Actual | | | | | LAB | LAB |
| P81894 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Total | Actual | | | | | LAB | LAB |
| P82078 | Turbidity | NTU | | Actual | | | | | FIELD | FIELD |
| P82088 | Terbufos | ug/l | | Actual | | | | | LAB | LAB |
| P82409 | Pendimethalin | ug/kg | Total | Actual | | | | | LAB | LAB |
| P82543 | Cyanazine | ug/kg | | Actual | | | | | LAB | LAB |

Characteristic Group Details

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IOWATER

Iowa Volunteer Water Monitoring Program

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHEMPHYS | Chemical/Physical Assessment | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AIRTEMP | Temperature, air | deg F | | Actual | | | | | CHEMPHYS | |
| CHLOR | Chloride | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 25.00000 - 600.00000 mg/l | | | | | | | | |
| COLRODOR | Water appearance (text) | | | | | | | | CHEMPHYS | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | CHEMPHYS | |
| FLOW | Flow | m3/sec | | Actual | | | | | CHEMPHYS | |
| H2OTEMP | Temperature, water | deg F | | Actual | | | | | CHEMPHYS | |
| NITRATE | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | CHEMPHYS | |
| NITRITE | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | CHEMPHYS | |
| PH | pH | None | Total | Actual | | | | | CHEMPHYS | |
| PO | Phosphate | mg/l | Total | Actual | | | | | CHEMPHYS | |
| PRECIP | Precipitation | in | | Actual | | | 24 Hours | | CHEMPHYS | |
| SW | Stream width measure | m | | Actual | | | | | CHEMPHYS | |
| TRANSP | Transparency, tube with disk | cm | | Actual | | | | | CHEMPHYS | |
| WEATHER | Weather Comments (text) | | | | | | | | CHEMPHYS | |

Characteristic Group Details

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KWMNDATA Keystone Watershed Monitoring Network (Pennsylvania)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| BACTERIA | Bacteria Testing for CIP | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Bacteria Mix, Unspecified | #/ml | | Actual | | | | | | |
| | Escherichia coli | #/ml | | Actual | | | | | | |
| | Total Coliform | #/ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CIPSEC | CIPSEC Chemical Parameters | Field Msr/Obs | Water | | | | N |

Citations Schuylkill Center for Env. Ed., Env. Alliance for Senior Involvement, and the DEP Citizens' Volunteer Monitoring Program, 2001, Pennsylvania Volunteer Water Quality Manual, Environmental Alliance for Senior Involvement, 1-76

Description Center in the Park Senior Environment Corps tests for pH, phosphate, nitrate, dissolved oxygen, sulfate, alkalinity, conductivity, and temperature. They use Hach Test Kits, pH meter, conductivity meter, Lamotte TesTabs, colorimeter, and digital titrator.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | pH | None | | Actual | | | | | HACH POCKET PAL | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| 002 | pH | None | | Actual | | | | | LAMOTTE 6459 | |
| | Acceptable Range | 4.00000 - 10.00000 | None | | | | | | | |
| 003 | Specific conductance | uS/cm | | Actual | | | | | COND. METER | |
| | Acceptable Range | 0.00000 - 1,990.00000 | uS/cm | | | | | | | |
| 004 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | HACH ALKALINITY | |
| | Acceptable Range | 5.00000 - 400.00000 | mg/l | | | | | | | |
| 005 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | TITRATOR | |
| | Acceptable Range | 10.00000 - 4,000.00000 | mg/l | | | | | | | |
| 006 | Temperature, water | deg C | | Actual | | | | | THERMOMETE R | |

Characteristic Group Details

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KWMNDATA Keystone Watershed Monitoring Network (Pennsylvania)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 007 | Dissolved oxygen (DO) Acceptable Range | mg/l 0.20000 - 20.00000 mg/l | Dissolved | Actual | | | | | HACH DO KIT | |
| 008 | Dissolved oxygen (DO) Acceptable Range | mg/l 1.00000 - 10.00000 mg/l | Dissolved | Actual | | | | | TITRATOR | |
| 009 | Dissolved oxygen (DO) Acceptable Range | ppm 0.00000 - 8.00000 ppm | Dissolved | Actual | | | | | LAMOTTE 3976 | |
| 010 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l 50.00000 - 200.00000 mg/l | | Actual | | | | | HACH S04 KIT | |
| 011 | Sulfur, sulfate (SO4) as SO4 Acceptable Range | mg/l 0.00000 - 70.00000 mg/l | | Actual | | | | | HACH COLORIMETE | |
| 012 | Nitrogen, Nitrate (NO3) as NO3 Acceptable Range | mg/l 0.00000 - 44.00000 mg/l | | Actual | | | | | HACH NO3 KIT | |
| 013 | Nitrogen, Nitrate (NO3) as N Acceptable Range | mg/l 0.00000 - 30.00000 mg/l | Total | Actual | | | | | HACH COLORIMETE | |
| 014 | Nitrogen, Nitrate (NO3) as NO3 Acceptable Range | ppm 5.00000 - 40.00000 ppm | | Actual | | | | | LAMOTTE 3703 | |
| 015 | Phosphate Acceptable Range | mg/l 0.00000 - 50.00000 mg/l | | Actual | | | | | HACH PO4 KIT | |
| 016 | Phosphate Acceptable Range | mg/l 0.00000 - 2.50000 mg/l | | Actual | | | | | HACH COLORIMETE | |
| 017 | Phosphate Acceptable Range | ppm 1.00000 - 4.00000 ppm | | Actual | | | | | LAMOTTE 5422 | |
| 018 | Temperature, water | deg C | | Actual | | | | | LAMOTTE THERM | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| DRNCHEM | DRN Chemical Parameters | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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KWMNDATA

Keystone Watershed Monitoring Network (Pennsylvania)

Description Delaware Riverkeeper Network Chemical Parameters, including pH, nitrate-nitrogen, ortho-phosphate, and dissolved oxygen

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | pH | None | | Actual | | | | | LAMOTTE 2117 | |
| | Acceptable Range | 3.00000 - 10.00000 | None | | | | | | | |
| 002 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | LAMOTTE 3354 | |
| | Acceptable Range | 0.00000 - 15.00000 | mg/l | | | | | | | |
| 003 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | LAMOTTE 3119 | |
| | Acceptable Range | 0.20000 - 1.00000 | mg/l | | | | | | | |
| 004 | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | | | | | LAMOTTE 5860 | |
| | Acceptable Range | 0.00000 - 10.00000 | mg/l | | | | | | | |
| 005 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | LAMOTTE 3119 N | |
| | Acceptable Range | 0.20000 - 1.00000 | mg/l | | | | | | | |
| 006 | Temperature, water | deg C | | Actual | | | | | LAMOTTE 1066 | |
| | Acceptable Range | 0.00000 - 45.00000 | deg C | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| DRNCHEM2 | DE Riverkeeper Chemical 2 | Field Msr/Obs | Water | | | | N |

Description DRN Chemical testing including DO, Water Temperature, pH, Nitrate-Nitrogen, Nitrate, Ortho-Phosphate

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | pH | None | | Actual | | | | | LAMOTTE 2117 | |
| | Acceptable Range | 3.00000 - 10.00000 | None | | | | | | | |
| 002 | Temperature, water | deg C | | Actual | | | | | LAMOTTE 1066 | |
| | Acceptable Range | 0.00000 - 45.00000 | deg C | | | | | | | |
| 003 | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | LAMOTTE 3119 N | |
| | Acceptable Range | 0.20000 - 1.00000 | mg/l | | | | | | | |
| 004 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | LAMOTTE 3354 | |

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KWMNDATA Keystone Watershed Monitoring Network (Pennsylvania)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| 005 | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | LAMOTTE | 3119 |
| | Acceptable Range | 0.20000 - 1.00000 mg/l | | | | | | | | |
| 006 | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | LAMOTTE | 5860 |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 007 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Minimum | | | | LAMOTTE | 5860 |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 008 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | LAMOTTE | 5860 |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|---|--------|--------|-----------|--------------|---------|
| MCWACHEM | MCWA Chemical Parameters | Field Msr/Obs | Water | | | | N |
| | Description | Testing for Temperature, pH, Nitrate-Nitrogen, and Dissolved Oxygen | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | pH | None | | Actual | | | | | PH STRIPS | |
| | Acceptable Range | 3.00000 - 10.00000 None | | | | | | | | |
| 002 | Nitrogen, Nitrate (NO3) as NO3 | ppm | | Calculated | Mean | | | | LAMOTTE | 3354 |
| | Acceptable Range | 0.00000 - 15.00000 ppm | | | | | | | | |
| 003 | Dissolved oxygen (DO) | ppm | Dissolved | Calculated | Mean | | | | LAMOTTE | 5860 |
| | Acceptable Range | 0.00000 - 10.00000 ppm | | | | | | | | |
| 004 | Temperature, water | deg C | | Actual | | | | | LAMOTTE | 1066 |
| | Acceptable Range | 0.00000 - 45.00000 deg C | | | | | | | | |
| 005 | Turbidity | JTU | | Actual | | | | | TURBIDITY | |
| | Acceptable Range | 0.00000 - 200.00000 JTU | | | | | | | | |
| 006 | Dissolved oxygen (DO) | ppm | Dissolved | Actual | Minimum | | | | LAMOTTE | 5860 |
| | Acceptable Range | 0.00000 - 10.00000 ppm | | | | | | | | |

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KWMNDATA Keystone Watershed Monitoring Network (Pennsylvania)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 007 | Dissolved oxygen (DO) Acceptable Range | ppm | Dissolved | Actual | Maximum | | | | LAMOTTE 5860 | |
| | | 0.00000 - 10.00000 ppm | | | | | | | | |
| 008 | Dissolved oxygen (DO) Acceptable Range | ppm | Dissolved | Actual | | | | | LAMOTTE 5860 | |
| | | 0.00000 - 10.00000 ppm | | | | | | | | |
| 009 | Depth | m | | Calculated | Mean | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| MSLAKE | Mountain Springs Lake | Field Msr/Obs | Water | | | | N |

Description Total Phosphorus, Chlorophyll A, ph, Dissolved Oxygen, secchi, temperature

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Phosphorus | mg/l | | Actual | | | | | | |
| 002 | pH | None | | Actual | | | | | | |
| 003 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | Mean | | | | | |
| 004 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 005 | Dissolved oxygen (DO) | ppm | Dissolved | Actual | | | | | | |
| 006 | Temperature, water | deg C | | Actual | | | | | | |
| 007 | Turbidity severity (choice list) | | | | | | | | | |
| 008 | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | TOTAL N | |
| 008 | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | | |
| 009 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | ALKALINITY | |
| 010 | Chlorophyll a, corrected for | mg/l | | Actual | | | | | CHLOROPHYL | |

Characteristic Group Details

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KWMNDATA Keystone Watershed Monitoring Network (Pennsylvania)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pheophytin | | | | | | | | L A | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--|----------------|--------|--------|-----------|--------------|---------|
| WEATHER | Weather Conditions | Field Msr/Obs | Air | | | | N |
| | Description This group measures the weather conditions. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 0001 | Temperature, air | deg C | | Actual | | | | | | |
| 0002 | Weather Comments (text) | | | Actual | | | | | | |
| 0003 | Precipitation | in | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 75.00000 in | | | | | | | | |
| 0004 | Temperature, air | deg C | | Actual | | | | | LAMOTTE THERM | |

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City of Lakeland (Florida)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD OB | Water Quality Field analysis | Field Msr/Obs | Water | | | | N |
| Description Field measurements include DO, pH, Temp, Cond, Secchi | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | OXYGEN | |
| PH | pH | None | Total | Actual | | | | | 4500-H | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | Maximum | Wet | | | SECCHI | |
| TEMP | Temperature, water | deg C | | Actual | Maximum | Wet | | | TEMP | |
| TURB | Turbidity | NTU | Total | Actual | Maximum | | | | TURB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| HW WQ | HW Water Quality Stations | Sample | Water | | | | N |
| Description Water Quality sample stations in Lake Hollingsworth. | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AL | Aluminum | ug/l | Total | Actual | | | | | 3111-D | |
| | Acceptable Range | 20.00000 - 2,000.00000 ug/l | | | | | | | | |
| ALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| CA | Calcium | mg/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 0.20000 - 20.00000 mg/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 0.50000 - 10.00000 ug/l | | | | | | | | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | CHLA - 4.3.1 | |
| COLOR | Color, True | PCU | | Actual | | | | | 2120-C | |
| CR | Chromium | ug/l | Total | Actual | | | | | 3113-B | |
| | Acceptable Range | 5.00000 - 100.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CU | Copper | ug/l | Total | Actual | | | | | 3111-B | 3113 B |
| | Acceptable Range | 10.00000 - 800.00000 ug/l | | | | | | | | |
| FE | Iron | ug/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 30.00000 - 10,000.00000 ug/l | | | | | | | | |
| F_COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | 9222-D |
| HARDNES | Hardness, carbonate | mg/l | | Actual | | | | | 130.2 | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 0.02000 - 2.00000 mg/l | | | | | | | | |
| NH3_N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| NH3_UNIO | Ammonia, unionized | mg/l | Total | Actual | | | | | AMMONIA UN-ION | |
| NO3NO2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| ORT_P | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | 365.1 | |
| PB | Lead | ug/l | Total | Actual | | | | | 3113-B | |
| | Acceptable Range | 5.00000 - 100.00000 ug/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 4500-NH3(G) | |
| TN | Nitrogen ion (N) | mg/l | Total | Actual | | | | | NITROGEN | |
| TP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | |
| T_COLI | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | 9222-B |
| ZN | Zinc | ug/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 50.00000 - 2,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| HW WQ F | HW Water Quality Field Data | Field Msr/Obs | Water | | | | N |

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City of Lakeland (Florida)

Description Field data collected during monthly water quality sampling

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | OXYGEN | |
| PH | pH | None | Total | Actual | | | | | 4500-H | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | Wet | | | SECCHI | |
| TEMP | Temperature, water | deg C | | Actual | | Wet | | | TEMP | |
| TURB | Turbidity | NTU | Total | Actual | | | | | TURB | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------|---|--------|--------|-----------|--------------|---------|
| HWBACT | HW Bacteria Sampling | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |
| Description | | BActerial sampling of 7 stations on Hollingsworth | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| F_COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | 9222-B |
| | Acceptable Range | 0.00000 - 800.00000 #/100ml | | | | | | | | |
| T_COLI | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | 9222-B |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------|--|------------|-----------------|----------------------------|-------------------------------|---------|
| HWMI | Macroinvertebrate | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | | USEPA, Donald J. Klemm, Philip A. Lewis, Florence Fulk, and James M. Lazorchak, 1990, Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters, USEPA, Environmental Monitoring Systems Laboratory- Cincinnati, Office of Research and Development, 600/4-90/030 | | | | | |
| Description | | Macroinvertebrates analysis on city lakes | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 12 | Cryptochiridae | | #/m2 | Actual | | | | |
| BRAN SOW | Branchiura sowerbyi | | #/m2 | Actual | | | | |
| CAENIS | Caenis diminuta | | #/m2 | Actual | | | | |
| CEOL CON | Coelotanypus concinnus | | #/m2 | Actual | | | | |
| CEOL SCA | Coelotanypus scapularis | | #/m2 | Actual | | | | |
| CHAOB | Chaoborus punctipennis | | #/m2 | Actual | | | | |
| CLADO | Cladotanytarsus | | #/m2 | Actual | | | | |
| CRASS | Chironomus crassicaudatus | | #/m2 | Actual | | | | |
| CRYPTO | Cryptochironomus | | #/m2 | Actual | | | | |
| DERO | Dero digitata | | #/m2 | Actual | | | | |
| DICROTEN | Dicrotendipes | | #/m2 | Actual | | | | |
| EINFELD | Einfeldia natchitocheae | | #/m2 | Actual | | | | |
| GLYP PA | Glyptotendipes paripes | | #/m2 | Actual | | | | |
| GOEL CA | Goeldichironomus carus | | #/m2 | Actual | | | | |
| GOELDO | Goeldichironomus | | #/m2 | Actual | | | | |
| L HOFF | Limnodrilus hoffmeisteri | | #/m2 | Actual | | | | |
| MELANOID | Melanoides tuberculatus | | #/m2 | Actual | | | | |
| NAIS COM | Nais communis | | #/m2 | Actual | | | | |
| NIAS VAR | Nais variabilis | | #/m2 | Actual | | | | |
| POLYPED | Polypedilum halterale | | #/m2 | Actual | | | | |
| PRIST_SY | Pristina synclites | | #/m2 | Actual | | | | |
| PROCLAD | Procladius bellus | | #/m2 | Actual | | | | |
| STIG | Chironomus stigmaterus | | #/m2 | Actual | | | | |
| TANYTARS | Tanytarsus | | #/m2 | Actual | | | | |

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City of Lakeland (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| VIVIP | Viviparus georgianus | | #/m2 | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|------------|-----------------|---------------------------|-------------------------------|---------|
| HWPHY | Hollingsworth Phytoplankton | Sample | Biological | Taxon Abundance | Phytoplankton/Zooplankton | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Achnanthes | | #/ml | Actual | | | | |
| 10 | Tetraedron caudatum | | #/ml | Actual | | | | |
| 11 | Scenedesmus quadricauda | | #/ml | Actual | | | | |
| 12 | Cryptomonas erosa | | #/ml | Actual | | | | |
| 13 | Cylindrospermopsis | | #/ml | Actual | | | | |
| 14 | Aphanocapsa | | #/ml | Actual | | | | |
| 15 | Aphanothece | | #/ml | Actual | | | | |
| 16 | Chroococcus | | #/ml | Actual | | | | |
| 17 | Lyngbya contorta | | #/ml | Actual | | | | |
| 18 | Lyngbya limnetica | | #/ml | Actual | | | | |
| 19 | Lyngbya lagerheimia | | #/ml | Actual | | | | |
| 2 | Fragilaria capucina | | #/ml | Actual | | | | |
| 20 | Merismopedia | | #/ml | Actual | | | | |
| 21 | Oscillatoria | | #/ml | Actual | | | | |
| 22 | Gomphosphaeria | | #/ml | Actual | | | | |
| 23 | Microcystis aeruginosa | | #/ml | Actual | | | | |
| 24 | Lyngbya | | #/ml | Actual | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 25 | Synedra ulna radians | | #/ml | Actual | | | | |
| 26 | Synedra | | #/ml | Actual | | | | |
| 27 | Synedra ulna var. splendens | | #/ml | Actual | | | | |
| 28 | Navicula | | #/ml | Actual | | | | |
| 29 | Nitzschia | | #/ml | Actual | | | | |
| 3 | Fragilaria construens | | #/ml | Actual | | | | |
| 30 | Chlamydomonas | | #/ml | Actual | | | | |
| 31 | Coelastrum microporum | | #/ml | Actual | | | | |
| 32 | Cosmarium | | #/ml | Actual | | | | |
| 33 | Golenkinia radiata | | #/ml | Actual | | | | |
| 34 | Pediastrum duplex | | #/ml | Actual | | | | |
| 35 | Pediastrum tetras | | #/ml | Actual | | | | |
| 36 | Scenedesmus | | #/ml | Actual | | | | |
| 37 | Scenedesmus bijuga | | #/ml | Actual | | | | |
| 38 | Selanastrum | | #/ml | Actual | | | | |
| 39 | Selanastrum gracile | | #/ml | Actual | | | | |
| 4 | Ankistrodesmus falcatus | | #/ml | Actual | | | | |
| 40 | Staurastrum | | #/ml | Actual | | | | |
| 41 | Tetraedron minimum | | #/ml | Actual | | | | |
| 42 | Dactylococcopsis | | #/ml | Actual | | | | |
| 43 | Microcystis | | #/ml | Actual | | | | |
| 44 | Gymnodinium | | #/ml | Actual | | | | |
| 45 | Peridinium | | #/ml | Actual | | | | |
| 46 | Scenedesmus bernardii | | #/ml | Actual | | | | |

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City of Lakeland (Florida)

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 5 | Ankistrodesmus convolutus | | #/ml | Actual | | | | |
| 6 | Oocystis parva | | #/ml | Actual | | | | |
| 7 | Scenedesmus abundans | | #/ml | Actual | | | | |
| 8 | Scenedesmus dimorphus | | #/ml | Actual | | | | |
| 9 | Scenedesmus denticulatus | | #/ml | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| WQ | Quarterly Water Quality monito | Sample | Water | | | | N |

Description water quality sampling in 17 city lakes.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AL | Aluminum | ug/l | Total | Actual | | | | | 3111-D | |
| | Acceptable Range | 20.00000 - 100.00000 ug/l | | | | | | | | |
| CA | Calcium | mg/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 1.00000 - 25.00000 mg/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 0.20000 - 2.00000 ug/l | | | | | | | | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | CHLA - 4.3.1 | |
| | Acceptable Range | 1.00000 - 200.00000 ug/l | | | | | | | | |
| COLOR | Color, True | PCU | Total | Actual | | Wet | | | 2120-C | |
| | Acceptable Range | 1.00000 - 500.00000 PCU | | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 3113-B | |
| | Acceptable Range | 1.00000 - 20.00000 ug/l | | | | | | | | |
| CU | Copper | ug/l | Total | Actual | | | | | 3111-B | 3113 B |
| | Acceptable Range | 10.00000 - 800.00000 ug/l | | | | | | | | |
| FE | Iron | ug/l | Total | Actual | | | | | 3111-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 20.00000 - 800.00000 ug/l | | | | | | | | |
| F_COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | 9222-D |
| | Acceptable Range | 1.00000 - 100.00000 #/100ml | | | | | | | | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 1.00000 - 10.00000 mg/l | | | | | | | | |
| NH3_N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.25000 - 20.00000 mg/l | | | | | | | | |
| NO3NO2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.10000 - 10.00000 mg/l | | | | | | | | |
| ORT_P | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.50000 - 10.00000 mg/l | | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 3113-B | |
| | Acceptable Range | 1.00000 - 20.00000 ug/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | 2540-C | 2120 C |
| | Acceptable Range | 1.00000 - 1,000.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 4500-NH3(G) | |
| | Acceptable Range | 0.50000 - 10.00000 mg/l | | | | | | | | |
| TN | Nitrogen ion (N) | mg/l | Total | Actual | | | | | NITROGEN | |
| TP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.50000 - 20.00000 mg/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-D | |
| | Acceptable Range | 1.00000 - 1,000.00000 mg/l | | | | | | | | |
| T_ALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| | Acceptable Range | 10.00000 - 300.00000 mg/l | | | | | | | | |
| T_COLI | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | 9222-B |
| | Acceptable Range | 1.00000 - 100.00000 #/100ml | | | | | | | | |
| ZN | Zinc | ug/l | Total | Actual | | | | | 3111-B | |
| | Acceptable Range | 10.00000 - 800.00000 ug/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|---------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|--------------------------|---------------|
| HMIBIO | HMI Benthic Macro Samples | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N | |
| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
| 127917 | Chironomidae | | #/m2 | Calculated | Mean | | | |
| 127994 | Tanypodinae | | #/m2 | Calculated | Mean | | | |
| 128010 | Coelotanypus | | #/m2 | Calculated | Mean | | | |
| 128457 | Orthoclaadiinae | | #/m2 | Calculated | Mean | | | |
| 129229 | Chironomini | | #/m2 | Calculated | Mean | | | |
| 129368 | Cryptochironomus | | #/m2 | Calculated | Mean | 7.3 | | |
| 155469 | Bryozoa | | #/m2 | Estimated | Mean | | | |
| 155470 | Ectoprocta | | #/m2 | Calculated | Mean | | | |
| 155823 | Membranipora | | #/m2 | Estimated | Mean | | | |
| 155827 | Membranipora tenuis | | count | Estimated | | | | |
| 204501 | Polydora cornuta | | #/m2 | Calculated | Mean | | | |
| 46861 | Porifera | | count | Calculated | | | | |
| 48738 | Cnidaria | | #/m2 | Calculated | Mean | | | |
| 48739 | Hydrozoa | | #/m2 | Calculated | Mean | | | |
| 51938 | Anthozoa | | #/m2 | Calculated | Mean | | | |
| 52749 | Diadumene leucolena | | #/m2 | Calculated | Mean | | | |
| 52766 | Haliplanella luciae | | #/m2 | Calculated | Mean | | | |
| 53964 | Turbellaria | | #/m2 | Calculated | Mean | | | |
| 54073 | Polycladida | | #/m2 | Calculated | Mean | | | |
| 54089 | Stylochus ellipticus | | #/m2 | Calculated | Mean | | | |
| 542121 | Edotia triloba | | #/m2 | Calculated | Mean | | | |
| 555698 | Podarkeopsis levifuscina | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 567846 | Macoma balthica | | #/m2 | Calculated | Mean | | | |
| 57411 | Nemertea | | #/m2 | Calculated | Mean | | | |
| 57429 | Carinoma tremaphoros | | #/m2 | Calculated | Mean | | | |
| 57477 | Micrura leidyi | | #/m2 | Calculated | Mean | | | |
| 59490 | Nematoda | | #/m2 | Calculated | Mean | | | |
| 64358 | Polychaeta | | #/m2 | Calculated | Mean | | | |
| 65266 | Eteone heteropoda | | #/m2 | Calculated | Mean | | | |
| 65870 | Nereididae | | #/m2 | Calculated | Mean | | | |
| 65917 | Nereis succinea | | #/m2 | Calculated | Mean | | | |
| 65918 | Neanthes succinea | | #/m2 | Calculated | Mean | | | |
| 65965 | Laeonereis culveri | | #/m2 | Calculated | Mean | | | |
| 66132 | Glycinde solitaria | | #/m2 | Calculated | Mean | | | |
| 66599 | Scoloplos fragilis | | #/m2 | Calculated | Mean | | | |
| 66781 | Spionidae | | #/m2 | Calculated | Mean | | | |
| 66801 | Polydora ligni | | #/m2 | Calculated | Mean | | | |
| 66861 | Scolecopides viridis | | #/m2 | Calculated | Mean | | | |
| 66937 | Paraprionospio pinnata | | #/m2 | Calculated | Mean | | | |
| 66939 | Streblospio benedicti | | #/m2 | Calculated | Mean | | | |
| 67413 | Capitellidae | | #/m2 | Calculated | Mean | | | |
| 67415 | Capitella capitata | | #/m2 | Calculated | Mean | | | |
| 67420 | Heteromastus filiformis | | #/m2 | Calculated | Mean | | | |
| 67709 | Pectinaria gouldi | | #/m2 | Calculated | Mean | | | |
| 67755 | Hobsonia florida | | #/m2 | Calculated | Mean | | | |
| 67757 | Hypaniola grayi (Archaic) | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 67762 | Melinna | | #/m2 | Calculated | Mean | | | |
| 68585 | Tubificidae | | #/m2 | Calculated | Mean | | | |
| 68588 | Peloscolex | | #/m2 | Calculated | Mean | | | |
| 68639 | Limnodrilus hoffmeisteri | | #/m2 | Calculated | Mean | | | |
| 68687 | Tubificoides | | #/m2 | Calculated | Mean | | | |
| 70494 | Hydrobia | | #/m2 | Calculated | Mean | | | |
| 70527 | Littoridinops | | #/m2 | Calculated | Mean | | | |
| 78156 | Nudibranchia | | #/m2 | Calculated | Mean | | | |
| 78439 | Doridella obscura | | #/m2 | Calculated | Mean | | | |
| 79118 | Bivalvia | | #/m2 | Calculated | Mean | | | |
| 79451 | Mytilidae | | #/m2 | Calculated | Mean | | | |
| 79561 | Ischadium recurvum | | #/m2 | Calculated | Mean | | | |
| 80959 | Mulinia lateralis | | #/m2 | Calculated | Mean | | | |
| 80962 | Rangia cuneata | | #/m2 | Calculated | Mean | | | |
| 81033 | Macoma | | #/m2 | Calculated | Mean | | | |
| 81054 | Macoma mitchelli | | #/m2 | Calculated | Mean | | | |
| 81332 | Congeria leucophaeta | | #/m2 | Calculated | Mean | | | |
| 81335 | Mytilopsis leucophaeata | | #/m2 | Calculated | Mean | | | |
| 81692 | Mya arenaria | | #/m2 | Calculated | Mean | | | |
| 85257 | Copepoda | | #/m2 | Calculated | Mean | | | |
| 89600 | Balanus | | #/m2 | Calculated | Mean | | | |
| 89622 | Balanus improvisus | | #/m2 | Calculated | Mean | | | |
| 89636 | Balanus subalbidus | | #/m2 | Calculated | Mean | | | |
| 89807 | Mysidacea | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 89855 | Mysida | | #/m2 | Calculated | Mean | | | |
| 89856 | Mysidae | | #/m2 | Calculated | Mean | | | |
| 90062 | Neomysis americana | | #/m2 | Calculated | Mean | | | |
| 90139 | Mysidopsis bigelowi | | #/m2 | Calculated | Mean | | | |
| 90790 | Leucon americanus | | #/m2 | Calculated | Mean | | | |
| 92120 | Isopoda | | #/m2 | Calculated | Mean | | | |
| 92149 | Cyathura polita | | #/m2 | Calculated | Mean | | | |
| 92347 | Cassinidea lunifrons | | #/m2 | Calculated | Mean | | | |
| 92348 | Cassinidea ovalis | | #/m2 | Calculated | Mean | | | |
| 92637 | Chiridotea | | #/m2 | Calculated | Mean | | | |
| 92638 | Chiridotea almyra | | #/m2 | Calculated | Mean | | | |
| 93294 | Amphipoda | | #/m2 | Calculated | Mean | | | |
| 93295 | Gammaridea | | #/m2 | Calculated | Mean | | | |
| 93486 | Leptocheirus plumulosus | | #/m2 | Calculated | Mean | | | |
| 93594 | Corophium lacustre | | #/m2 | Calculated | Mean | | | |
| 93745 | Gammaridae | | #/m2 | Calculated | Mean | | | |
| 93746 | Melitidae | | #/m2 | Calculated | Mean | | | |
| 93773 | Gammarus | | #/m2 | Calculated | Mean | | | |
| 93779 | Gammarus daiberi | | #/m2 | Calculated | Mean | | | |
| 93781 | Gammarus tigrinus | | #/m2 | Calculated | Mean | | | |
| 93782 | Gammarus palustris | | #/m2 | Calculated | Mean | | | |
| 93783 | Gammarus mucronatus | | #/m2 | Calculated | Mean | | | |
| 93812 | Melita nitida | | #/m2 | Calculated | Mean | | | |
| 94519 | Monoculodes | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 94539 | Monoculodes edwardsi | | #/m2 | Calculated | Mean | | | |
| 95599 | Decapoda | | #/m2 | Calculated | Mean | | | |
| 98748 | Xanthidae | | #/m2 | Calculated | Mean | | | |
| 98790 | Rhithropanopeus harrisi | | #/m2 | Calculated | Mean | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------------|---|----------|--------|-----------|--------------|---------|
| SEDCORE | Trace Metals/Core samples | Sample | Sediment | | | | N |
| Citations | | Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283 | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------------------|---|----------|--------|-----------|--------------|---------|
| SEDSURF | Trace Metals/Surficial samples | Sample | Sediment | | | | N |
| Citations | | Maryland Department of Natural Resources, 1980, Resource Monitoring Data Storage System Data Sheets Forms and Procedures, Maryland Department of Natural Resources Tidewater Administration Chesapeake Bay Research and Monitoring Division, Vol. 1 Pages 1 - 283 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CR | Chromium | ug/g | Total | Actual | | Ash-Free Dry | | 20 Deg C | 304 | |
| CU | Copper | ug/g | Total | Actual | | Ash-Free Dry | | 20 Deg C | 305 | |
| FE | Iron | % by wt | Total | Actual | | Ash-Free Dry | | 20 Deg C | 306 | |
| MN | Manganese | ug/g | Total | Actual | | Ash-Free Dry | | 20 Deg C | 307 | |
| NI | Nickel | ug/g | Total | Actual | | Ash-Free Dry | | 20 Deg C | 308 | |
| ZN | Zinc | ug/g | Total | Actual | | Ash-Free | | 20 Deg C | 309 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|

Dry

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Maryland Dept. of the Environment Toxics Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CGBR | Back River | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AISU | Aluminum | ug/l | Supernate | Actual | | | | | | |
| ALD | Aluminum | ug/l | Dissolved | Actual | | | | | 200.1 | |
| ALS | Aluminum | ug/l | Suspended | Actual | | | | | 200.1 | |
| ALT | Aluminum | ug/l | Total | Actual | | | | | 200.1 | |
| ASD | Arsenic | ug/l | Dissolved | Actual | | | | | 200.1 | |
| ASS | Arsenic | ug/l | Suspended | Actual | | | | | 200.1 | |
| ASSU | Arsenic | ug/l | Supernate | Actual | | | | | 200.1 | |
| AST | Arsenic | ug/l | Total | Actual | | | | | 200.1 | |
| CDD | Cadmium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CDS | Cadmium | ug/l | Suspended | Actual | | | | | 200.1 | |
| CDSU | Cadmium | ug/l | Supernate | Actual | | | | | 200.1 | |
| CDT | Cadmium | ug/l | Total | Actual | | | | | 200.1 | |
| CHLA | Chlorophyll a (probe) | ug/l | Dissolved | Actual | | | | | | |
| COD | Cobalt | ug/l | Dissolved | Actual | | | | | | |
| COS | Cobalt | ug/l | Suspended | Actual | | | | | | |
| COT | Cobalt | ug/l | Total | Actual | | | | | | |
| CRD | Chromium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CRS | Chromium | ug/l | Suspended | Actual | | | | | 200.1 | |
| CRSU | Chromium | ug/l | Supernate | Actual | | | | | 200.1 | |
| CRT | Chromium | ug/l | Total | Actual | | | | | 200.1 | |
| CUD | Copper | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CUS | Copper | ug/l | Suspended | Actual | | | | | 200.1 | |
| CUSU | Copper | ug/l | Supernate | Actual | | | | | 200.1 | |
| CUT | Copper | ug/l | Total | Actual | | | | | 200.1 | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | CARB-UM | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FED | Iron | ug/l | Dissolved | Actual | | | | | 200.1 | |
| FES | Iron | ug/l | Suspended | Actual | | | | | 200.1 | |
| FET | Iron | ug/l | Total | Actual | | | | | 200.1 | |
| HGD | Mercury | ng/l | Dissolved | Actual | | | | | 200.1 | |
| HGS | Mercury | ng/l | Suspended | Actual | | | | | 200.1 | |
| HGT | Mercury | ng/l | Total | Actual | | | | | 200.1 | |
| MND | Manganese | ug/l | Dissolved | Actual | | | | | 200.1 | |
| MNS | Manganese | ug/l | Suspended | Actual | | | | | 200.1 | |
| MNSU | Manganese | ug/l | Supernate | Actual | | | | | 200.1 | |
| MNT | Manganese | ug/l | Total | Actual | | | | | 200.1 | |
| NH4 | Nitrogen, ammonium (NH4) as NH4 | mg/l | Dissolved | Actual | | | | | | |
| NID | Nickel | ug/l | Dissolved | Actual | | | | | 200.1 | |
| NIS | Nickel | ug/l | Suspended | Actual | | | | | 200.1 | |
| NISU | Nickel | ug/l | Supernate | Actual | | | | | 200.1 | |
| NIT | Nickel | ug/l | Total | Actual | | | | | 200.1 | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | | |
| PAHD | Polycyclic aromatic hydrocarbons | ug/l | Dissolved | Actual | | | | | PAH-006 | |
| PAHS | Polycyclic aromatic hydrocarbons | ug/l | Suspended | Actual | | | | | PAH-006 | |
| PAHSU | Polycyclic aromatic hydrocarbons | ng/l | Supernate | Actual | | | | | PAH-006 | |
| PAHT | Polycyclic aromatic hydrocarbons | ug/l | Total | Actual | | | | | PAH-006 | |
| PBD | Lead | ug/l | Dissolved | Actual | | | | | 200.1 | |
| PBS | Lead | ug/l | Suspended | Actual | | | | | 200.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PBSU | Lead | ug/l | Supernate | Actual | | | | | 200.1 | |
| PBT | Lead | ug/l | Total | Actual | | | | | 200.1 | |
| PCBD | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Dissolved | Actual | | | | | PCB-003 | |
| PCBS | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Suspended | Actual | | | | | PCB-003 | |
| PCBSU | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ng/l | Supernate | Actual | | | | | PCB-003 | |
| PCBT | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Total | Actual | | | | | PCB-003 | |
| PIP | Phosphorus | mg/l | Suspended | Actual | | | | | | |
| PN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Suspended | Actual | | | | | NITR-UM | |
| PO4 | Phosphorus, orthophosphate as PO4 | mg/l | Dissolved | Actual | | | | | | |
| POC | Carbon, organic | mg/l | Suspended | Actual | | | | | CARB-UM | |
| PP | Phosphate | mg/l | Suspended | Actual | | | | | | |
| SED | Selenium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| SES | Selenium | ug/l | Suspended | Actual | | | | | 200.1 | |
| SESU | Selenium | ug/l | Supernate | Actual | | | | | 200.1 | |
| SET | Selenium | ug/l | Total | Actual | | | | | 200.1 | |
| SI | Silicon as Si | mg/l | Dissolved | Actual | | | | | | |
| SND | Tin | ug/l | Dissolved | Actual | | | | | 200.1 | |
| SNS | Tin | ug/l | Suspended | Actual | | | | | 200.1 | |
| SNT | Tin | ug/l | Total | Actual | | | | | 200.1 | |
| TDN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Dissolved | Actual | | | | | NITR-UM | |
| TDP | Phosphorus | mg/l | Dissolved | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | NITR-UM | |
| ZND | Zinc | ug/l | Dissolved | Actual | | | | | | |
| ZNS | Zinc | ug/l | Suspended | Actual | | | | | | |
| ZNSU | Zinc | ug/l | Supernate | Actual | | | | | | |
| ZNT | Zinc | ug/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| CGUW | UPPER WESTERN | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLA | Chlorophyll a (probe) | ug/l | Dissolved | Actual | | | | | | |
| DAS | Arsenic | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DCD | Cadmium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DCR | Chromium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DCU | Copper | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DHG | Mercury | ng/l | Dissolved | Actual | | | | | 200.1 | |
| DMN | Manganese | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DNI | Nickel | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | CARB-UM | |
| DPB | Lead | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DSE | Selenium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DSN | Tin | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DZN | Zinc | ug/l | Dissolved | Actual | | | | | 200.1 | |
| NH4 | Nitrogen, ammonium (NH4) as NH4 | mg/l | Dissolved | Actual | | | | | | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| PIP | Phosphorus | mg/l | Suspended | Actual | | | | | | |
| PN | Nitrogen ion (N) | mg/l | Suspended | Actual | | | | | | |
| PO4 | Phosphorus, phosphate (PO4) as PO4 | mg/l | Dissolved | Actual | | | | | | |
| POC | Carbon, organic | mg/l | Suspended | Actual | | | | | CARB-UM | |
| PP | Phosphate | mg/l | Suspended | Actual | | | | | | |
| SI | Silicon as Si | mg/l | Dissolved | Actual | | | | | | |
| TAS | Arsenic | ug/l | Total | Actual | | | | | 200.1 | |
| TCD | Cadmium | ug/l | Total | Actual | | | | | 200.1 | |
| TCR | Chromium | ug/l | Total | Actual | | | | | 200.1 | |
| TCU | Copper | ug/l | Total | Actual | | | | | 200.1 | |
| TDN | Nitrogen ion (N) | mg/l | Dissolved | Actual | | | | | | |
| TDP | Phosphorus | mg/l | Dissolved | Actual | | | | | | |
| THG | Mercury | ng/l | Total | Actual | | | | | 200.1 | |
| TMN | Manganese | ug/l | Total | Actual | | | | | 200.1 | |
| TNI | Nickel | ug/l | Total | Actual | | | | | 200.1 | |
| TPB | Lead | ug/l | Total | Actual | | | | | 200.1 | |
| TSE | Selenium | ug/l | Total | Actual | | | | | 200.1 | |
| TSN | Tin | ug/l | Total | Actual | | | | | 200.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | NITR-UM | |
| TZN | Zinc | ug/l | Total | Actual | | | | | 200.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| CHWQPRA | Charm | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AL | Aluminum | ug/l | Dissolved | Actual | | | | | 200.1 | |
| AS | Arsenic | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CD | Cadmium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CHLA | Chlorophyll a (probe) | ng/l | Dissolved | Actual | | | | | | |
| CO | Cobalt | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CR | Chromium | ug/l | Dissolved | Actual | | | | | 200.1 | |
| CU | Copper | ug/l | Dissolved | Actual | | | | | 200.1 | |
| DEPTH | Depth | m | | Estimated | | | | | | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | CARB-UM | |
| FE | Iron | ug/l | Dissolved | Actual | | | | | 200.1 | |
| HG* | Mercury | ug/l | Dissolved | Actual | | | | | 1631 | |
| MN | Manganese | ug/l | Dissolved | Actual | | | | | 200.1 | |
| NH4 | Nitrogen, ammonium (NH4) as NH4 | mg/l | Dissolved | Actual | | | | | NITR-UM | |
| NI | Nickel | ug/l | Dissolved | Actual | | | | | 200.1 | |
| NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | NITR-UM | |
| NO23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | NITR-UM | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | NITR-UM | |
| PB | Lead | ug/l | Dissolved | Actual | | | | | 200.1 | |
| PIP | Phosphorus | mg/l | Suspended | Actual | | | | | | |
| PN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Suspended | Actual | | | | | NITR-UM | |
| PO4 | Phosphorus, orthophosphate as PO4 | mg/l | Dissolved | Actual | | | | | | |
| POC | Carbon, organic | mg/l | Suspended | Actual | | | | | CARB-UM | |
| PP | Phosphorus as P | mg/l | Suspended | Actual | | | | | | |
| SI | Silica | mg/l | | Actual | | | | | | |

Characteristic Group Details

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MDEDAT03

Maryland Dept. of the Environment Toxics Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| T-PAH | Polycyclic aromatic hydrocarbons | ug/l | Dissolved | Actual | | | | | PAH-006 | |
| T-PCB | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Dissolved | Actual | | | | | PCB-003 | |
| TDN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Dissolved | Actual | | | | | NITR-UM | |
| TDP | Phosphorus | mg/l | Dissolved | Calculated | | | | | | |
| TSP | Phosphorus | mg/l | Suspended | Actual | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | NITR-UM | |
| ZN | Zinc | ug/l | Dissolved | Actual | | | | | 200.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| METALS | Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Aluminum | | | | | | | | | |

Characteristic Group Details

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MDE DAT04

MD Dept. Environment In House Water Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------------|---|------------------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| AMD | Acid Mine Drainage | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ACID | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 305.1 | |
| AL_I | Aluminum, Inorganic Monomeric (reactive aluminum) | mg/l | Total | Actual | | | | | REACTIVE AL | |
| | Acceptable Range | 0.01000 - 0.30000 mg/l | | | | | | | | |
| AL_O | Aluminum, Organic Monomeric (reactive aluminum) | mg/l | Total | Actual | | | | | REACTIVE AL | |
| | Acceptable Range | 0.01000 - 0.30000 mg/l | | | | | | | | |
| AL_T | Aluminum, Organic + Inorganic Monomeric (reactive aluminum) | mg/l | Total | Actual | | | | | REACTIVE AL | |
| | Acceptable Range | 0.01000 - 0.30000 mg/l | | | | | | | | |
| ANC | Acid Neutralizing Capacity (ANC) | ug/l | Total | Actual | | | | | TITRATION_AN C | |
| CA_T | Calcium | mg/l | Total | Actual | | | | | 215.1 | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.1 | |
| FE_T | Iron | mg/l | Total | Actual | | | | | 236.1 | |
| K_T | Potassium | mg/l | Total | Actual | | | | | 258.1 | |
| MG_T | Magnesium | mg/l | Total | Actual | | | | | 242.1 | |
| NA_T | Sodium | mg/l | Total | Actual | | | | | 273.1 | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 4500-NO3(C) | |
| PH_CL | pH | None | | Actual | | | | | 150.1 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 4500-SO4(B) | |
| TALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| BACTI | Bacteriological | Sample | Water | | | | N | | | |

Characteristic Group Details

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MDE DAT04 MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ECOC | Enterococcus Group Bacteria | MPN | | Actual | | | | | ECOC | |
| ECOL | Escherichia coli | MPN | | Actual | | | | | E. COLI | |
| FCOL | Fecal Coliform | MPN | Total | Actual | | | | | 9222-D | |
| TCOL | Total Coliform | MPN | Total | Actual | | | | | 9222-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| BIOL | Biological | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BISI | Diatoms | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| CALCLOG | Calculated Datalog Info | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Calculated | | | | | 2510 | |
| DO | Dissolved oxygen (DO) | mg/l | | Calculated | | | | | 4500-O-G | |
| SALINITY | Salinity | ppt | | Calculated | | | | | 2520-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| CARB-MD | Carbon-DHMH | Sample | Water | | | | N |

Citations USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020

Characteristic Group Details

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MDE DAT04

MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.2 | |
| PC | Carbon, organic | mg/l | Suspended | Calculated | | | | | PC-CALC | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.2 | |
| Acceptable Range | | 0.05000 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------|--|--------|--------|-----------|--------------|---------|
| CARB-UM | Carbon-UMCES | Sample | Water | | | | N |
| Citations | | USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DIC | Carbon, inorganic | mg/l | Dissolved | Actual | | | | | 5310-B | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.2 | |
| PC | Carbon, organic | mg/l | Non-filterable | Actual | | | | | PN/PC | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Calculated | | | | | 415.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------|---|--------|--------|-----------|--------------|---------|
| CHLORO | Chlorophyll | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHAA | Chlorophyll a, corrected for pheophytin | ug/l | | Calculated | | | | | 10200-H | |
| CHLA | Chlorophyll a, uncorrected for pheophytin | ug/l | | Calculated | | | | | 10200-H | |
| CHLB | Chlorophyll-b | ug/l | | Calculated | | | | | 10200-H | |

Characteristic Group Details

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MDE DAT04

MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLC | Chlorophyll-c | ug/l | | Calculated | | | | | 10200-H | |
| CHTO | Chlorophyll (a+b+c) | ug/l | Total | Calculated | | | | | 10200-H | |
| PHEA | Pheophytin-a | ug/l | | Calculated | | | | | 10200-H | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------|--|--------|--------|-----------|--------------|---------|
| DATALOG | Field Measurements | Data Logger | Water | | | | N |
| Citations | | Annapolis, MD Field Operations, 2001, STANDARD OPERATING PROCEDURES FOR THE COLLECTION AND HANDLING OF WATER SAMPLES, Maryland Department of the Environment, Vol.1 Appendix A | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND_FLD | Specific conductance | umho/cm | | Actual | | | | | SONDE | |
| DEPTH | Depth, data-logger (non-ported) | m | | Actual | | | | | SONDE | |
| DO_FLD | Dissolved oxygen (DO) | mg/l | | Actual | | | | | SONDE | |
| ORP | Oxidation reduction potential (ORP) | mV | | Actual | | | | | SONDE | |
| PH_FLD | pH | None | | Actual | | | | | SONDE | |
| SAL_FLD | Salinity | ppt | | Actual | | | | | SONDE | |
| TURB | Turbidity | NTU | | Actual | | | | | SONDE | |
| WATEMP | Temperature, water | deg C | | Actual | | | | | SONDE | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW | Flow | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FLOW | Flow | cfs | | Actual | | | | | F01 | |
| TIDE | Tide stage (choice list) | | | | | | | | TIDE-F01 | |

Characteristic Group Details

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MDE DAT04 MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WAVE_HT | Wave height | m | | Estimated | | | | | WEATHER-F01 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| INORG | General Inorganics | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CL | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| SI | Silicate | mg/l | Dissolved | Actual | | | | | 370.1 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | 375.2 | |
| | Acceptable Range | 3.00000 - 300.00000 mg/l | | | | | | | | |
| TALK | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 160.2 | |
| | Acceptable Range | 4.00000 - 20,000.00000 mg/l | | | | | | | | |
| TVS | Solids, Volatile | mg/l | Total | Actual | | | | | 2540-E | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| METALS | Metals | Sample | Water | | | | N |

Citations USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AL_T | Aluminum | mg/l | Total | Actual | | | | | 202.1 | |
| | Acceptable Range | 0.02000 - 0.20000 mg/l | | | | | | | | |
| CD_T | Cadmium | mg/l | Total | Actual | | | | | 213.1 | |
| | Acceptable Range | 0.05000 - 2.00000 mg/l | | | | | | | | |
| FE_T | Iron | mg/l | Total | Actual | | | | | 236.1 | |

Characteristic Group Details

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MDEDAT04 MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.30000 - 5.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------|------------------------------------|--------|--------|-----------|--------------|---------|--|
| METEOR | Meteorological | Field Msr/Obs | Air | | | | N | |
| | Description | Weather-related field observations | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIRTEMP | Temperature, air | deg C | | Actual | | | | | WEATHER-F01 | |
| PERCLOUD | Cloud cover | % | | Estimated | | | | | WEATHER-F01 | |
| WEATHTOD | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |
| WEATHYES | RBP2, Weather Condition, Past 24 Hours | | | | | | | | | |
| WIND_DIR | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | WEATHER-F01 | |
| | Acceptable Range | 0.00000 - 360.00000 Deg | | | | | | | | |
| WIND_VEL | Wind velocity | knots | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|--|--------|--------|-----------|--------------|---------|--|
| NITR-MD | Nitrogen-DHMH | Sample | Water | | | | N | |
| | Citations | USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DIN | Nitrogen, inorganic | mg/l | Dissolved | Actual | | | | | | |
| DON | Nitrogen, organic | mg/l | Dissolved | Calculated | | | | | | |
| NH4 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | |

Characteristic Group Details

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MDE DAT04

MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NO23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.05000 - 10.00000 mg/l | | | | | | | | |
| NO3 | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | 353.2 | |
| PN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Suspended | Calculated | | | | | PN-CALC | |
| TDN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Dissolved | Calculated | | | | | TDN-CALC | |
| TKNF | Nitrogen, Kjeldahl | mg/l | Filterable | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.10000 - 20.00000 mg/l | | | | | | | | |
| TKNW | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.10000 - 20.00000 mg/l | | | | | | | | |
| TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Calculated | | | | | TN | |
| | Acceptable Range | 0.20000 - 3.00000 mg/l | | | | | | | | |
| TON | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--|----------------|--------|--------|-----------|--------------|---------|
| NITR-UM | Nitrogen-UMCES | Sample | Water | | | | N |
| Citations | USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DIN | Nitrogen, inorganic | mg/l | Dissolved | Calculated | | | | | | |
| DON | Nitrogen, organic | mg/l | Dissolved | Calculated | | | | | | |
| NH4 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | |

Characteristic Group Details

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MDE DAT04

MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| NO23 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.05000 - 10.00000 mg/l | | | | | | | | |
| NO3 | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Calculated | | | | | 353.2 | |
| PN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Suspended | Actual | | | | | PN/PC | |
| TDN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Dissolved | Actual | | | | | TDN/TDP | |
| TN | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Calculated | | | | | TN | |
| TON | Nitrogen, organic | mg/l | Total | Calculated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|--|--------|--------|-----------|--------------|---------|
| PHOS-MD | Phosphorus-DHMH | Sample | Water | | | | N |
| | Citations | USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOP | Phosphorus, organic as P | mg/l | Dissolved | Calculated | | | | | | |
| PO4 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PP | Phosphorus as P | mg/l | Non-filterable | Calculated | | | | | | |
| TDP | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| TP | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |

Characteristic Group Details

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MDEDAT04

MD Dept. Environment In House Water Data

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PHOS-UM | Phosphorus-UMCES | Sample | Water | | | | N |

Citations USEPA, 1979, Methods for Analysis of Water., USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOP | Phosphorus, organic as P | mg/l | Dissolved | Calculated | | | | | | |
| PIP | Phosphorus as P | mg/l | Non-filterable | Actual | | | | | PP/PIP | |
| PO4 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| PP | Phosphorus as P | mg/l | Suspended | Actual | | | | | PP/PIP | |
| TDP | Phosphorus as P | mg/l | Dissolved | Actual | | | | | TDN/TDP | |
| TIP | Phosphorus as P | mg/l | Total | Calculated | | | | | MISC_CALC | |
| TOP | Phosphorus, organic as P | mg/l | Total | Calculated | | | | | | |
| TP | Phosphorus as P | mg/l | Total | Calculated | | | | | TP-CALC | |

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PHYS-FLD | Physical Field Measurements | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Calculated | | | | | 2510 | |
| COND_FLD | Specific conductance | mg/l | | Actual | | | | | SONDE | |
| DO | Dissolved oxygen (DO) | mg/l | | Calculated | | | | | 4500-O-G | |
| DO_FLD | Dissolved oxygen (DO) | mg/l | | Actual | | | | | SONDE | |
| ORP | Oxidation reduction potential (ORP) | mV | | Actual | | | | | SONDE | |
| PH_FLD | pH | None | | Actual | | | | | SONDE | |
| SALINITY | Salinity | ppt | | Calculated | | | | | 2520-B | |
| SAL_FLD | Salinity | ppt | | Actual | | | | | SONDE | |

Characteristic Group Details

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MDEDAT04 MD Dept. Environment In House Water Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | SEC-F01 | |
| SECCHIB | Depth, Secchi Disk Depth (Choice List) | | | | | | | | SEC-F01 | |
| TDEPTH | Depth, bottom | m | | Actual | | | | | DEPTH-F01 | |
| TURB | Turbidity | NTU | | Actual | | | | | SONDE | |
| WATEMP | Temperature, water | deg C | | Actual | | | | | SONDE | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| PHYS-LAB | Physical Measurements-Lab | Sample | Water | | | | N |

Description Physical Measurements analyzed by a laboratory

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BOD5 | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| | Acceptable Range | 1.00000 - 25.00000 mg/l | | | | | | | | |
| IBOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 405.1 | |
| | Acceptable Range | 1.00000 - 25.00000 mg/l | | | | | | | | |
| PH_CLOSE | pH | None | | Actual | | | | | | |
| TURB | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 40.00000 NTU | | | | | | | | |

Characteristic Group Details

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MDE DAT07

Maryland Dept. of the Environment Shellfish Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| BACT | Bacteriological | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FCOL | Fecal Coliform | MPN | | Actual | | | | | 3.2-B | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW | FLOW | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TIDE | Tide stage (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| METEOR | Meteorological | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR_TEMP | Temperature, air | deg C | | Actual | | | | | | |
| WIND_DIR | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| WIND_VEL | Wind velocity | knots | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PHYS-FLD | Physical Field Measurements | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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MDEDAT07

Maryland Dept. of the Environment Shellfish Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | umho/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| PH | pH | None | Dissolved | Actual | | | | | 3.2-B | |
| SALINITY | Salinity | ppt | | Actual | | | | | | |
| WAT_TEMP | Temperature, water | deg C | | Actual | | | | | | |
| WEATHER | Weather Comments (text) | | | | | | | | | |

Characteristic Group Details

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MDEDAT08

Maryland Department Of Environment Beaches Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BACT | Bacteriological | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ECOLI | Escherichia coli | MPN | Total | Actual | | | | | COLIQUANT | |
| ENTERO | Enterococcus Group Bacteria | MPN | Total | Actual | | | | | ENTQUANT | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| FLOW | FLOW | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| TIDE | Tide stage (choice list) | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| METEOR | Meteorological | Field Msr/Obs | Air | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AIRTEMP | Temperature, air | deg C | | Actual | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| PHYS-FLD | Physical Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| WATTEMP | Temperature, water | deg F | | Actual | | | | | SONDE | |
| WEATHER | Weather Comments (text) | | | | | | | | SONDE | |

Characteristic Group Details

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MDEDAT09

Maryland Dept. of the Environment Risk Assessment Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CBOT | OYSTER TISSUE CONTAMINANT DATA | Sample | Biological | Tissue | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AG | Silver Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| AS | Arsenic Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| CD | Cadmium Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| CHLORDANES | Chlordane | ng/g | Total | Actual | | Wet | | | 8260A | |
| CR | Chromium Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| CU | Copper Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| DDT | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Actual | | Wet | | | 680 | |
| HG | Mercury Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| LENGTH | Length | mm | | Actual | Mean | Wet | | | | |
| LIPID | Lipids (unspecified mix) | % | | Actual | | Wet | | | 8260A | |
| METHYLHG | Methylmercury (+1) ion Acceptable Range | ng/g | Total | Actual | | Wet | | | 6010B | |
| NI | Nickel Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| PB | Lead Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |
| PCB | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ng/g | Total | Actual | | Wet | | | 6010B | |
| SE | Selenium Acceptable Range | ug/g | Total | Actual | | Wet | | | 6010B | |

Characteristic Group Details

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MDE DAT09

Maryland Dept. of the Environment Risk Assessment Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WEIGHT | Weight | g | | Actual | Mean | Wet | | | | |
| ZN | Zinc | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.05500 - 5.00000 ug/g | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|------------|--------|-----------|--------------|---------|
| CGFT | FISH TISSUE CONTAMINANTS DATA | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|-------------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00100 - 0.10000 ug/g | | | | | | | | |
| AS | Arsenic | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.02900 - 1.00000 ug/g | | | | | | | | |
| CD | Cadmium | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00200 - 0.10000 ug/g | | | | | | | | |
| CHLORDANES | Chlordane | ng/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00100 - 200.00000 ng/g | | | | | | | | |
| CR | Chromium | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.02000 - 1.00000 ug/g | | | | | | | | |
| CU | Copper | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.01400 - 1.00000 ug/g | | | | | | | | |
| DDT | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Actual | | Wet | | | 680 | |
| | Acceptable Range | 0.00010 - 500.00000 ng/g | | | | | | | | |
| FSLENGTH | Length, Standard (Fish) | mm | | Actual | | Wet | | | | |
| | Acceptable Range | 0.50000 - 5,000.00000 mm | | | | | | | | |
| HG | Mercury | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00400 - 0.10000 ug/g | | | | | | | | |
| LENGTH | Length | mm | | Actual | Mean | Wet | | | | |

Characteristic Group Details

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MDEDAT09

Maryland Dept. of the Environment Risk Assessment Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 50.00000 - 1,000.00000 mm | | | | | | | | |
| LIPID | Lipids (unspecified mix) | % | Total | Actual | | Wet | | | 8260A | |
| | Acceptable Range | 0.10000 - 20.00000 % | | | | | | | | |
| METHYLHG | Methylmercury (+1) ion | ng/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00006 - 100.00000 ng/g | | | | | | | | |
| MN | Manganese | ug/g | Total | Actual | | | | | 243.1_M | |
| NI | Nickel | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00100 - 1.00000 ug/g | | | | | | | | |
| PB | Lead | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00100 - 0.10000 ug/g | | | | | | | | |
| PCB | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/g | Total | Actual | | Wet | | | 6010B | PCB-007 |
| | Acceptable Range | 0.00010 - 2,000.00000 ug/g | | | | | | | | |
| SE | Selenium | ug/g | Total | Actual | | Wet | | | 6010B | |
| | Acceptable Range | 0.00900 - 1.00000 ug/g | | | | | | | | |
| SWEIGHT | Weight, volatile portion | g | Total | Actual | | Wet | | | COMAR | |
| | Acceptable Range | 0.10000 - 50.00000 g | | | | | | | | |
| WEIGHT | Weight | g | | Actual | Mean | Wet | | | | |
| | Acceptable Range | 500.00000 - 10,000.00000 g | | | | | | | | |
| ZN | Zinc | ug/g | Total | Actual | | Wet | | | 200.11 | 200.7-T |
| | Acceptable Range | 0.05500 - 10.00000 ug/g | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|--------|-----------|--------------|---------|
| CGFT02 | Bioaccumulative Toxic data | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/g | Total | Actual | | Wet | | | 6010B | |
| AS | Arsenic | ug/g | Total | Actual | | Wet | | | 6010B | |

Characteristic Group Details

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MDE DAT09

Maryland Dept. of the Environment Risk Assessment Data

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CD | Cadmium | ug/g | Total | Actual | | Wet | | | 6010B | |
| CR | Chromium | ug/g | Total | Actual | | Wet | | | 6010B | |
| CU | Copper | ug/g | Total | Actual | | Wet | | | 6010B | |
| DDT | DDT ***retired*** (use DDT, p,p'-) | ng/g | Total | Actual | | Wet | | | 680 | |
| FSLENGTH | Length, Standard (Fish) | mm | | Actual | | Wet | | | COMAR | |
| HG | Mercury | ug/g | Total | Actual | | Wet | | | 6010B | |
| LENGTH | Length | mm | | Actual | Mean | Wet | | | | |
| LIPID | Lipids (unspecified mix) | % | Total | Actual | | Wet | | | 8260A | |
| METHYLHG | Methylmercury (+1) ion | ng/g | Total | Actual | | Wet | | | 6010B | |
| MN | Magnesium | ug/g | Total | Actual | | Wet | | | 243.1_M | SFSAS_FT_PREP |
| NI | Nickel | ug/g | Total | Actual | | Wet | | | 6010B | |
| PCB | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/g | Total | Actual | | Wet | | | 6010B | |
| SE | Selenium | ug/g | Total | Actual | | Wet | | | 6010B | |
| SWEIGHT | Weight, volatile portion | g | Total | Actual | | Wet | | | COMAR | |
| WEIGHT | Weight | g | | Actual | Mean | Wet | | | | |
| ZN | Zinc | ug/g | Total | Actual | | Wet | | | | |

Characteristic Group Details

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MDEDAT10

MD Dept. of the Environment Private Pier Aquaculture Program

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| BACT | Bacteriological | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FCOL | Fecal Coliform | MPN | Total | Actual | | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW | FLOW | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TIDE | Tide stage (choice list) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| METEOR | Meteorological | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR_TEMP | Temperature, air | deg F | | Actual | | | | | | |
| WIND_DIR | Wind direction (direction from, expressed 0-360 deg) | Deg | | Actual | | | | | | |
| WIND_VEL | Wind velocity | knots | | Estimated | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PHYS-FLD | Physical Field Measurements | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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MDEDAT10

MD Dept. of the Environment Private Pier Aquaculture Program

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| PH | pH | None | Dissolved | Actual | | | | | 9222-D | |
| SALINITY | Salinity | ppt | | Actual | | | | | | |
| WAT_TEMP | Temperature, water | deg C | | Actual | | | | | | |
| WEATHER | Weather Condition (WMO Code 4501) (Choice List) | | | | | | | | | |

Characteristic Group Details

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MDEQ-WQ

Montana DEQ - Water Quality Division

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| APFS | Aquatic Plant Field Sheet | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|--------------------------|--|
| APFS | Aquatic Plant Field Form | Characterizes aquatic plant growth at the sampling site. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| DEQ-SUPQ | DEQ Supplementary Questions | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|-----------------------------|--|
| DEQ-SUPQ | DEQ Supplementary Questions | DEQ Supplementary Questions used to test precision and help determine the relative condition of the habitat and water quality. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW | Total Discharge | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|---------------------|--|
| FLOW | Total Discharge | Total discharge form to determine flow of the stream while sampling. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| FMO-AIR | Fld Msr & Obs, Air | Field Msr/Obs | Air | | | | N |

Citations MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1
Description Air temperature, and other measurements taken in the field.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR | Temperature, air | deg F | | Actual | | | | | | |

Characteristic Group Details

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MDEQ-WQ

Montana DEQ - Water Quality Division

| | | | | | | | |
|-----------------|----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FMO-W1 | Fld Msr & Obs, Water | Field Msr/Obs | Water | | | | N |

Citations MT DEQ MDM, 1995, Standard Operating Procedures Manual, Montana Department of Environmental Quality, Volume 1
Description Standard Field Measurements of water using probe or meter

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 2.00000 - 12.00000 | None | | | | | | | |
| Q-EST | Flow | cfs | | Estimated | | | | | FLOW-ESTIMATED | |
| Q-METER | Flow | cfs | | Actual | | | | | FLOW-METER | |
| Q-STAFF | Flow | cfs | | Actual | | | | | FLOW-STAFF GAGE | |
| Q-VISUAL | Flow | cfs | | Estimated | | | | | FLOW-VISUAL EST | |
| SC | Specific conductance | umho/cm | | Actual | | | | | | |
| T | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 37.00000 | deg C | | | | | | | |
| TUR | RBP Turbidity Code | | | | | | | | | |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| MACRO | Macroinvertebrate Assessment | Field Msr/Obs | | | | | Y |

| | | |
|---------------|------------------------------|--|
| Row ID | Characteristic Name | Description |
| MACRO | Macroinvertebrate Assessment | Macroinvertebrate Habitat Assessment Field Form for either Riffle/Run or Glide/Pool prevalent streams. |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| NRCS | Riparian Assessment Worksheet | Field Msr/Obs | | | | | Y |

Characteristic Group Details

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MDEQ-WQ

Montana DEQ - Water Quality Division

| | | |
|---------------|-------------------------------|--|
| Row ID | Characteristic Name | Description |
| NRCS | Riparian Assessment Worksheet | Riparian Assessment Worksheet created by the Natural Resources Conservation Service. |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| PEBBLECT | Pebble Count | Field Msr/Obs | | | | | Y |

| | | |
|---------------|----------------------------|--|
| Row ID | Characteristic Name | Description |
| PEBBLECT | Pebble Count | Pebble Count for substrate characterization. |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ROSGEN | Rosgen Stream Classification | Field Msr/Obs | | | | | Y |

| | | |
|---------------|------------------------------|------------------------------|
| Row ID | Characteristic Name | Description |
| ROSGEN | Rosgen Stream Classification | Rosgen Stream Classification |

| | | | | | | | |
|-----------------|------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| RSI | Riffle Stability Index | Field Msr/Obs | | | | | Y |

| | | |
|---------------|----------------------------|--|
| Row ID | Characteristic Name | Description |
| RSI | Riffle Stability Index | Riffle Stability Index for substrate characterization. |

| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| SRAF | Stream Reach Assessment Form | Field Msr/Obs | | | | | Y |

| | | |
|---------------|------------------------------|------------------------------|
| Row ID | Characteristic Name | Description |
| SRAF | Stream Reach Assessment Form | Stream Reach Assessment Form |

Characteristic Group Details

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MDEQ-WQ

Montana DEQ - Water Quality Division

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| SRASP | Stream Reach Assess Supplement | Field Msr/Obs | | | | | Y |

| | | |
|---------------|--------------------------------|--|
| Row ID | Characteristic Name | Description |
| SRASP | Stream Reach Assess Supplement | Stream Reach Assessment - Supplemental Pages |

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| XS | Channel Cross-Section | Field Msr/Obs | | | | | Y |

| | | |
|---------------|----------------------------|---|
| Row ID | Characteristic Name | Description |
| XSECTION | Channel Cross-Section | Channel Cross-Section to determine Total Cross-Sectional Area with either a laser level or non-laser. |

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MEDEP **Maine Department of Environmental Protection**

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|----------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BM-MAC | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations Maine Department of Environmental Protection, 2002, Methods for Biological Sampling and Analysis of Maine's Waters, MDEP, Augusta ME, 2002 | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| L-1 | Lake Water Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | Depth, Secchi Disk Depth | ft | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| L-2 | Lake Air Measurements | Field Msr/Obs | Air | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Wind velocity | mph | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 mph | | | | | | | | |
| 2 | Wind direction (direction from, expressed 0-360 deg) | | | | | | | | | |
| 3 | Cloud cover | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| CLMP1 | CLMP Group 1 | Field Msr/Obs | Water | | | | N |

Citations Klang, Jennifer, 2000, Citizen Lake-Monitoring Program: Minnesota's Volunteer Lake Monitoring Handbook, Minnesota Pollution Control Agency, all pages

Description Observations as part of the Citizen Lake Monitoring Program, administered by the MPCA, are secchi transparency, lake appearance and recreational suitability, collected with the cited protocol from 1988 to present.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHY | Lake Physical Appearance (choice list) | | | | | | | | CLMP-CONDSUIT-1 | |
| REC | Lake Recreational Suitability (choice list) | | | | | | | | CLMP-CONDSUIT-1 | |
| SD | Depth, Secchi Disk Depth | m | | Actual | | | | | CLMP-SD-1 | |
| | Acceptable Range | 0.00000 - 15.00000 m | | | | | | | | |
| SDL | Depth, Secchi Disk Depth | m | | Actual | Minimum | | | | CLMP-SD-1 | |
| | Acceptable Range | 0.00000 - 15.00000 m | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| CSMP1 | CSMP Group 1 | Field Msr/Obs | Water | | | | N |

Citations Sovell, Laurie, 1998, Citizen Stream Sampling Protocol, Minnesota Pollution Control Agency, all pages

Description The measurements for the CSMP, administered by MPCA, include stream water transparency using a tube, stream stage, relationship to rainfall, stream appearance and recreational suitability.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHY_1-7 | Stream Physical Appearance (choice list) | | | | | | | | CSMP-CONDSUIT-1 | |
| PHY_1A-5 | Stream Physical Appearance, Minnesota (choice list) | | | | | | | | CSMP-CONDSUIT-1 | |
| RAIN | Precipitation | in | | Actual | | | 24 Hours | | CSMP-RAIN-24H | |
| | Acceptable Range | 0.00000 - 12.00000 in | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| RAIN-YN | Weather Comments (text) | | | | | | | | CSMP-RAIN-Y/N | |
| RAINL | Precipitation | in | | Actual | Minimum | | 24 Hours | | CSMP-RAIN-24H | |
| REC | Stream Recreational Suitability (choice list) | | | | | | | | CSMP-CONDSUIT-1 | |
| STAGE_C | Stream stage height | ft | | Actual | | | | | FLD STR STG 10 | |
| | Acceptable Range | 0.00000 - 1,000.00000 ft | | | | | | | | |
| TD_IN | Distance from/to | in | | Actual | | | | | CSMP-TD | |
| TUBE100 | Transparency, tube with disk | cm | | Actual | | | | | CSMP-TTUBE100 | |
| | Acceptable Range | 0.00000 - 100.00000 cm | | | | | | | | |
| TUBE100L | Transparency, tube with disk | cm | | Actual | Minimum | | | | CSMP-TTUBE100 | |
| | Acceptable Range | 100.00000 - 100.00000 cm | | | | | | | | |
| TUBE60 | Transparency, tube with disk | cm | | Actual | | | | | CSMP-TTUBE60 | |
| | Acceptable Range | 0.00000 - 60.00000 cm | | | | | | | | |
| TUBE60L | Transparency, tube with disk | cm | | Actual | Minimum | | | | CSMP-TTUBE60 | |
| | Acceptable Range | 60.00000 - 60.00000 cm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--|----------------|--------|--------|-----------|--------------|---------|
| FIELD_DA | Field Data | Field Msr/Obs | Water | | | | N |
| Description | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | FLD CONDUCTANC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 60,000.00000 uS/cm | | | | | | | E | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO PROBE | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| | pH | None | | Actual | | | | | FLD PH | |
| | Acceptable Range | 0.90000 - 12.00000 None | | | | | | | | |
| | Turbidity | FNU | | Actual | | | | | FLD TURB | |
| | Acceptable Range | 0.00000 - 1,000.00000 FNU | | | | | | | | |
| | Transparency, tube with disk | cm | | Actual | | | | | CSMP-TTUBE60 | |
| | Acceptable Range | 0.00000 - 60.00000 cm | | | | | | | | |
| | Stream condition (text) | | | Actual | | | | | FLD STAGE EST | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------|--|--------|--------|-----------|--------------|---------|
| FLOW | KATIE'S FLOW | Field Msr/Obs | Water | | | | N |
| Description | | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Flow | cfs | | Estimated | | | | | FLD STR FLOW 2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 cfs | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|---|--------|--------|-----------|--------------|---------|
| HYD2045 | 2045 | Field Msr/Obs | Water | | | | N |
| Description | | Group used to transfer Transparency Tube data to Hydstra. | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2113 | 2113 | Sample | Water | | | | N |
| Description Group used to transfer Alkalinity data to Hydstra. | | | | | | | |
| HYD2131 | 2131 | Sample | Water | | | | N |
| Description Group used to transfer Hardness data to Hydstra. | | | | | | | |
| HYD2172 | 2172 | Sample | Water | | | | N |
| Description Group used to transfer TSS data to Hydstra. | | | | | | | |
| HYD2175 | 2175 | Sample | Water | | | | N |
| Description Group used to transfer Dissolved Solids data to Hydstra. | | | | | | | |
| HYD2178 | 2178 | Sample | Water | | | | N |
| Description Group used to transfer Volatile Solids data to Hydstra. | | | | | | | |
| HYD2262 | 2262 | Field Msr/Obs | Water | | | | N |
| Description Group used to transfer Flow data to Hydstra. | | | | | | | |
| HYD2311 | 2311 | Sample | Water | | | | N |

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Description Group used to transfer Chloride data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2334 | 2334 | Sample | Water | | | | N |

Description Group used to transfer Nitrogen, ammonia (NH3) + ammonium (NH4) data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2335 | 2335 | Sample | Water | | | | N |

Description Group used to transfer Ammonia as NH3 data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2336 | 2336 | Sample | Water | | | | N |

Description Group used to transfer Kjeldahl Nitrogen data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2340 | 2340 | Sample | Water | | | | N |

Description Group used to transfer Nitrogen, Nitrate (NO3) as N data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2341 | 2341 | Sample | Water | | | | N |

Description Group used to transfer Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2361 | 2361 | Sample | Water | | | | N |

Description Group used to transfer Orthophosphate as P data to Hydstra.

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD2363 | 2363 | Sample | Water | | | | N |
| Description Group used to transfer Phosphorus as P data to Hydstra. | | | | | | | |
| HYD2401 | 2401 | Sample | Water | | | | N |
| Description Group used to transfer Sulfur data to Hydstra. | | | | | | | |
| HYD2450 | 2450 | Field Msr/Obs | Water | | | | N |
| Description Group used to transfer Temperature data to Hydstra. | | | | | | | |
| HYD2810 | 2810 | Field Msr/Obs | Water | | | | N |
| Description Group used to transfer Turbidity data to Hydstra. | | | | | | | |
| HYD2825 | 2825 | Field Msr/Obs | Water | | | | N |
| Description Group used to transfer Specific Conductance data to Hydstra. | | | | | | | |
| HYD2860 | 2860 | Field Msr/Obs | Water | | | | N |
| Description Group used to transfer pH data to Hydstra. | | | | | | | |
| HYD2866 | 2866 | Field Msr/Obs | Water | | | | N |

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Description Group used to transfer DO data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD3001 | 3001 | Sample | Water | | | | N |

Description Group used to transfer BOD data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD3011 | 3011 | Sample | Water | | | | N |

Description Group used to transfer COD data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD6112 | 6112 | Sample | Water | | | | N |

Description Group used to transfer Fecal Coliform data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD6114 | 6114 | Sample | Water | | | | N |

Description Group used to transfer E. coli data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD7001 | 7001 | Sample | Water | | | | N |

Description Group used to transfer Chlorophyll corrected for Pheophytin data to Hydstra.

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| HYD7002 | 7002 | Sample | Water | | | | N |

Description Group used to transfer Chlorophyll a, uncorrected for pheophytin data to Hydstra.

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| LAKE_FLD | Lake Field Meas | Field Msr/Obs | Water | | | | N |

Citations Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html, Minnesota Pollution Control Agency, all pages

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO-% | Dissolved oxygen saturation | % | | Calculated | | | | | DO SATURATION | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| DPTH-BOT | Depth, bottom | m | | Actual | | | | | LK DEPTH BOTTOM | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.90000 - 12.00000 None | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| MATT_FLD | Matt's Field Data | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Temperature, water | deg C | | Actual | | | | | FLD TEMP | |
| | Acceptable Range | 0.00000 - 35.00000 deg C | | | | | | | | |
| | pH | None | | Actual | | | | | FLD PH | |
| | Acceptable Range | 0.90000 - 12.00000 None | | | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO PROBE | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | FLD CONDUCTANCE | |
| | Acceptable Range | 0.00000 - 60,000.00000 uS/cm | | | | | | | | |
| | Oxidation reduction potential | mV | | Actual | | | | | REDOX | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (ORP) | | | | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 mV | | | | | | | | |
| | Dissolved oxygen saturation | % | | Calculated | | | | | DO SATURATION | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| MDH402 | SVOCs | Sample | Water | | | | N |
| | Citations | Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages | | | | | |
| | Description | Suite of semi-volatile organic compound analyses | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Acenaphthene | ug/l | Total | Actual | | | | | MDH402 | |
| 10 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | MDH402 | |
| 100 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | MDH402 | |
| 101 | Phenol | ug/l | Total | Actual | | | | | MDH402 | |
| 102 | Picoline, 2- | ug/l | Total | Actual | | | | | MDH402 | |
| 103 | Pronamide | ug/l | Total | Actual | | | | | MDH402 | |
| 104 | Pyrene | ug/l | Total | Actual | | | | | MDH402 | |
| 105 | Tetrachlorobenzene, 1,2,4,5- | ug/l | Total | Actual | | | | | MDH402 | |
| 106 | Tetrachlorophenol, 2,3,4,6- | ug/l | Total | Actual | | | | | MDH402 | |
| 107 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | MDH402 | |
| 108 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | MDH402 | |
| 109 | 2,4,6-Trichlorophenol (TCPPh) | ug/l | Total | Actual | | | | | MDH402 | |
| 11 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | MDH402 | |
| 12 | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | MDH402 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 13 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | MDH402 | |
| 14 | Benzyl alcohol | ug/l | Total | Actual | | | | | MDH402 | |
| 15 | BHC-alpha | ug/l | Total | Actual | | | | | MDH402 | |
| 16 | BHC-beta | ug/l | Total | Actual | | | | | MDH402 | |
| 17 | BHC-delta | ug/l | Total | Actual | | | | | MDH402 | |
| 18 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | MDH402 | |
| 19 | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | MDH402 | |
| 2 | Acenaphthylene | ug/l | Total | Actual | | | | | MDH402 | |
| 20 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | MDH402 | |
| 21 | Bis(2-Chloroisopropyl) ether | ug/l | Total | Actual | | | | | MDH402 | |
| 22 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | MDH402 | |
| 23 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | MDH402 | |
| 24 | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | MDH402 | |
| 25 | Carbazole | ug/l | Total | Actual | | | | | MDH402 | |
| 26 | Chlordane | ug/l | Total | Actual | | | | | MDH402 | |
| 27 | Chloroaniline, 4- | ug/l | Total | Actual | | | | | MDH402 | |
| 28 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | MDH402 | |
| 29 | Chloronaphthalene, alpha- | ug/l | Total | Actual | | | | | MDH402 | |
| 3 | Acetophenone | ug/l | Total | Actual | | | | | MDH402 | |
| 30 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | MDH402 | |
| 31 | Chlorophenol-2 | ug/l | Total | Actual | | | | | MDH402 | |
| 32 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | MDH402 | |
| 33 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | MDH402 | |
| 34 | DDD, p,p'- | ug/l | Total | Actual | | | | | MDH402 | |
| 35 | DDE, p,p'- | ug/l | Total | Actual | | | | | MDH402 | |
| 36 | DDT, p,p'- | ug/l | Total | Actual | | | | | MDH402 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 37 | Dibenz(a,j)acridine | ug/l | Total | Actual | | | | | MDH402 | |
| 38 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | MDH402 | |
| 39 | Dibenzofuran | ug/l | Total | Actual | | | | | MDH402 | |
| 4 | Aldrin | ug/l | Total | Actual | | | | | MDH402 | |
| 40 | Dibutyl phthalate | ug/l | Total | Actual | | | | | MDH402 | |
| 41 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | MDH402 | |
| 42 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | MDH402 | |
| 43 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | MDH402 | |
| 44 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | MDH402 | |
| 45 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | MDH402 | |
| 46 | Dichlorophenol, 2,6- | ug/l | Total | Actual | | | | | MDH402 | |
| 47 | Dieldrin | ug/l | Total | Actual | | | | | MDH402 | |
| 48 | Diethyl phthalate | ug/l | Total | Actual | | | | | MDH402 | |
| 49 | Dimethylaminoazobenzene, 4- | ug/l | Total | Actual | | | | | MDH402 | |
| 5 | Aminodiphenyl, 4- | ug/l | Total | Actual | | | | | MDH402 | |
| 50 | Dimethylbenz(a)anthracene, 7,12- | ug/l | Total | Actual | | | | | MDH402 | |
| 51 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | MDH402 | |
| 52 | Dimethyl phthalate | ug/l | Total | Actual | | | | | MDH402 | |
| 53 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | MDH402 | |
| 54 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | MDH402 | |
| 55 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | MDH402 | |
| 56 | Diphenyl amine | ug/l | Total | Actual | | | | | MDH402 | |
| 57 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | MDH402 | |
| 58 | Diphenylhydrazine, 1,2- | ug/l | Total | Actual | | | | | MDH402 | |
| 59 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | MDH402 | |
| 6 | Aniline | ug/l | Total | Actual | | | | | MDH402 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 60 | Endosulfan, beta- | ug/l | Total | Actual | | | | | MDH402 | |
| 61 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | MDH402 | |
| 62 | Endrin | ug/l | Total | Actual | | | | | MDH402 | |
| 63 | Endrin Aldehyde | ug/l | Total | Actual | | | | | MDH402 | |
| 64 | Endrin ketone | ug/l | Total | Actual | | | | | MDH402 | |
| 65 | Ethyl methanesulfonate | ug/l | Total | Actual | | | | | MDH402 | |
| 66 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | MDH402 | |
| 67 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | MDH402 | |
| 68 | Heptachlor | ug/l | Total | Actual | | | | | MDH402 | |
| 69 | Heptachlor epoxide | ug/l | Total | Actual | | | | | MDH402 | |
| 7 | Anthracene | ug/l | Total | Actual | | | | | MDH402 | |
| 70 | Hexachlorobenzene | ug/l | Total | Actual | | | | | MDH402 | |
| 71 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | MDH402 | |
| 72 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | MDH402 | |
| 73 | Hexachloroethane | ug/l | Total | Actual | | | | | MDH402 | |
| 74 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | MDH402 | |
| 75 | Isophorone | ug/l | Total | Actual | | | | | MDH402 | |
| 76 | Methoxychlor | ug/l | Total | Actual | | | | | MDH402 | |
| 77 | Methylcholanthrene, 3- | ug/l | Total | Actual | | | | | MDH402 | |
| 78 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | MDH402 | |
| 79 | Methyl methanesulfonate | ug/l | Total | Actual | | | | | MDH402 | |
| 8 | Benzidine | ug/l | Total | Actual | | | | | MDH402 | |
| 80 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | MDH402 | |
| 81 | Cresol, o- | ug/l | Total | Actual | | | | | MDH402 | |
| 82 | Cresol, p- | ug/l | Total | Actual | | | | | MDH402 | |
| 83 | Naphthalene | ug/l | Total | Actual | | | | | MDH402 | |
| 84 | Naphthylamine, alpha- | ug/l | Total | Actual | | | | | MDH402 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 85 | Naphthylamine, beta- | ug/l | Total | Actual | | | | | MDH402 | |
| 86 | Nitroaniline, 2- | ug/l | Total | Actual | | | | | MDH402 | |
| 87 | m-Nitroaniline | ug/l | Total | Actual | | | | | MDH402 | |
| 88 | p-Nitroaniline | ug/l | Total | Actual | | | | | MDH402 | |
| 89 | nitro-Benzene | ug/l | Total | Actual | | | | | MDH402 | |
| 9 | Benzoic acid | ug/l | Total | Actual | | | | | MDH402 | |
| 90 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | MDH402 | |
| 91 | p-Nitrophenol | ug/l | Total | Actual | | | | | MDH402 | |
| 92 | Nitrosodibutylamine, n- | ug/l | Total | Actual | | | | | MDH402 | |
| 93 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | MDH402 | |
| 94 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | MDH402 | |
| 95 | Nitrosopiperidine, n- | ug/l | Total | Actual | | | | | MDH402 | |
| 96 | Pentachlorobenzene | ug/l | Total | Actual | | | | | MDH402 | |
| 97 | Pentachloronitrobenzene (PCNB) | ug/l | Total | Actual | | | | | MDH402 | |
| 98 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | MDH402 | |
| 99 | Phenacetin | ug/l | Total | Actual | | | | | MDH402 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| MDH465 | VOCs | Sample | Water | | | | N |
| | Citations | Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages | | | | | |
| | Description | Suite of volatile organic compound analyses | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Acetone | ug/l | Total | Actual | | | | | MDH465 | |
| 10 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | MDH465 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 11 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | MDH465 | |
| 12 | Carbon tetrachloride | ug/l | Total | Actual | | | | | MDH465 | |
| 13 | Chlorobenzene | ug/l | Total | Actual | | | | | MDH465 | |
| 14 | Chlorodibromomethane | ug/l | Total | Actual | | | | | MDH465 | |
| 15 | Chloroethane | ug/l | Total | Actual | | | | | MDH465 | |
| 16 | Chloroform | ug/l | Total | Actual | | | | | MDH465 | |
| 17 | Methyl chloride | ug/l | Total | Actual | | | | | MDH465 | |
| 18 | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | MDH465 | |
| 19 | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | MDH465 | |
| 2 | Allyl chloride | ug/l | Total | Actual | | | | | MDH465 | |
| 20 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | MDH465 | |
| 21 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | MDH465 | |
| 22 | Dibromomethane | ug/l | Total | Actual | | | | | MDH465 | |
| 23 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | MDH465 | |
| 24 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | MDH465 | |
| 25 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | MDH465 | |
| 26 | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | MDH465 | |
| 27 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | MDH465 | |
| 28 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | MDH465 | |
| 29 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | MDH465 | |
| 3 | Benzene | ug/l | Total | Actual | | | | | MDH465 | |
| 30 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | MDH465 | |
| 31 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | MDH465 | |
| 32 | Dichloromonofluoromethane | ug/l | Total | Actual | | | | | MDH465 | |
| 33 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | MDH465 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 34 | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | MDH465 | |
| 35 | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | MDH465 | |
| 36 | Dichloropropene, 1,1- | ug/l | Total | Actual | | | | | MDH465 | |
| 37 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | MDH465 | |
| 38 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | MDH465 | |
| 39 | Ethylbenzene | ug/l | Total | Actual | | | | | MDH465 | |
| 4 | Monobromobenzene | ug/l | Total | Actual | | | | | MDH465 | |
| 40 | Ethyl ether | ug/l | Total | Actual | | | | | MDH465 | |
| 41 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | MDH465 | |
| 42 | Cumene | ug/l | Total | Actual | | | | | MDH465 | |
| 43 | Cymene ***retired***(use p-Cymene) | ug/l | Total | Actual | | | | | MDH465 | |
| 44 | Dichloromethane | ug/l | Total | Actual | | | | | MDH465 | |
| 45 | Methyl ethyl ketone | ug/l | Total | Actual | | | | | MDH465 | |
| 46 | Methyl isobutyl ketone | ug/l | Total | Actual | | | | | MDH465 | |
| 47 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | MDH465 | |
| 48 | Naphthalene | ug/l | Total | Actual | | | | | MDH465 | |
| 49 | Propylbenzene, n- | ug/l | Total | Actual | | | | | MDH465 | |
| 5 | Chlorobromomethane | ug/l | Total | Actual | | | | | MDH465 | |
| 50 | Styrene | ug/l | Total | Actual | | | | | MDH465 | |
| 51 | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | MDH465 | |
| 52 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | MDH465 | |
| 53 | Tetrachloroethylene | ug/l | Total | Actual | | | | | MDH465 | |
| 54 | Tetrahydrofuran | ug/l | Total | Actual | | | | | MDH465 | |
| 55 | Toluene | ug/l | Total | Actual | | | | | MDH465 | |
| 56 | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | MDH465 | |
| 57 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | MDH465 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 58 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | MDH465 | |
| 59 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | MDH465 | |
| 6 | Dichlorobromomethane | ug/l | Total | Actual | | | | | MDH465 | |
| 60 | Trichloroethylene | ug/l | Total | Actual | | | | | MDH465 | |
| 61 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | MDH465 | |
| 62 | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | MDH465 | |
| 63 | Trichlorotrifluoroethane | ug/l | Total | Actual | | | | | MDH465 | |
| 64 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | MDH465 | |
| 65 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | MDH465 | |
| 66 | Vinyl chloride | ug/l | Total | Actual | | | | | MDH465 | |
| 67 | Xylene, o- | ug/l | Total | Actual | | | | | MDH465 | |
| 68 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | MDH465 | |
| 7 | Bromoform | ug/l | Total | Actual | | | | | MDH465 | |
| 8 | Methyl bromide | ug/l | Total | Actual | | | | | MDH465 | |
| 9 | Butyl benzene | ug/l | Total | Actual | | | | | MDH465 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|--|--------|--------|-----------|--------------|---------|
| MDHLG | MDH Lab Large Group 1 | Sample | Water | | | | N |
| Citations | | Minnesota Pollution Control Agency Quality Assurance Program, 2000, www.pca.state.mn.us/programs/qa_p.html , Minnesota Pollution Control Agency, all pages | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 001 | Solids, Total | mg/l | Total | Actual | | Dry | | | MDH001D | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 002 | Solids, Volatile | mg/l | Total | Actual | | | | | MDH002C | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 003 | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | Dry | | | MDH003 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 003W | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | Dry | | | MDH003_W | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 004 | Solids, Volatile | mg/l | Suspended | Actual | | | | | MDH004 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 005 | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | MDH005D | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 011 | Turbidity | NTRU | | Actual | | | | | MDH011D | |
| | Acceptable Range | 0.00000 - 200.00000 NTRU | | | | | | | | |
| 012 | Color, Apparent | PCU | | Actual | | | | | MDH012 | |
| | Acceptable Range | 0.00000 - 500.00000 PCU | | | | | | | | |
| 013 | pH | None | | Actual | | | | | MDH013B | |
| | Acceptable Range | 0.90000 - 12.00000 None | | | | | | | | |
| 014 | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | MDH014 | |
| | Acceptable Range | 0.00000 - 60,000.00000 uS/cm | | | | | | | | |
| 018 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | MDH018 | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 019 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | MDH019 | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 022 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | MDH022G | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 023 | Chloride | mg/l | Total | Actual | | | | | MDH023F | |
| | Acceptable Range | 0.00000 - 22,000.00000 mg/l | | | | | | | | |
| 028 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | MDH028D | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| 030 | Silica | mg/l | Total | Actual | | | | | MDH030B | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |
| 050 | Silica | mg/l | Dissolved | Actual | | | | | MDH050B | |

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|--------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| 058 | Phosphorus as P | mg/l | Total | Actual | | | | | MDH058C | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 059 | Phosphorus as P | mg/l | Total | Actual | | | | | MDH059C | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 060 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | MDH060 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 063 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | MDH063C | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 064 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Total | Actual | | | | | MDH064C | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 065 | Nitrogen, organic | mg/l | Total | Calculated | | | | | MDH065 | |
| | Acceptable Range | 0.00000 - 15.00000 mg/l | | | | | | | | |
| 067 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | MDH067 | |
| 068 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | MDH068 | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |
| 069 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | MDH069E | |
| | Acceptable Range | 0.00000 - 55.00000 mg/l | | | | | | | | |
| 070 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | MDH070C | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 073 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | MDH073 | |
| 077 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Dissolved | Actual | | | | | MDH077C | |
| | Acceptable Range | 0.00000 - 20.00000 mg/l | | | | | | | | |
| 078 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | MDH078E | |
| | Acceptable Range | 0.00000 - 55.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 083 | BOD, carbonaceous | mg/l | Total | Actual | | | 5 Day | 20 Deg C | MDH083G | |
| | Acceptable Range | 0.00000 - 150.00000 mg/l | | | | | | | | |
| 095 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 20 Day | 20 Deg C | MDH095 | |
| | Acceptable Range | 0.00000 - 600.00000 mg/l | | | | | | | | |
| 096 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | 20 Deg C | MDH096G | |
| | Acceptable Range | 0.00000 - 150.00000 mg/l | | | | | | | | |
| 097 | COD, Chemical Oxygen Demand | mg/l | Total | Actual | | | | | MDH097E | |
| | Acceptable Range | 0.00000 - 200.00000 mg/l | | | | | | | | |
| 098 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | MDH098 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 099 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | MDH099 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 152 | Iron | ug/l | Total | Actual | | | | | MDH152C | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 154 | Iron | ug/l | Dissolved | Actual | | | | | MDH154 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 166 | Manganese | ug/l | Total | Actual | | | | | MDH166 | |
| 194 | Zinc | ug/l | Total | Actual | | | | | MDH194 | |
| 208 | Calcium as CaCO3 | mg/l | Total | Actual | | | | | MDH208F | |
| | Acceptable Range | 0.00000 - 3,000.00000 mg/l | | | | | | | | |
| 209 | Magnesium | mg/l | Total | Actual | | | | | MDH209F | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 228 | Molybdenum | ug/l | Total | Actual | | | | | MDH228 | |
| 239 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | MDH239 | |
| | Acceptable Range | 0.00000 - 4,000.00000 mg/l | | | | | | | | |
| 255 | Potassium | mg/l | Total | Actual | | | | | MDH255F | |
| | Acceptable Range | 0.00000 - 200.00000 mg/l | | | | | | | | |
| 257 | Sodium | mg/l | Total | Actual | | | | | MDH257G | |

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|-----------------|---|---------------------------------|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |
| 293 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | MDH293 | |
| | Acceptable Range | 0.00000 - 5,000.00000 mg/l | | | | | | | | |
| 310 | Fecal Coliform | #/100ml | Total | Actual | | | | | MDH310A | |
| | Acceptable Range | 0.00000 - 160,000.00000 #/100ml | | | | | | | | |
| 310L | Fecal Coliform | #/100ml | Total | Estimated | Minimum | | | | MDH310A | |
| | Acceptable Range | 0.00000 - 160,000.00000 #/100ml | | | | | | | | |
| 311 | Escherichia coli | #/100ml | Total | Actual | | | | | MDH311A | |
| | Acceptable Range | 0.00000 - 160,000.00000 #/100ml | | | | | | | | |
| 311L | Escherichia coli | #/100ml | Total | Estimated | Minimum | | | | MDH311A | |
| | Acceptable Range | 0.00000 - 160,000.00000 #/100ml | | | | | | | | |
| 313 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | MDH313A | |
| | Acceptable Range | 0.00000 - 160,000.00000 #/100ml | | | | | | | | |
| 450 | Chlorophyll a, corrected for pheophytin | ug/l | Non-filterable | Actual | | | | | MDH450 | FLT CHL A |
| | Acceptable Range | 0.00000 - 750.00000 ug/l | | | | | | | | |
| 451 | Pheophytin-a | ug/l | Total | Actual | | | | | MDH451 | |
| | Acceptable Range | 0.00000 - 750.00000 ug/l | | | | | | | | |
| 452 | Chlorophyll a, corrected for pheophytin | ug/l | Non-filterable | Actual | | | | | MDH452 | |
| | Acceptable Range | 0.00000 - 750.00000 ug/l | | | | | | | | |
| 614 | Boron | ug/l | Total | Actual | | | | | MDH614 | |
| 631 | Aluminum | ug/l | Total | Actual | | | | | MDH631 | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| MDH_SED | MDH Lab Sediment | Sample | Sediment | | | | | | N | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 261 | Water content | % | | Actual | | | | | MDH261 | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| 264 | COD, Chemical Oxygen Demand | mg/kg | Total | Actual | | Dry | | | MDH264 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|--------|--------|-----------|--------------|---------|
| MILE FLD | Milestone Field Meas | Field Msr/Obs | Water | | | | N |
| Citations | Bissonnette, Sandra and Beth Endersbe, 2001, Milestone Site River Monitoring Program Standard Methods for Field Measurements and Sample Collection, Minnesota Pollution Control Agency, all pages | | | | | | |
| Description | Milestone Site River Monitoring Program field measurements | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COND | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | FLD CONDUCTANCE | |
| | Acceptable Range | 0.00000 - 60,000.00000 uS/cm | | | | | | | | |
| DO-P | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO PROBE | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| DO-W | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO WINKLER | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| FLOW | Flow | cfs | | Estimated | | | | | FLD STR FLOW 2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 cfs | | | | | | | | |
| FLOWMILE | Flow | cfs | | Estimated | | | | | FLD STR FLOW 1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 cfs | | | | | | | | |
| FLOW_DM | Flow | cfs | | Calculated | Mean | | 1 Day | | FLD STR FLOW DM | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |
| ORP | Oxidation reduction potential | mV | | Actual | | | | | REDOX | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (ORP) | | | | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 | mV | | | | | | | |
| PH | pH | None | | Actual | | | | | FLD PH | |
| | Acceptable Range | 0.90000 - 12.00000 | None | | | | | | | |
| STAGE | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 1 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_A | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 7 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_O | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 9 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_PT | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 8 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_R | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 4 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_S | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 5 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_TD | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 2 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_UR | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 3 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STAGE_W | Stream stage height | ft | | Actual | | | | | FLD STR STAGE 6 | |
| | Acceptable Range | 0.00000 - 1,000.00000 | ft | | | | | | | |
| STR CON | Stream condition (text) | | | | | | | | FLD STAGE EST | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TEMP | Temperature, water | deg C | | Actual | | | | | FLD TEMP | |
| | Acceptable Range | 0.00000 - 35.00000 deg C | | | | | | | | |
| TURB | Turbidity | None | | Actual | | | | | FLD TURB | |
| | Acceptable Range | 0.00000 - 1,000.00000 None | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| PA-RS-LK | Phy. Appear. & Rec. Suit Lakes | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lake Recreational Suitability (choice list) | | | | | | | | CLMP- CONDSUIT-1 | |
| | Lake Physical Appearance (choice list) | | | | | | | | CLMP- CONDSUIT-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| REGCOM | Conductivity | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|------------------------|----------------------------|
| | Stream Physical Appearance (choice list) | | | | | | | | CSMP- CONDSUIT-1 | |
| | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | FLD CONDUCTANC E | |
| | Acceptable Range | 1.00000 - 60,000.00000 uS/cm | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| STDFLD | Standard Stream Field Char. | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Stream Recreational Suitability (choice list) | | | Actual | | | | | CSMP-CONDSUIT-1 | |
| | pH | None | | Actual | | | | | FLD PH | |
| | Acceptable Range | 0.90000 - 12.00000 | None | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | FLD TEMP | |
| | Acceptable Range | 0.00000 - 35.00000 | deg C | | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO PROBE | |
| | Acceptable Range | 0.00000 - 30.00000 | mg/l | | | | | | | |
| | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | FLD CONDUCTANCE | |
| | Acceptable Range | 0.00000 - 60,000.00000 | uS/cm | | | | | | | |
| | Stream condition (text) | | | | | | | | FLD STAGE EST | |
| | Flow | cfs | | Estimated | | | | | FLD STR FLOW 2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 | cfs | | | | | | | |
| | Stream Physical Appearance, Minnesota (choice list) | | | Actual | | | | | CSMP-CONDSUIT-1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| TRACENTL | Ambient Trace Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS-D | Arsenic | ug/l | Dissolved | Actual | | | | | FRONTIER-AS | |
| AS-T | Arsenic | ug/l | Total | Actual | | | | | FRONTIER-AS | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CD-D | Cadmium | ug/l | Dissolved | Actual | | | | | FRONTIER-MTLS | |
| CD-T | Cadmium | ug/l | Total | Actual | | | | | FRONTIER-MTLS | |
| CR-D | Chromium | ug/l | Dissolved | Actual | | | | | FRONTIER-MTLS | |
| CR-T | Chromium | ug/l | Total | Actual | | | | | FRONTIER-MTLS | |
| CU-D | Copper | ug/l | Dissolved | Actual | | | | | FRONTIER-MTLS | |
| CU-T | Copper | ug/l | Total | Actual | | | | | FRONTIER-MTLS | |
| HG-D | Mercury | ng/l | Dissolved | Actual | | | | | FRONTIER-HG | |
| HG-T | Mercury | ng/l | Total | Actual | | | | | FRONTIER-HG | |
| NI-D | Nickel | ug/l | Dissolved | Actual | | | | | FRONTIER-MTLS | |
| NI-T | Nickel | ug/l | Total | Actual | | | | | FRONTIER-MTLS | |
| PB-D | Lead | ug/l | Dissolved | Actual | | | | | FRONTIER-MTLS | |
| PB-T | Lead | ug/l | Total | Actual | | | | | FRONTIER-MTLS | |
| ZN-D | Zinc | ug/l | Dissolved | Actual | | | | | FRONTIER-MTLS | |
| ZN-T | Zinc | ug/l | Total | Actual | | | | | FRONTIER-MTLS | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| WAL | jean | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Transparency, tube with disk | cm | | Actual | | | | | CSMP-TTUBE100 | |
| | Acceptable Range | 0.00000 - 100.00000 cm | | | | | | | | |
| | Transparency, tube with disk | cm | | Actual | Minimum | | | | CSMP-TTUBE100 | |
| | Acceptable Range | 100.00000 - 100.00000 cm | | | | | | | | |
| | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | FLD CONDUCTANCE | |
| | Acceptable Range | 0.00000 - 60,000.00000 uS/cm | | | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | DO PROBE | |
| | Acceptable Range | 0.00000 - 30.00000 mg/l | | | | | | | | |
| | pH | None | | Actual | | | | | FLD PH | |
| | Acceptable Range | 0.90000 - 12.00000 None | | | | | | | | |
| | Turbidity | FNU | | Actual | | | | | FLD TURB | |
| | Acceptable Range | 0.00000 - 1,000.00000 FNU | | | | | | | | |
| | Transparency, tube with disk | cm | | Actual | | | | | CSMP-TTUBE60 | |
| | Acceptable Range | 0.00000 - 60.00000 cm | | | | | | | | |
| | Transparency, tube with disk | cm | | Actual | Minimum | | | | CSMP-TTUBE60 | |
| | Acceptable Range | 60.00000 - 60.00000 cm | | | | | | | | |
| | Temperature, water | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| ZUMBRO | ZUMBRO Lab | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Turbidity | NTRU | Total | Actual | | | | | 2130 | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | QC10-115-01-1-A | |
| | Solids, Volatile | mg/l | Suspended | Actual | | | | | 2540-E | |
| | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | Dry | | | 2540-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| ZUMBRO2 | ZUMBRO FLD | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Transparency, tube with disk | cm | | Actual | | | | | CSMP-TTUBE60 | |
| | Stream Physical Appearance, Minnesota (choice list) | | | | | | | | CSMP-CONDSUIT-1 | |
| | Stream Recreational Suitability (choice list) | | | | | | | | CSMP-CONDSUIT-1 | |

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MNPCAB

Minnesota Pollution Control Agency Biological Monitoring

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|----------------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| BIO INV | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| BIO PLT | Wetland Plants | Sample | Biological | Taxon Abundance | Aquatic Vegetation | Multi-Taxon Population Census | N |

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Montana Department of Environmental Quality

| | | | | | | | |
|-----------------|---------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLDAIR | Field - Air Msr/Obs | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00020 | Temperature, air | deg C | | Actual | | | | | | |
| 00021 | Temperature, air | deg F | | Actual | | | | | | |
| 00025 | Barometric pressure | mm/Hg | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLDWATER | Field - Water Msr/Obs | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00004 | Stream width measure | ft | | Actual | | | | | | |
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00011 | Temperature, water | deg F | | Actual | | | | | | |
| 00023 | Weight | lb | | Actual | | | | | | |
| 00024 | Length | in | | Actual | | | | | | |
| 00049 | Surface area | mi2 | | Actual | | | | | | |
| 00056 | Flow | gal/day | | Actual | | | | | | |
| 00058 | Flow | gal/min | | Actual | | | | | | |
| 00059 | Flow | gal/min | | Estimated | | | | | | |
| 00060 | Flow | cfs | | Estimated | Mean | | | | | |
| 00061 | Flow | cfs | | Estimated | | | | | | |
| 00064 | Depth, bottom | ft | | Actual | Mean | | | | | |
| 00070 | Turbidity | JCU | | Actual | Mean | | | | | |
| 00076 | Turbidity | FTU | | Actual | Median | | | | | |
| 00080 | Color, True | PCU | | Actual | Mean | | | | | |
| 00082 | Color, True | JTU | | Actual | Mean | | | | 110.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00083 | Color, True | JTU | | Actual | Median | | | | 110.1 | |
| 00090 | Oxidation reduction potential (ORP) | mV | | Actual | | | | | | |
| 00094 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00299 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| 00400 | pH | None | Total | Actual | | | | | | |
| 00406 | pH | None | | Actual | | | | | | |
| 00419 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| 00431 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| 39086 | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| 72019 | Water level in well, measured from MSL | ft | | Actual | | | | | | |
| 72109 | Water level in well, measured from MSL | ft | | Actual | | Wet | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|----------|--------|-----------|--------------|---------|
| LABSED | Lab Sediment Analysis | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01003 | Arsenic | mg/kg | Total | Actual | | | | | 200.7(W) | |
| 01028 | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | |
| 01043 | Copper | mg/kg | Total | Actual | | | | | 200.7(W) | |
| 01053 | Manganese | mg/kg | Total | Actual | | | | | 200.7(W) | |
| 01093 | Zinc | mg/kg | Total | Actual | | | | | | |
| 01148 | Selenium | mg/kg | Total | Actual | | | | | 200.7(W) | |
| 01170 | Iron | mg/kg | Total | Actual | | | | | 200.7(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LABWTR1 | Laboratory Water Analysis, GR1 | Sample | Water | | | | N |

Description Every Characteristic Group seems to be limited to 96 parameters.
This Characteristic Group should only be used for data migration from STOREASE.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | | |
| 00011 | Temperature, water | deg F | | Actual | | | | | | |
| 00300 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | Mean | | | | | |
| 00301 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | | |
| 00310 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | | |
| 00335 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | | | | |
| 00340 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Estimated | | | | | | |
| 00403 | pH | None | Total | Actual | | | | | 150.1 | |
| 00405 | Carbon dioxide | mg/l | Total | Actual | | | | | | |
| 00410 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| 00420 | Alkalinity, Hydroxide as CaCO3 | mg/l | | Actual | | | | | | |
| 00421 | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| 00425 | Alkalinity, Bicarbonate as CaCO3 | mg/l | | Actual | | | | | | |
| 00430 | Alkalinity, Carbonate as CaCO3 | mg/l | Dissolved | Actual | | | | | | |
| 00435 | Acidity as CaCO3 | mg/l | Total | Actual | | | | | | |
| 00440 | Bicarbonate | mg/l | | Actual | | | | | | |
| 00445 | Carbonate ion (CO3-2) | mg/l | | Actual | | | | | | |
| 00448 | Carbonate ion (CO3-2) | mg/l | Fixed | Actual | | | | | | |
| 00451 | Bicarbonate | mg/l | Fixed | Actual | | | | | | |
| 00515 | Solids, Fixed | mg/l | Filterable | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00520 | Solids, Fixed | mg/l | Volatile | Actual | | | | | | |
| 00530 | Solids, Fixed | mg/l | Non-filterable | Actual | | | | | | |
| 00535 | Solids, Fixed | mg/l | | Actual | | | | | | |
| 00550 | Oil and Grease | mg/l | Total | Actual | | | | | | |
| 00556 | Oil and Grease | mg/l | | Actual | | | | | | |
| 00573 | Biomass, periphyton | g/m2 | | Actual | | Dry | | | | |
| 00600 | Nitrogen ion (N) | mg/l | Total | Actual | | | | | | |
| 00608 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Dissolved | Actual | | | | | | |
| 00610 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |
| 00613 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | | |
| 00615 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| 00618 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | | |
| 00620 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| 00624 | Nitrogen, Kjeldahl | mg/l | Suspended | Actual | | | | | | |
| 00625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 00630 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| 00631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| 00640 | Nitrogen, inorganic | mg/l | Total | Actual | | | | | | |
| 00665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| 00666 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | | |
| 00667 | Phosphorus as P | mg/l | Suspended | Actual | | | | | | |
| 00671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 00680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00681 | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | | |
| 00684 | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | | |
| 00685 | Carbon, Total Inorganic | mg/l | Total | Actual | | | | | | |
| 00691 | Carbon, Total Inorganic | mg/l | Dissolved | Actual | | | | | | |
| 00718 | Cyanide | ug/l | | Actual | | | | | | |
| 00720 | Cyanide | mg/l | Total | Actual | | | | | | |
| 00722 | Cyanide | ug/l | Fixed | Actual | | | | | | |
| 00723 | Cyanide | ug/l | Dissolved | Actual | | | | | | |
| 00745 | Sulfide | mg/l | Total | Actual | | | | | | |
| 00900 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | | |
| 00915 | Calcium | mg/l | Dissolved | Actual | | | | | | |
| 00916 | Calcium | mg/l | Total | Actual | | | | | | |
| 00918 | Calcium | mg/l | | Actual | | | | | | |
| 00921 | Magnesium | mg/l | Fixed | Actual | Mean | | | | 200.7(W) | |
| 00923 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| 00925 | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00927 | Magnesium | mg/l | Total | Actual | Mean | | | | 200.7(W) | |
| 00929 | Sodium | mg/l | Total | Actual | Mean | | | | 200.7(W) | |
| 00930 | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 00931 | Sodium | mg/l | Fixed | Calculated | | | | | 200.7(W) | |
| 00935 | Potassium | mg/l | Dissolved | Actual | | | | | | |
| 00937 | Potassium | mg/l | Total | Actual | | | | | | |
| 00939 | Potassium | mg/l | | Actual | | | | | | |
| 00940 | Chloride | mg/l | Total | Actual | | | | | | |
| 00941 | Chloride | mg/l | Dissolved | Actual | | | | | | |
| 00945 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| 00946 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00950 | Fluorides | mg/l | Dissolved | Actual | | | | | | |
| 00951 | Fluorides | mg/l | Total | Actual | | | | | | |
| 00955 | Silica | mg/l | Dissolved | Actual | | | | | | |
| 00956 | Silica | mg/l | Total | Actual | | | | | | |
| 00978 | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00979 | Cobalt | ug/l | Total | Actual | | | | | | |
| 00980 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00981 | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00982 | Thallium | ug/l | Total | Actual | | | | | | |
| 00983 | Tin | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00985 | Vanadium | ug/l | Total | Actual | | | | | | |
| 00998 | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 00999 | Boron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01002 | Arsenic | ug/l | Total | Actual | Mean | | | | 200.7(W) | |
| 01005 | Barium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01007 | Barium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01009 | Barium | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01010 | Beryllium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01012 | Beryllium | ug/l | Total | Actual | Mean | | | | 200.7(W) | |
| 01020 | Boron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01022 | Boron | ug/l | Total | Actual | Mean | | | | 200.7(W) | |
| 01025 | Cadmium | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01027 | Cadmium | ug/l | Total | Actual | | | | | 200.9 | |
| 01030 | Chromium | ug/l | Dissolved | Actual | | | | | 200.9 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LABWTR2 | Laboratory Water Analysis, GR2 | Sample | Water | | | | N |

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Description Every Group seems to have limit of 96 parameters.
This Characteristic Group should only be used for data migration from STOREASE.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01034 | Chromium | ug/l | Total | Actual | | | | | 200.9 | |
| 01035 | Cobalt | ug/l | Dissolved | Actual | | | | | | |
| 01037 | Cobalt | ug/l | Total | Actual | | | | | | |
| 01040 | Copper | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01042 | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01045 | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01046 | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01049 | Lead | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01051 | Lead | ug/l | Total | Actual | | | | | 200.9 | |
| 01054 | Manganese | ug/l | Suspended | Actual | | | | | 200.7(W) | |
| 01055 | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01056 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01057 | Thallium | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01060 | Molybdenum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01062 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01065 | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01067 | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01074 | Nickel | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01075 | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01077 | Silver | ug/l | Total | Actual | | | | | 200.9 | |
| 01079 | Silver | ug/l | Fixed | Actual | | | | | 200.9 | |
| 01080 | Strontium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01082 | Strontium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01085 | Vanadium | ug/l | Dissolved | Actual | | | | | | |
| 01087 | Vanadium | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01090 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01092 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01094 | Zinc | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01095 | Antimony | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01097 | Antimony | ug/l | Total | Actual | | | | | 200.9 | |
| 01100 | Tin | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01102 | Tin | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01104 | Aluminum | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01105 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01106 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01113 | Cadmium | ug/l | Fixed | Actual | | | | | 200.9 | |
| 01114 | Lead | ug/l | Fixed | Actual | | | | | 200.9 | |
| 01118 | Chromium | ug/l | Fixed | Actual | | | | | 200.9 | |
| 01119 | Copper | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01123 | Manganese | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01129 | Molybdenum | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01130 | Lithium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01132 | Lithium | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01134 | Lithium | ug/l | Fixed | Actual | | | | | 200.7(W) | |
| 01140 | Silicon as Si | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 01142 | Silicon as Si | ug/l | Total | Actual | | | | | 200.7(W) | |
| 01145 | Selenium | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01147 | Selenium | ug/l | Total | Actual | | | | | 200.9 | |
| 01172 | Platinum | ug/l | Dissolved | Actual | | | | | | |
| 01501 | Gross alpha radioactivity, (Thorium-230 ref std) | pg/l | Total | Actual | | | | | | |
| 03501 | Gross beta radioactivity, (Cesium-137 ref std) | pg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 29806 | Bicarbonate | mg/l | Dissolved | Actual | | | | | | |
| 31501 | Fecal Coliform | #/100ml | Filterable | Actual | | | | | | |
| 31505 | Fecal Coliform | #/100ml | Total | Actual | | | | | | |
| 31615 | Fecal Coliform | #/100ml | Suspended | Actual | | | | | | |
| 31616 | Fecal Coliform | #/100ml | Fixed | Actual | | | | | | |
| 31673 | Fecal Streptococcus Group Bacteria | #/100ml | Filterable | Actual | | | | | | |
| 32101 | Dichlorobromomethane | ug/l | Total | Actual | | | | | | |
| 32105 | Chlorodibromomethane | ug/l | Total | Actual | | | | | | |
| 32106 | Chloroform | ug/l | Total | Actual | | | | | | |
| 32211 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | | |
| 32223 | Chlorophyll a, uncorrected for pheophytin | mg/m2 | Total | Actual | | | | | | |
| 32228 | Chlorophyll a, uncorrected for pheophytin | mg/m2 | Fixed | Actual | | | | | | |
| 32730 | Phenols (mixture) | ug/l | Fixed | Actual | | | | | | |
| 39390 | Endrin | ug/l | Total | Actual | | | | | | |
| 39400 | Toxaphene | ug/l | Total | Actual | | | | | | |
| 39730 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |
| 39760 | Silvex | ug/l | Total | Actual | | | | | | |
| 45636 | Turbidity | umho/cm | | Actual | | | | | | |
| 46570 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | | |
| 49522 | Hardness, carbonate | Molal | Total | Actual | | | | | | |
| 50060 | Chlorine | mg/l | Total | Actual | | | | | | |
| 50086 | Solids, Total Suspended (TSS) | Molal | Total | Actual | | | | | 160.2 | |
| 50094 | Arsenic | mg/l | Fixed | Actual | | | | | 200.9 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 50095 | Boron | mg/l | Total | Actual | | | | | 200.7(W) | |
| 50104 | Potassium | mg/l | Total | Actual | | | | | | |
| 70300 | Solids, Fixed | mg/l | Filterable | Actual | | | | | | |
| 70506 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | | |
| 70507 | Phosphorus, orthophosphate as P | mg/l | Fixed | Actual | | | | | | |
| 70980 | Productivity, Periphyton | mg/m3/day | Total | Actual | | | | | | |
| 71830 | Hydroxide | mg/l | Total | Actual | | | | | | |
| 71870 | Bromide | mg/l | Total | Actual | | | | | | |
| 71875 | Hydrogen sulfide | mg/l | Total | Actual | | | | | | |
| 80102 | Carbon, Total Organic (Toc) | mg/l | Suspended | Actual | | | | | | |
| 81208 | Cyanide | mg/l | Dissolved | Actual | | | | | | |
| 82040 | Palladium | ug/l | Dissolved | Actual | | | | | | |
| 82230 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------------------|---|--------|--------|-----------|--------------|---------|
| LABWTR3 | Laboratory Water Analysis, GR3 | Sample | Water | | | | N |
| Description | | Every Characteristic Group seems to be limited to 96 parameters. This Characteristic Group should only be used for data migration from STOREASE. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00070 | Turbidity | JCU | | Actual | | | | | | |
| 00082 | Color, True | PCU | | Actual | | | | | | |
| 00095 | Specific conductance | umho/cm | | Actual | | | | | | |
| 00655 | Phosphate | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 01000 | Arsenic | ug/l | Dissolved | Actual | | | | | 200.9 | |
| 01032 | Chromium, hexavalent | ug/l | Total | Actual | | | | | | |
| 01150 | Titanium | ug/l | Dissolved | Actual | | | | | | |
| 71890 | Mercury | ug/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|----------|--------|-----------|--------------|---------|
| PEBL-CNT | Pebble Count as % of Total | Field Msr/Obs | Sediment | | | | N |
| Citations | USDA Forest Service: Harrelson, Cheryl C., Rawlins, C.L., Potyondy, John P., 1994, Stream Channel Reference Sites: An Illustrated Guide to Field Technique, USDA, Forest Service, Rocky Mountain Forest & Range Experiment Station, Vol 1 | | | | | | |
| Description | Bed and Bank Material (substrate) Characterization by the Wolman Pebble Count (1954) as described page 49 - 50, above reference. Silt categorized as <1mm or subdivided if desired. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------------------------------|-----------------|------------|----------------------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Substrate - silt | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | <1 mm | | | |
| 10 | Substrate - gravel, very coarse | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 32 - 45 mm | | | |
| 11 | Substrate - gravel, very coarse | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 45 - 64 mm | | | |
| 12 | Substrate - cobbles, small | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 64 - 90 mm | | | |
| 13 | Substrate - cobbles, small | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 90 - 128 mm | | | |
| 14 | Substrate - cobbles, large | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 128 - 180 mm | | | |
| 15 | Substrate - cobbles, large | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 180 - 256 mm | | | |
| 16 | Substrate - boulders, small | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 % by vol | | | Particle Size Basis | | 256 - 362 mm | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------------------|-----------------|------------|----------------------------|--------------|------------------------------------|------------|---------------------|----------------------------|
| 17 | Substrate - boulders, small | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 362 - 512 mm | | | |
| 18 | Substrate - boulders, medium | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 512 - 1024 mm | | | |
| 19 | Substrate - boulders, large | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 1024 - 2048 mm | | | |
| 2 | Substrate - sand | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 1-2 mm | | | |
| 20 | Substrate - bedrock | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | > 2048 mm | | | |
| 21 | Substrate - miscellaneous other | % sediment | | Actual | Maximum | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 499.00000 | % sediment | | Particle Size Basis | | Total of all categories as a count | | | |
| 3 | Substrate - gravel, very fine | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 2 - 4 mm | | | |
| 4 | Substrate - gravel, fine | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 4 - 6 mm | | | |
| 5 | Substrate - gravel, fine | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 6 - 8 mm | | | |
| 6 | Substrate - gravel, medium | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 8 - 12 mm | | | |
| 7 | Substrate - gravel, medium | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 12 - 16 mm | | | |
| 8 | Substrate - gravel, coarse | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 16 - 22 mm | | | |
| 9 | Substrate - gravel, coarse | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 22 - 32 mm | | | |
| S1 | Substrate - silt, very fine | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 0.062 mm - 0.125 mm | | | |
| S2 | Substrate - silt, fine | % by vol | | Actual | | | | | PEBBLE | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 0.125 mm - 0.25 mm | | | |
| S3 | Substrate - silt, medium | % by vol | | Actual | | | | | PEBBLE | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------------------|-----------------|------------|----------------------------|--------------|-------------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | | | | | | |
| S4 | Substrate - silt, coarse | % by vol | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 | % by vol | | Particle Size Basis | | 0.25 mm - 0.50 mm | | | |
| | | | | | Particle Size Basis | | 0.50 mm - 1.0 mm | | PEBBLE | |

Characteristic Group Details

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MTWTRSHD

Montana Watershed Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|---------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| HABITAT | General Habiat Assessment | Field Msr/Obs | | | | | Y |

Characteristic Group Details

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MWRD

Metro Waste Water Reclamation District (Colorado)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FIELD | Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CON | Specific conductance | uS/cm | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| DOSAT | Dissolved oxygen saturation | % | | Actual | | | | | | |
| FPH | pH | None | Total | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| SECCHI | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TURB | Turbidity | NTU | | Actual | | | | | 180.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SAMPLES | sample parameters | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AGSFW | Silver | ug/l | Dissolved | Actual | | | | | 272.2 | |
| ALITW | Aluminum | mg/l | Total | Actual | | | | | 200.7(W) | |
| ALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | | |
| ALKB | Alkalinity, Bicarbonate as CaCO3 | mg/l | Total | Actual | | | | | 310.1 | |
| ALKT | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.1 | |
| ASTFW | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| CA | Calcium | mg/l | Total | Actual | | | | | 200.7(W) | |

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MWRD

Metro Waste Water Reclamation District (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CBOD | BOD, carbonaceous | mg/l | | Actual | | | | | 5210-B | |
| CDSFW | Cadmium | ug/l | Dissolved | Actual | | | | | 213.2 | |
| CHLA | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| CL | Chloride | mg/l | Total | Actual | | | | | 325.2 | |
| COND | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| COS | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.1 | |
| CUSFW | Copper | ug/l | Dissolved | Actual | | | | | 220.2 | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| ECMPN | Escherichia coli | #/100ml | | Actual | | | | | 1103_1 | |
| FCMF | Fecal Coliform | #/100ml | Filterable | Actual | | | | | 9222-B | |
| FCMPN | Fecal Coliform | #/100ml | Total | Estimated | | | | | 9221-E | |
| FEITW | Iron | mg/l | Total | Actual | | | | | 200.7(W) | |
| FLOW | Flow | cfs | | Actual | | | | | USGS FLOW | |
| FPH | pH | None | | Actual | | | | | 150.1 | |
| HARD | Hardness, carbonate | mg/l | | Actual | | | | | 130.2 | |
| HGCSW | Mercury | ug/l | Dissolved | Actual | | | | | 245.2 | |
| ICPSWCR | Chromium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPSWCU | Copper | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPSWFE | Iron | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPSWMN | Manganese | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPSWNI | Nickel | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPSWPB | Lead | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPSWZN | Zinc | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| ICPTWBE | Beryllium | mg/l | Total | Actual | | | | | 200.7(W) | |
| ICPTWCD | Cadmium | mg/l | Total | Actual | | | | | 200.7(W) | |
| ICPTWCR | Chromium | mg/l | Total | Actual | | | | | 200.7(W) | |

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MWRD

Metro Waste Water Reclamation District (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ICPTWCU | Copper | mg/l | Total | Actual | | | | | 200.7(W) | |
| ICPTWNI | Nickel | mg/l | Total | Actual | | | | | 200.7(W) | |
| ICPTWPB | Lead | mg/l | Total | Actual | | | | | 200.7(W) | |
| ICPTWSB | Antimony | mg/l | Total | Actual | | | | | 200.7(W) | |
| ICPTWZN | Zinc | mg/l | Total | Actual | | | | | 200.7(W) | |
| K | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 200.7(W) | |
| MNITW | Manganese | mg/l | Total | Actual | | | | | 200.7(W) | |
| MOITW | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| NA | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| NH3A | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| NH3AA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| NO2 | Nitrogen, Nitrite (NO2) as N | mg/l | Total | Actual | | | | | 353.3 | |
| NO2A | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.3 | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Calculated | | | | | | |
| NO5 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.1 | |
| OP | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| OPA | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | 365.1 | |
| PBSFW | Lead | ug/l | Dissolved | Actual | | | | | 239.2 | |
| PDAWL | Phosphorus | mg/l | Dissolved | Actual | | | | | 365.1 | |
| POAL | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| PTAWL | Phosphate | mg/l | Total | Actual | | | | | 365.1 | |
| SESF | Selenium | ug/l | Dissolved | Actual | | | | | 270.2 | |

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MWRD

Metro Waste Water Reclamation District (Colorado)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SETFW | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.1 | |
| TDS | Solids, Total Suspended (TSS) | mg/l | Dissolved | Actual | | | | | 160.1 | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TKNH | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 415.1 | |
| TPW | Phosphorus as P | mg/l | Total | Actual | | | | | 365.4 | |
| | Acceptable Range | 0.03000 - 100,000.00000 mg/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 160.1 | |
| TURBI | Turbidity | NTU | | Actual | | | | | 180.1 | |
| UNNH3 | Ammonia, unionized | mg/l | | Calculated | | | | | | |
| WCN | Cyanide | ug/l | Dissolved | Actual | | | | | 335.3 | |

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MWRDSTOR

Metropolitan Water Reclamation District of Greater Chicago

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AWQMN | AMBIENT WATER QUALITY | Sample | Water | | | | N | | | |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AG | Silver | mg/l | Total | Actual | | | | | 3120 | |
| AG SOL | Silver | mg/l | Dissolved | Actual | | | | | 3120 | |
| ALK | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | | | | |
| AS | Arsenic | mg/l | Total | Actual | | | | | 3120 | 200.2 |
| AS SOL | Arsenic | mg/l | Dissolved | Actual | | | | | 3120 | |
| B | Boron | mg/l | Total | Actual | | | | | 3120 | |
| B SOL | Boron | mg/l | Dissolved | Actual | | | | | 3120 | |
| BA | Barium | mg/l | Total | Actual | | | | | 3120 | |
| BA SOL | Barium | mg/l | Dissolved | Actual | | | | | 3120 | |
| BOD5 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| CA | Calcium | mg/l | Total | Actual | | | | | 3120 | |
| CA SOL | Calcium | mg/l | Dissolved | Actual | | | | | 3120 | |
| CBOD5 | BOD, carbonaceous | mg/l | Total | Actual | | | | | 5210-B | |
| CD | Cadmium | mg/l | Total | Actual | | | | | 3120 | |
| CD SOL | Cadmium | mg/l | Dissolved | Actual | | | | | 3120 | |
| CHLORO A | Chlorophyll a, corrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | 200.2 |
| CL | Chloride | mg/l | Total | Actual | | | | | | |
| CN | Cyanide | mg/l | Total | Actual | | | | | 4500-CN(C) | |
| CN-WAD | Cyanide | mg/l | | Actual | | | | | 4500-CN(C) | |
| CR | Chromium | mg/l | Total | Actual | | | | | 3120 | |
| CR SOL | Chromium | mg/l | Dissolved | Actual | | | | | 3120 | |
| CR6 | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | 3500-CR(D) | |

Characteristic Group Details

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MWRDSTOR

Metropolitan Water Reclamation District of Greater Chicago

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CU | Copper | mg/l | Total | Actual | | | | | 3120 | |
| CU SOL | Copper | mg/l | Dissolved | Actual | | | | | 3120 | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-C | |
| ECOLI | Escherichia coli | #/100ml | Total | Actual | | | | | | |
| F | Fluorides | mg/l | | Actual | | | | | | |
| FC | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| FE | Iron | mg/l | Total | Actual | | | | | 3120 | |
| FE SOL | Iron | mg/l | Dissolved | Actual | | | | | 3120 | |
| FOG | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| HG | Mercury | ug/l | Total | Actual | | | | | 3112-B | |
| HG SOL | Mercury | ug/l | Dissolved | Actual | | | | | 3112-B | |
| MG | Magnesium | mg/l | Total | Actual | | | | | 3120 | |
| MG SOL | Magnesium | mg/l | Dissolved | Actual | | | | | 3120 | |
| MN | Manganese | mg/l | Total | Actual | | | | | 3120 | |
| MN SOL | Manganese | mg/l | Dissolved | Actual | | | | | 3120 | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | 350.1 | |
| NI | Nickel | mg/l | Total | Actual | | | | | 3120 | |
| NI SOL | Nickel | mg/l | Dissolved | Actual | | | | | 3120 | |
| NO2+NO3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| PB | Lead | mg/l | Total | Actual | | | | | 3120 | |
| PB SOL | Lead | mg/l | Dissolved | Actual | | | | | 3120 | |
| PH | pH | None | | Actual | | | | | 4500-H | |
| PHENOL | Phenol | ug/l | | Actual | | | | | 420.1 | |
| RADCHM A | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | | |
| RADCHM B | Gross beta radioactivity, | pCi/L | Total | Actual | | | | | | |

Characteristic Group Details

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MWRDSTOR

Metropolitan Water Reclamation District of Greater Chicago

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (Cesium-137 ref std) | | | | | | | | | |
| SE | Selenium | mg/l | Total | Actual | | | | | 3120 | |
| SE SOL | Selenium | mg/l | Dissolved | Actual | | | | | 3120 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | 375.4 | |
| SOL FE | Iron | mg/l | Dissolved | Actual | | | | | 3120 | |
| SOL P | Phosphorus | mg/l | Dissolved | Actual | | | | | 365.4 | |
| SS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 2540-D | |
| TDS | Solids, Dissolved | mg/l | Dissolved | Actual | | | | | 2540-C | 200.2 |
| TEMP C | Temperature, water | deg C | | Actual | | | | | 2550 | |
| TKN | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | 351.2 | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-C | |
| TOT FE | Iron | mg/l | Total | Actual | | | | | 3120 | |
| TOT P | Phosphorus | mg/l | Total | Actual | | | | | 365.4 | |
| TS | Solids, Total | mg/l | Total | Actual | | | | | 2540-B | 200.2 |
| TURB | Turbidity | NTU | | Actual | | | | | | |
| VSS | Solids, Total Suspended (TSS) | mg/l | Volatile | Actual | | | | | | |
| ZN | Zinc | mg/l | Total | Actual | | | | | 3120 | |
| ZN SOL | Zinc | mg/l | Dissolved | Actual | | | | | 3120 | |

Characteristic Group Details

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NARS

EPA National Aquatic Resource Survey Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BNTMTR_S | Bnthc Macroinvert Metrics STOR | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HBI | Hilsenhoff Biotic Index | None | | Calculated | | | | | UNKNOWN | |
| HPRIME | Taxonomic Diversity, Shannon & Wiener Index | None | | Calculated | | | | | UNKNOWN | |
| SIMPSON | Taxonomic Diversity, Simpson Diversity Index | None | | Calculated | | | | | UNKNOWN | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BNTMTR_U | Bnthc Macroinvert Metrics USER | Field Msr/Obs | | | | | Y |

Description User defined characteristics for Benthic Macroinvertebrate Metrics

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| AMPHIND | Amphipod % Individuals (%) | Percent of individuals from the portion of sample counted that are Amphipods |
| AMPHPTAX | Amphipod % Distinct Taxa (%) | Percent of distinct taxa that are Amphipods in the portion of sample counted |
| AMPHRICH | Amphipod Dstnct Taxa Richnss | Number of distinct Amphipod taxa present in the portion of sample counted |
| BURRPIND | Burrower % Individuals (%) | Percent of individuals from the portion of sample counted that are Burrowers |
| BURRPTAX | Burrower % Distinct Taxa (%) | Percent of distinct taxa that are Burrowers in the portion of sample counted |
| BURRRICH | Burrower Dstnct Taxa Richnss | Number of distinct Burrower taxa present in the portion of sample counted |
| CHIRPIND | Chironomid % Individuals (%) | Percent of individuals from the portion of sample counted that are Chironomids |
| CHIRPTAX | Chironomid % Distinct Taxa (%) | Percent of distinct taxa that are Chironomids in the portion of sample counted |
| CHIRRICH | Chironomid Dstnct Taxa Richnss | Number of distinct Chironomid taxa present in the portion of sample counted |
| CLMBPIND | Climber % Individuals (%) | Percent of individuals from the portion of sample counted that are Climbers |
| CLMBPTAX | Climber % Distinct Taxa (%) | Percent of distinct taxa that are Climbers in the portion of sample counted |
| CLMBRICH | Climber Dstnct Taxa Richnss | Number of distinct Climber taxa present in the portion of sample counted |
| CLNGPIND | Clinger % Individuals (%) | Percent of individuals from the portion of sample counted that are Clingers |

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| Row ID | Characteristic Name | Description |
|-----------|--------------------------------|--|
| CLNGPTAX | Clinger % Distinct Taxa (%) | Percent of distinct taxa that are Clingers in the portion of sample counted |
| CLNGRICH | Clinger Dstnct Taxa Richnss | Number of distinct Clinger taxa present in the portion of sample counted |
| COFIPIND | Coll-Filt % Individuals (%) | Percent of individuals from the portion of sample counted that are Collector-Filterers |
| COFIPTAX | Coll-Filt % Dstnct Taxa (%) | Percent of distinct taxa that are Collector-Filterers in the portion of sample counted |
| COFIRICH | Coll-Filt Dstnct Taxa Richnss | Number of distinct collector-filterer taxa present in the portion of sample counted |
| COGAPIND | Coll-Gath % Individuals (%) | Percent of individuals from the portion of sample counted that are Collector-Gatherers |
| COGAPTAX | Coll-Gath % Distinct Taxa (%) | Percent of distinct taxa that are Collector-Gatherers in the portion of sample counted |
| COGARICH | Coll-Gath Dstnct Taxa Richnss | Number of distinct collector-gatherer taxa present in the portion of sample counted |
| COLPPIND | Coleoptera % Individuals (%) | Percent of individuals from the portion of sample counted that are Coleoptera |
| COLPPTAX | Coleoptera % Distinct Taxa (%) | Percent of distinct taxa that are Coleoptera in the portion of sample counted |
| COLPRICH | Coleoptera Dstnct Taxa Richnss | Number of distinct Coleoptera taxa present in the portion of sample counted |
| DOM1PIND | % Indiv in Dominant Taxa (%) | Percent of Individuals from the portion of sample counted that are in the dominant taxa |
| DOM1TAXA | Dominant Taxa (ITIS#) | ITIS number of the dominant taxa in the portion of sample counted |
| DOM3PIND | % Indiv in Top 3 Taxa (%) | Percent of individuals from the portion of sample counted that are in the top 3 taxa |
| DOM5PIND | % Indiv in Top 5 Taxa (%) | Percent of individuals from the portion of sample counted that are in the top 5 taxa |
| EPHEPIND | Ephemeroptera % Indiv (%) | Percent of individuals from the portion of sample counted that are Ephemeroptera |
| EPHEPTAX | Ephemeroptera %Dstnct Taxa (%) | Percent of distinct taxa that are Ephemeroptera in the portion of sample counted |
| EPHERICH | Ephemeroptera Dstnct Taxa Rch | Number of distinct Ephemeroptera taxa present in the portion of sample counted |
| EPT_PIND | EPT % Individuals (%) | Percent of individuals from the portion of sample counted that are Ephemeroptera, Plecoptera, or Trichoptera |
| EPT_PTAX | EPT % Distinct Taxa (%) | Percent of distinct taxa that are Ephemeroptera, Plecoptera, or Trichoptera in the portion of sample counted |
| EPT_RICH | EPT Distinct Taxa Richness | Number of distinct Ephemeroptera, Plecoptera, and Trichoptera taxa present in the portion of sample counted |
| FACLPIIND | Facultative % Individuals (%) | Percent of individuals from the portion of sample counted that are Facultative |
| FACLPTAX | Facultative % Dstnct Taxa (%) | Percent of distinct taxa that are Facultative in the portion of sample counted |
| FACLRICH | Facultative Dstnct Taxa Rch | Number of distinct facultative taxa present in the portion of sample counted |
| HBI | Hilsenhoff Biotic Index | Hilsenhoff Biotic Index. Calculated value. |
| HPRIME | Shannon & Wiener TDI | Shannon & Wiener Macroinvertebrate Taxonomic Diversity Index. Calculated value. |
| INTLPIND | Intolerant % Individuals | Percent of individuals from the portion of sample counted that are Intolerant |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| INTLPTAX | Intolerant % Distinct Taxa (%) | Percent of distinct taxa that are Intolerant in the portion of sample counted |
| INTLRICH | Intolerant Dstnct Taxa Richnss | Number of distinct intolerant taxa present in the portion of sample counted |
| MEGLPIND | Megaloptera % Individuals (%) | Percent of individuals from the portion of sample counted that are Megaloptera |
| MEGLPTAX | Megaloptera % Dstnct Taxa (%) | Percent of distinct taxa that are Megaloptera in the portion of sample counted |
| MEGLRICH | Megaloptera Dstnct Taxa Rch | Number of distinct Megaloptera taxa present in the portion of sample counted |
| MITEPIND | Trombidiforme % Individ (%) | Percent of individuals from the portion of sample counted that are Trombidiformes |
| MITEPTAX | Trombidiforme %Dstnct Taxa (%) | Percent of distinct taxa that are Trombidiforme in the portion of sample counted |
| MITERICH | Trombidiforme Dstnct Taxa Rch | Number of distinct Trombidiforme taxa present in the portion of sample counted |
| MOLLPIND | Mollusc % Individ (%) | Percent of individuals from the portion of sample counted that are Molluscs |
| MOLLPTAX | Mollusc %Dstnct Taxa (%) | Percent of distinct taxa that are Molluscs in the portion of sample counted |
| MOLLRICH | Mollusc Dstnct Taxa Rch | Number of distinct Mollusc taxa present in the portion of sample counted |
| NOINPIND | Non-Insect % Individuals (%) | Percent of individuals from the portion of sample counted that are insects |
| NOINPTAX | Non-Insect % Distinct Taxa (%) | Percent of distinct taxa that are insects in the portion of sample counted |
| NOINRICH | Non-Insect Dstnct Taxa Richnss | Number of distinct insect taxa present in the portion of sample counted |
| NUMTRANS | # Transect Samples Composited | Number of Transect Samples Composited |
| ODONPIND | Odonata % Indiv (%) | Percent of individuals from the portion of sample counted that are Odonata |
| ODONPTAX | Odonata % Dstnct Taxa (%) | Percent of distinct taxa that are Odonata in the portion of sample counted |
| ODONRICH | Odonata Dstnct Taxa Rch | Number of distinct Odonata taxa present in the portion of sample counted |
| OLLEPIND | Oligochaete/Leech % Indiv (%) | Percent of individuals from the portion of sample counted that are Oligochaetes/Leeches |
| OLLEPTAX | Oligochaete % Dstnct Taxa (%) | Percent of distinct taxa that are Oligochaetes/Leeches in the portion of sample counted |
| OLLERICH | Oligochaete Dstnct Taxa Rch | Number of distinct Oligochaete/Leech taxa present in the portion of sample counted |
| OMNIPIND | Omnivore % Individuals (%) | Percent of individuals from the portion of sample counted that are omnivores |
| OMNIPTAX | Omnivore % Distinct Taxa (%) | Percent of distinct taxa that are omnivores in the portion of sample counted |
| OMNIRICH | Omnivore Dstnct Taxa Richness | Number of distinct omnivorous taxa present in the portion of sample counted |
| PCTCOUNT | % of Sample Counted (%) | Percent of the total sample counted |
| PLECPIND | Plecoptera % Individuals (%) | Percent of individuals from the portion of sample counted that are Plecoptera |
| PLECPTAX | Plecoptera % Distinct Taxa (%) | Percent of distinct taxa that are Plecoptera in the portion of sample counted |

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EPA National Aquatic Resource Survey Data

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| PLECRICH | Plecoptera Dstnct Taxa Richnss | Number of distinct Plecoptera taxa present in the portion of sample counted |
| PREDPIND | Predator % Individuals (%) | Percent of individuals from the portion of sample counted that are predators |
| PREDPTAX | Predator % Distinct Taxa (%) | Percent of distinct taxa that are predators in the portion of sample counted |
| PREDRICH | Predator Dstnct Taxa Richness | Number of distinct predator taxa present in the portion of sample counted |
| SCRPPIND | Scraper % Individuals (%) | Percent of individuals from the portion of sample counted that are scrapers |
| SCRPTAX | Scraper % Distinct Taxa (%) | Percent of distinct taxa that are scrapers in the portion of sample counted |
| SCRPRICH | Scraper Distinct Taxa Richness | Number of distinct scaper taxa present in the portion of sample counted |
| SHRDPIND | Shredder % Individuals (%) | Percent of individuals from the portion of sample counted that are shredders |
| SHRDPTAX | Shredder % Distinct Taxa (%) | Percent of distinct taxa that are shredders in the portion of sample counted |
| SHDRICH | Shredder Dstnct Taxa Richness | Number of distinct shredder taxa present in the portion of sample counted |
| SIMPSON | Simpson Taxon Diversity Index | Simpson Taxonomic Diversity Index. Calculated value. |
| SPRLPIND | Sprawler % Individuals (%) | Percent of individuals from the portion of sample counted that are Sprawlers |
| SPRLPTAX | Sprawler % Distinct Taxa (%) | Percent of distinct taxa that are sprawlers in the portion of sample counted |
| SPRLRICH | Sprawler Dstnct Taxa Richness | Number of distinct sprawler taxa present in the portion of sample counted |
| SWIMPIND | Swimmer % Individuals (%) | Percent of individuals from the portion of sample counted that are Swimmers |
| SWIMPTAX | Swimmer % Distinct Taxa (%) | Percent of distinct taxa that are swimmers in the portion of sample counted |
| SWIMRICH | Swimmer Dstnct Taxa Richness | Number of distinct swimmer taxa present in the portion of sample counted |
| TL01PIND | PTV 0-1.9 % Individuals (%) | Percent of individuals from the portion of sample counted that have a Pollution Tolerance Value of 0 to 1.9 |
| TL01PTAX | PTV 0-1.9 % Distinct Taxa (%) | Percent of distinct taxa that have a Pollution Tolerance Value of 0 to 1.9 in the portion of sample counted |
| TL01RICH | PTV 0-1.9 Dstnct Taxa Richness | Number of taxa present in the portion of sample counted with a Pollution Tolerance Value of 0 to 1.9 |
| TL23PIND | PTV 2-3.9 % Individuals (%) | Percent of individuals from the portion of sample counted that have a Pollution Tolerance Value of 2 to 3.9 |
| TL23PTAX | PTV 2-3.9 % Distinct Taxa (%) | Percent of distinct taxa that have a Pollution Tolerance Value of 2 to 3.9 in the portion of sample counted |
| TL23RICH | PTV 2-3.9 Dstnct Taxa Richness | Number of taxa present in the portion of sample counted with a Pollution Tolerance Value of 2 to 3.9 |
| TL45PIND | PTV 4-5.9 % Individuals (%) | Percent of individuals from the portion of sample counted that have a Pollution Tolerance Value of 4 to 5.9 |
| TL45PTAX | PTV 4-5.9 % Distinct Taxa (%) | Percent of distinct taxa that have a Pollution Tolerance Value of 4 to 5.9 in the portion of sample counted |
| TL45RICH | PTV 4-5.9 Dstnct Taxa Richness | Number of taxa present in the portion of sample counted with a Pollution Tolerance Value of 4 to 5.9 |
| TL67PIND | PTV 6-7.9 % Individuals (%) | Percent of individuals from the portion of sample counted that have a Pollution Tolerance Value of 6 to 7.9 |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| TL67PTAX | PTV 6-7.9 % Distinct Taxa (%) | Percent of distinct taxa that have a Pollution Tolerance Value of 6 to 7.9 in the portion of sample counted |
| TL67RICH | PTV 6-7.9 Dstnct Taxa Richness | Number of taxa present in the portion of sample counted with a Pollution Tolerance Value of 6 to 7.9 |
| TL89PIND | PTV 8-10 % Individuals (%) | Percent of individuals from the portion of sample counted that have a Pollution Tolerance Value of 8 to 10 |
| TL89PTAX | PTV 8-10 % Distinct Taxa (%) | Percent of distinct taxa that have a Pollution Tolerance Value of 8 to 10 in the portion of sample counted |
| TL89RICH | PTV 8-10 Dstnct Taxa Richness | Number of taxa present in the portion of sample counted with a Pollution Tolerance Value of 8 to 10 |
| TOLRPIND | Tolerant % Individuals (%) | Percent of individuals from the portion of sample counted that are tolerant |
| TOLRPTAX | Tolerant % Distinct Taxa (%) | Percent of distinct taxa that are tolerant in the portion of sample counted |
| TOLRRICH | Tolerant Dstnct Taxa Richness | Number of distinct tolerant taxa present in the portion of sample counted |
| TOTLDENS | Macroinvert Density (#/m2) | Density of macroinvertebrates in the portion of the sample counted in number per meter sqared |
| TOTLNIND | Total Number of Individuals | Total number of individuals in the portion of the sample counted |
| TOTLRICH | Total Distinct Taxa Richness | Number of distinct taxa present in the portion of sample counted |
| TRICPIND | Trichoptera % Individuals (%) | Percent of individuals from the portion of sample counted that are Trichoptera |
| TRICPTAX | Trichoptera % Dstnct Taxa (%) | Percent of distinct taxa that are Trichoptera in the portion of sample counted |
| TRICRICH | Trichoptera Dstnct Taxa Rch | Number of distinct Trichoptera taxa present in the portion of sample counted |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| CHANNEL | Channel Constraint Data | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|-------------------------------|--|
| BANKFULL | Bankfull width (m) | |
| CHAN_CON | Channel Constraint | Choices CH, CT, CB, UA, US, CL - Need to define what these mean. Question Marlys |
| CONSTRNT | Channel Constraint (choice) | UNC_NARROW = Channel is in Narrow Valley but is not very constrained UNC_BROAD = Channel is Unconstrained in Broad Valley CON_VSHAPED = Channel is very constrained in V-shaped valley CON_BROAD = Channel is in braod valley but channel movement by erosion is contrained by Incision |
| FEATURES | Features Constraining Channel | Bedrock - "BEDROCK" (i.e. channel is bedrock-dominated gorge) Hillslope - "HILLSLOPE" (i.e. channel is contrained in narrow V-shaped valley) Terrace - "TERRACE" (i.e. channel is contrained by its own incision into river/stream gravel/soil deposits) |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------|--|
| | | Human Bank Alterations - "HUMAN" (i.e. constrained by rip-rap, landfill, dike, road, etc.) No Constraining Features - "NOCONST" |
| PATTERN | Channel Pattern | SINGLE = One channel ANASTOM = Anastomosing (complex) channel BRAIDED = Braided channel |
| PERCENT | % Contact With Constraint | Percent of channel length in contact with the constraint. |
| VALLEY | Valley Width | A visual estimate of the valley width in meters |
| VALLYBOX | Valley Width Greater | Enter "Y" if the valley width is greater than what is visible. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CNPYCOV | Canopy Cover by Densiometer | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|-------------------------------|---|
| COM_FLDF | Flag for canopy cover measure | Flag for measurement given by field crew. See Wadeable Streams Assessment documentation for explanations. |
| DENSIOM | Count using sphr. densiometer | Count using spherical densiometer; 0 = no canopy cover; 17 = maximum canopy cover |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| FISHCOV | In Channel Fish Cover | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|-------------------------------|--|
| ALGAE | Cvr Class- Filamentous Algae | Cover class for filamentous algae (long streaming algae that often occur in slow moving waters); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| ALGAE_F | Flag - Filamentous algae | Flag for filamentous algae cover measure. See WSA documentation for explanation. |
| BOULDR | Cvr. Class-In Chan. Boulders | Cover class for in-channel boulders (typically basketball- to car-sized particles); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| BOULDR_F | Flag - In Channel Boulders | Flag for In Channel Boulder measurement. See WSA documentation for explanation. |
| BRUSH | Cvr. Class-Brush/Woody Debris | Cover class for woody debris less than 0.3m in diameter (smaller wood pieces that primarily affect cover but not morphology); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| BRUSH_F | Flag - Brush/Woody Debris | Flag for Brush/Woody Debris measurement. See WSA documentation for explanations. |
| COM_FLDF | General Measurement Comment | General comment assigned by field personnel for the measurement activity. See WSA documentation for explanation. |
| CONSTRT | Channel Constraint | Channel Constraint. See WSA documentation for explanation of letter codes. |
| MACPHY | Cvr. Class-Macrophyton | Cover class for aquatic macrophytes (water-loving plants, including mosses, in the stream that could provide cover for fish or macroinvertebrates; if the stream channel contains live wetland grasses, include these as macrophytes); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| MACPHY_F | Flag - Macrophyton | Flag for aquatic macrophyte measurement. See WSA documentation for explanations. |
| OVRHNG | Cvr. Class-Overhanging Veg. | Cover class for overhanging vegetation (includes tree branches, brush, twigs, or other small debris that is not in the water but is close to the stream (within 1 m of the surface) and provides potential cover); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| OVRHNG_F | Flag - Overhanging Veg | Flag for Overhanging Vegetation. See WSA documentation for explanations. |
| ROOTS | Cvr. Class-Roots | Flag for Living Trees or Roots (living trees that are within the channel -- estimate the areal cover provided by the parts of these trees or roots that are inundated; for ephemeral channels, estimate the proportional cover of these trees that is inundated during bankfull flows) |
| ROOTS_F | Flag - Roots | Flag for living trees or roots. |
| SEEOVRBK | Ability to See Over Bank | Flags the ability to see over bank. Y = can see over bank. N = cannot see over bank. |
| SHOR2VEG | Dist from shore to nearest veg | Distance from shore to the nearest vegetation (m) |
| STRUCT | Cvr. Class-Artificial Struct. | Cover class for artificial structures (include those designed for fish habitat enhancement, as well as in-channel structures discarded (e.g., concrete, asphalt, cars, or tires) or purposefully placed for diversion, impoundment, channel stabilization, or other purposes); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| STRUCT_F | Flag - Artificial Structures | Flag for artificial structures measurement. See WSA documentation for explanations. |
| UNDCUT | Cvr. Class-Bank Undercuts | Cover class for Bank Undercuts; "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| UNDCUT_F | Flag - Bank Undercuts | Flag - Bank Undercuts measurement. See WSA documentation for explanations. |
| WOODY | Cvr. Class-Woody Debris >0.3m | Cover class for woody debris greater than 0.3m (the larger pieces of wood that can influence cover and stream morphology (i.e., those pieces that would be included in the large woody debris tally); "0"=absent: zero cover, "1"=sparse: <10%, "2"=moderate: 10-40%, "3"=heavy: 40-75%, or "4"=very heavy: >75% |
| WOODY_F | Flag - Woody Debris Understory | Flag for Woody Debris Understory (>0.3m). See WSA documentation for explanation. |

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|--|--------------------------------|--|---------------|---------------|------------------|---------------------|----------------|
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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FLOW | Stream Velocity & Flow Msrmnts | Field Msr/Obs | | | | | Y |
| Row ID | Characteristic Name | Description | | | | | |
| FLOW | Instantaneous Discharge | Measured in m ³ /sec | | | | | |
| FLOWMETH | Flow Measurement Method | VEL_DEPTH = Velocity Area Method; BUCKET = Timed Filling Method; ROUGH_EST = Field crew made rough estimate; QVAL = Discharge determed directly in field using meter; VISUAL_EST = Visual estimate of flow made by field crew; Refer to Wadeable Streams documentation for details | | | | | |
| FLOW_CFS | Instantaneous Discharge (cfs) | Measured in cfs (cubic feet per second) | | | | | |
| NINTRVL | Velocity Intervals | Number of Non-zero velocity intervals | | | | | |
| SWIDTH | Stream Width at Discharge Pt | Stream with at discharge point measured in meters (m) | | | | | |
| XS_AREA | Water Cross Sectional Area | Cross sectional area of stream measured in square centimeters (cm ²) | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| INPLNT | Invasive Plant Data - Species | Field Msr/Obs | | | | | Y |
| Row ID | Characteristic Name | Description | | | | | |
| NONE1 | No listed invasive sp. present | No listed invasive species present denoted by "X"; otherwise a blank result or no result presented. | | | | | |
| SPECIES1 | Species present in Riprn. Zone | The name of identified species in the riparian zone. Abbreviations for species names as follows: -Lpd. Latifolium = Lepidium latifolium -MRNG. GLORY-EX. = MORNING GLORY-EXOTIC -OLIVE TREE PRSN = OLIVE TREE PRESENT -Phal. arndnacea = Phalaris arundinacea -Phal. arndnacea = Phalaris arundinaceae -PURPLE LSSTRF. = PURPLE LOOSESTRIFE -RabbitfootGrass = RABBITFOOT GRASS -ReedCanaryGrass = Reed canary grass -RUSS. KNAPWEED? = RUSSIAN KNAPWEED? -SVRLF. SCURFPEA = SILVERLEAF SCURFPEA -SM THSTL-FLDMNS = SMALL THISTLE (FLODMANS) -SM THSTL FLDMN? = SMALL THISTLE (FLODMANS?) -SPOTTED KNAPWD. = SPOTTED KNAPWEED -SNFLWR-CULTIVAR = SUNFLOWER (CULTIVAR) -SNFLR-CULTIVAR? = SUNFLOWER (CULTIVAR?) | | | | | |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| | | <ul style="list-style-type: none"> -SWT WHT. CLOVER = SWEET WHITE CLOVER -SWT WHT. CLOVER = SWEET WHITECLOVER -SWT WHT. CLOVER = SWEETWHITE CLOVER -SYMP. OCCIDEN. = SYMPHORICARPOS OCCIDENTALIS -THSTL-BULL FLD? = THISTLE (BULL FLOD?) -UNK. = UNKNOWN -UNK GRASS/SEDGE = UNKNOWN GRASSES/SEDGE -UNK. MUSTARD = UNKNOWN MUSTARD -UNK GRASS/SEDGE = UNKNOWN SEDGE/GRASSES -UNK. SUNFLOWER = UNKNOWN SUNFLOWER -VA. = VIRGINIA -W. = WESTERN -W. WHEAT GRASS = WESTERN WHEAT GRASS -WHT SWT. CLOVER = WHITE SWEET CLOVER -YLW SWT. CLOVER = YELLOW SWEETCLOVER |
| SPECIES2 | 2nd Species present in Rp. Zn. | <p>The name of identified species in the riparian zone. Abbreviations for species names as follows:</p> <ul style="list-style-type: none"> -Lpd. Latifolium = Lepidium latifolium -MRNG. GLORY-EX. = MORNING GLORY-EXOTIC -OLIVE TREE PRSN = OLIVE TREE PRESENT -Phal. arndnacea = Phalaris arundinacea -Phal. arndnacea = Phalaris arundinaceae -PURPLE LSSTRF. = PURPLE LOOSESTRIFE -RabbitfootGrass = RABBITFOOT GRASS -ReedCanaryGrass = Reed canary grass -RUSS. KNAPWEED? = RUSSIAN KNAPWEED? -SVRLF. SCURFPEA = SILVERLEAF SCURFPEA -SM THSTL-FLDMNS = SMALL THISTLE (FLODMANS) -SM THSTL FLDMN? = SMALL THISTLE (FLODMANS?) -SPOTTED KNAPWD. = SPOTTED KNAPWEED -SNFLWR-CULTIVAR = SUNFLOWER (CULTIVAR) -SNFLR-CULTIVAR? = SUNFLOWER (CULTIVAR?) -SWT WHT. CLOVER = SWEET WHITE CLOVER -SWT WHT. CLOVER = SWEET WHITECLOVER -SWT WHT. CLOVER = SWEETWHITE CLOVER -SYMP. OCCIDEN. = SYMPHORICARPOS OCCIDENTALIS -THSTL-BULL FLD? = THISTLE (BULL FLOD?) -UNK. = UNKNOWN -UNK GRASS/SEDGE = UNKNOWN GRASSES/SEDGE |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| | | <ul style="list-style-type: none"> -UNK. MUSTARD = UNKNOWN MUSTARD -UNK GRASS/SEDGE = UNKNOWN SEDGE/GRASSES -UNK. SUNFLOWER = UNKNOWN SUNFLOWER -VA. = VIRGINIA -W. = WESTERN -W. WHEAT GRASS = WESTERN WHEAT GRASS -WHT SWT. CLOVER = WHITE SWEET CLOVER -YLW SWT. CLOVER = YELLOW SWEETCLOVER |
| SPECIES3 | 3rd Species present in Rp. Zn. | <p>The name of identified species in the riparian zone. Abbreviations for species names as follows:</p> <ul style="list-style-type: none"> -Lpd. Latifolium = Lepidium latifolium -MRNG. GLORY-EX. = MORNING GLORY-EXOTIC -OLIVE TREE PRSN = OLIVE TREE PRESENT -Phal. arndnacea = Phalaris arundinacea -Phal. arndnacea = Phalaris arundinaceae -PURPLE LSSTRF. = PURPLE LOOSESTRIFE -RabbitfootGrass = RABBITFOOT GRASS -ReedCanaryGrass = Reed canary grass -RUSS. KNAPWEED? = RUSSIAN KNAPWEED? -SVRLF. SCURFPEA = SILVERLEAF SCURFPEA -SM THSTL-FLDMNS = SMALL THISTLE (FLODMANS) -SM THSTL FLDMN? = SMALL THISTLE (FLODMANS?) -SPOTTED KNAPWD. = SPOTTED KNAPWEED -SNFLWR-CULTIVAR = SUNFLOWER (CULTIVAR) -SNFLR-CULTIVAR? = SUNFLOWER (CULTIVAR?) -SWT WHT. CLOVER = SWEET WHITE CLOVER -SWT WHT. CLOVER = SWEET WHITECLOVER -SWT WHT. CLOVER = SWEETWHITE CLOVER -SYMP. OCCIDEN. = SYMPHORICARPOS OCCIDENTALIS -THSTL-BULL FLD? = THISTLE (BULL FLOD?) -UNK. = UNKNOWN -UNK GRASS/SEDGE = UNKNOWN GRASSES/SEDGE -UNK. MUSTARD = UNKNOWN MUSTARD -UNK GRASS/SEDGE = UNKNOWN SEDGE/GRASSES -UNK. SUNFLOWER = UNKNOWN SUNFLOWER -VA. = VIRGINIA -W. = WESTERN -W. WHEAT GRASS = WESTERN WHEAT GRASS -WHT SWT. CLOVER = WHITE SWEET CLOVER -YLW SWT. CLOVER = YELLOW SWEETCLOVER |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| SPECIES4 | 4th Species present in Rp. Zn. | <p>The name of identified species in the riparian zone. Abbreviations for species names as follows: -Lpd. Latifolium = Lepidium latifolium -MRNG. GLORY-EX. = MORNING GLORY-EXOTIC -OLIVE TREE PRSN = OLIVE TREE PRESENT -Phal. arndnacea = Phalaris arundinacea -Phal. arndnacea = Phalaris arundinaceae -PURPLE LSSTRF. = PURPLE LOOSESTRIFE -RabbitfootGrass = RABBITFOOT GRASS -ReedCanaryGrass = Reed canary grass -RUSS. KNAPWEED? = RUSSIAN KNAPWEED? -SVRLF. SCURFPEA = SILVERLEAF SCURFPEA -SM THSTL-FLDMNS = SMALL THISTLE (FLODMANS) -SM THSTL FLDMN? = SMALL THISTLE (FLODMANS?) -SPOTTED KNAPWD. = SPOTTED KNAPWEED -SNFLWR-CULTIVAR = SUNFLOWER (CULTIVAR) -SNFLR-CULTIVAR? = SUNFLOWER (CULTIVAR?) -SWT WHT. CLOVER = SWEET WHITE CLOVER -SWT WHT. CLOVER = SWEET WHITECLOVER -SWT WHT. CLOVER = SWEETWHITE CLOVER -SYMP. OCCIDEN. = SYMPHORICARPOS OCCIDENTALIS -THSTL-BULL FLD? = THISTLE (BULL FLOD?) -UNK. = UNKNOWN -UNK GRASS/SEDGE = UNKNOWN GRASSES/SEDGE -UNK. MUSTARD = UNKNOWN MUSTARD -UNK GRASS/SEDGE = UNKNOWN SEDGE/GRASSES -UNK. SUNFLOWER = UNKNOWN SUNFLOWER -VA. = VIRGINIA -W. = WESTERN -W. WHEAT GRASS = WESTERN WHEAT GRASS -WHT SWT. CLOVER = WHITE SWEET CLOVER -YLW SWT. CLOVER = YELLOW SWEETCLOVER</p> |
| SPECIES5 | 5th Species present in Rp. Zn. | <p>The name of identified species in the riparian zone. Abbreviations for species names as follows: -Lpd. Latifolium = Lepidium latifolium -MRNG. GLORY-EX. = MORNING GLORY-EXOTIC -OLIVE TREE PRSN = OLIVE TREE PRESENT -Phal. arndnacea = Phalaris arundinacea -Phal. arndnacea = Phalaris arundinaceae</p> |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| | | <ul style="list-style-type: none"> -PURPLE LSSTRF. = PURPLE LOOSESTRIFE -RabbitfootGrass = RABBITFOOT GRASS -ReedCanaryGrass = Reed canary grass -RUSS. KNAPWEED? = RUSSIAN KNAPWEED? -SVRLF. SCURFPEA = SILVERLEAF SCURFPEA -SM THSTL-FLDMNS = SMALL THISTLE (FLODMANS) -SM THSTL FLDMN? = SMALL THISTLE (FLODMANS?) -SPOTTED KNAPWD. = SPOTTED KNAPWEED -SNFLWR-CULTIVAR = SUNFLOWER (CULTIVAR) -SNFLR-CULTIVAR? = SUNFLOWER (CULTIVAR?) -SWT WHT. CLOVER = SWEET WHITE CLOVER -SWT WHT. CLOVER = SWEET WHITECLOVER -SWT WHT. CLOVER = SWEETWHITE CLOVER -SYMP. OCCIDEN. = SYMPHORICARPOS OCCIDENTALIS -THSTL-BULL FLD? = THISTLE (BULL FLOD?) -UNK. = UNKNOWN -UNK GRASS/SEDGE = UNKNOWN GRASSES/SEDGE -UNK. MUSTARD = UNKNOWN MUSTARD -UNK GRASS/SEDGE = UNKNOWN SEDGE/GRASSES -UNK. SUNFLOWER = UNKNOWN SUNFLOWER -VA. = VIRGINIA -W. = WESTERN -W. WHEAT GRASS = WESTERN WHEAT GRASS -WHT SWT. CLOVER = WHITE SWEET CLOVER -YLW SWT. CLOVER = YELLOW SWEETCLOVER |
| SPECIES6 | 6th Species present in Rp. Zn. | <p>The name of identified species in the riparian zone. Abbreviations for species names as follows:</p> <ul style="list-style-type: none"> -Lpd. Latifolium = Lepidium latifolium -MRNG. GLORY-EX. = MORNING GLORY-EXOTIC -OLIVE TREE PRSN = OLIVE TREE PRESENT -Phal. arndnacea = Phalaris arundinacea -Phal. arndnacea = Phalaris arundinaceae -PURPLE LSSTRF. = PURPLE LOOSESTRIFE -RabbitfootGrass = RABBITFOOT GRASS -ReedCanaryGrass = Reed canary grass -RUSS. KNAPWEED? = RUSSIAN KNAPWEED? -SVRLF. SCURFPEA = SILVERLEAF SCURFPEA -SM THSTL-FLDMNS = SMALL THISTLE (FLODMANS) -SM THSTL FLDMN? = SMALL THISTLE (FLODMANS?) |

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| Row ID | Characteristic Name | Description |
|---------|--------------------------------|---|
| | | -SPOTTED KNAPWD. = SPOTTED KNAPWEED -SNFLWR-CULTIVAR = SUNFLOWER (CULTIVAR) -SNFLR-CULTIVAR? = SUNFLOWER (CULTIVAR?) -SWT WHT. CLOVER = SWEET WHITE CLOVER -SWT WHT. CLOVER = SWEET WHITECLOVER -SWT WHT. CLOVER = SWEETWHITE CLOVER -SYMP. OCCIDEN. = SYMPHORICARPOS OCCIDENTALIS -THSTL-BULL FLD? = THISTLE (BULL FLOD?) -UNK. = UNKNOWN -UNK GRASS/SEDGE = UNKNOWN GRASSES/SEDGE -UNK. MUSTARD = UNKNOWN MUSTARD -UNK GRASS/SEDGE = UNKNOWN SEDGE/GRASSES -UNK. SUNFLOWER = UNKNOWN SUNFLOWER -VA. = VIRGINIA -W. = WESTERN -W. WHEAT GRASS = WESTERN WHEAT GRASS -WHT SWT. CLOVER = WHITE SWEET CLOVER -YLW SWT. CLOVER = YELLOW SWEETCLOVER |
| TARGET1 | Targetted Species Flag | For the first identified species: 1 = the species is a targetted species; 0 = the species is not targetted. |
| TARGET2 | Targetted Species Flag -2nd ID | For the second identified species: 1 = the species is a targetted species; 0 = the species is not targetted. |
| TARGET3 | Targetted Species Flag -3rd ID | For the third identified species: 1 = the species is a targetted species; 0 = the species is not targetted. |
| TARGET4 | Targetted Species Flag -4th ID | For the fourth identified species: 1 = the species is a targetted species; 0 = the species is not targetted. |
| TARGET5 | Targetted Species Flag -5th ID | For the fifth identified species: 1 = the species is a targetted species; 0 = the species is not targetted. |
| TARGET6 | Targetted Species Flag -6th ID | For the sixth identified species: 1 = the species is a targetted species; 0 = the species is not targetted. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| INVPLNT | Invasive plant metrics | Field Msr/Obs | | | | | Y |
| Row ID | Characteristic Name | Description | | | | | |
| F_ARCMIN | Arctium minus, Rch. with | | | | | | |
| F_ARUDON | Arundo donax, Rch. with | | | | | | |
| F_BROTEC | Bromus tectorum, Rch. with | | | | | | |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|----------------------------------|
| F_CARDRA | Cardaria draba, Rch. with | |
| F_CARNUT | Carduus nutans, Rch. with | |
| F_CIRARV | Cirsium arvense, Rch. with | |
| F_DIPFUL | Dipsacus fullonum., Rch. with | |
| F_ELAANG | Elaeagnus angustifolia, Rch. w | |
| F_EUPESU | Euphorbia esula, Rch. with | |
| F_HEDHEL | Hedera helix, Rch. with | |
| F_LEPLAT | Lepidium latifolium, Rch. with | |
| F_PHAARU | Phalaris arundinaceae, Rch. wi | |
| F_RUBDIS | Rubus discolor, Rch. with | |
| F_TAMSPP | Tamarisk spp., Rch. with | |
| F_XMISSX | No target species., Reach with | |
| F_XNONTX | Non-target spp., Reach with | |
| IP_SCORE | Invasive plant score | Invasive plant score (=SUM(f_*)) |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| LGTREE | Legacy Tree Data | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| DBH | Diameter breast height (m) | Diameter breast height measured in meteres |
| DISTANCE | Distance from river/stream (m) | Distance from river/stream wetted margin measured in meters (m) |
| HEIGHT | Estimated height (m) | Estimated height in meters (m) |
| NOTREES | No trees in range or sight | No trees in range or sight marked with "No trees" otherwise left blank |
| SPECIES | Species present in Rip. Zone | Species present in the riparian zone. Abbreviations for results in this field: -Brdlf Evergreen = Broadleaf Evergreen. |
| TREE | Tree type | Tree type Abbreviations used for results in this field: |

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| Row ID | Characteristic Name | Description |
|--------|---------------------|--|
| | | -SAF. = SUB-ALPINE FIR -COTTONWD = COTTONWOOD -W. = WESTERN -UNK. = UNKNOWN -CO. = COLORADO -CA. = CALIFORNIA -JNPR. = JUNIPER -E. = EASTERN -NRWLF. = NARROWLEAF -BRN = BURNT -SNGLF. = SINGLELEAF -ALP. = ALPINE -FRMNT. = FREEMONT & FREMONT -CED/CYP/SEQ = CEDAR/CYPRUS/SEQUOIA -ENGMN. = ENGLEMANN/ENGELMANN -BUF. = BUFFALO -DSRT. = DESERT -FR/DG FR/HMLK = FIR/DOUG FIR/HEMLOCK ->30* = TOP BROKEN OFF; >30 HEIGHT |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LGWOODY | Large Woody Debris Counts | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| COM_FLDF | Activity Comment | Flag for the results of this activity. See Wadeable Streams documentation for an explanation of flags used. |
| DRYLDLL | Dry Large Diameter Long Length | Count of dry large diameter long length large woody debris |
| DRYLDML | Dry Large Dia Medium Length | Count of dry large diameter medium length large woody debris |
| DRYLDL | Dry Large Dia. Short Length | Count of dry, large diameter, short length large woody debris |
| DRYMDLL | Dry Medium Dia. Long Length | Count of dry, medium diameter, long length large woody debris |
| DRYMDML | Dry Medium Dia. Medium Length | Count of dry, medium diameter, medium length large woody debris |
| DRYMDL | Dry Medium Dia. Short Length | Count of dry, medium diameter, short length large woody debris |
| DRYSDLL | Dry Small Dia. Long Length | Count of dry, small diameter, long length large woody debris |

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| Row ID | Characteristic Name | Description |
|---------|-------------------------------|--|
| DRYSDML | Dry Small Dia. Medium Length | Count of dry, small diameter, medium length large woody debris |
| DRYSDSL | Dry Small Dia. Short Length | Count of dry, small diameter, short length large woody debris |
| DRYXDLL | Dry XLarge Dia. Long Length | Count of dry, X-large diameter, long length large woody debris |
| DRYXDML | Dry Xlarge Dia. Medium Length | Count of dry, X-large diameter, medium length large woody debris |
| DRYXDSL | Dry Xlarge Dia. Short Length | Count of dry, X-large diameter, short length large woody debris |
| WETLDLL | Wet Large Dia. Long Length | Count of wet, large diameter, long length large woody debris |
| WETLDML | Wet Large Dia. Medium Length | Count of wet, large diameter, medium length large woody debris |
| WETLDSL | Wet Large Dia. Short Length | Coutn of wet, large diameter, short length large woody debris |
| WETMDLL | Wet Medium Dia. Long Length | Count of wet, medium diameter, long length large woody debris |
| WETMDML | Wet Medium Dia. Medium Length | Count of wet, medium diameter, medium length large woody debris |
| WETMDSL | Wet Medium Dia. Short Length | Count of wet, medium diameter, short length large woody debris |
| WETSDDL | Wet Small Dia. Long Length | Count of wet, small diameter, long length large woody debris |
| WETSDML | Wet Small Dia. Medium Length | Count of wet, small diameter, medium length large woody debris |
| WETSDSL | Wet Small Dia. Short Length | Count of wet, small diameter, short length large woody debris |
| WETXDLL | Wet XLarge Dia. Long Length | Count of wet, X-large diameter, long length large woody debris |
| WETXDML | Wet XLarge Dia. Medium Length | Count of wet, X-Large diameter, medium length large woody debris |
| WETXDSL | Wet XLarge Dia. Short Length | Count of wet, X-Large diameter, short length large woody debris |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| MESOSUB | Mesotransect Substrate Data | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| COM_FLDF | Results flag | Flag for results as defined by field personnel. No explanations provided with data. |
| SUB_5_7 | Extra substrate station | 5 or 7. See Wadeable Streams documentation on Substrate Measurement Procedures for an explanation of this result. |
| XSUBLCTR | Extra substrate class-LfCenter | Extra substrate class - left of center. See Wadeable Streams documentation on Substrate Measurement Procedures for an explanation of this result. |
| XSUBRCTR | Extra substrate class-RtCenter | Extra substrate class - right of center. See Wadeable Streams documentation on Substrate Measurement Procedures for |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| | | an explanation of this result. |
| XSUB_CTR | Extra substrate class - center | Extra substrate class - center. See Wadeable Streams documentation on Substrate Measurement Procedures for an explanation of this result. |
| XSUB_LFT | Extra substrate class - left | Extra substrate class - left. See Wadeable Streams documentation on Substrate Measurement Procedures for an explanation of this result. |
| XSUB_RGT | Extra substrate class - right | Extra substrate class - right. See Wadeable Streams documentation on Substrate Measurement Procedures for an explanation of this result. |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---------------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| MHTREE | Legacy tree metrics | Field Msr/Obs | | | | | Y |
| Row ID | Characteristic Name | Description | | | | | |
| LTFRACL | Legacy fraction >= large | Legacy fraction of reach trees >= large | | | | | |
| LTFRACM | Legacy fraction >= medium | Legacy fraction of reach trees >= medium | | | | | |
| LTFRACS | Legacy fraction >= small | Legacy fraction of reach trees >= small | | | | | |
| LTFRACX | Legacy fraction >= Xlarg | Legacy fraction of reach trees >= Xlarge | | | | | |
| LTMDDIST | Legacy mean dist of trees >= m | Legacy mean dist of trees >= median size | | | | | |
| LTMDDOM | Legacy dominant sp. >= median | Legacy dominant sp. >= median size | | | | | |
| LTMDDOMN | Legacy dominant sp. count | | | | | | |
| LTMDSUB | Legacy subdominant sp. >= medi | Legacy subdominant sp. >= median size | | | | | |
| LTMDSUBN | Legacy subdominant sp. count | Legacy subdominant sp. count | | | | | |
| LTMXCNT | Legacy number of largest trees | | | | | | |
| LTMXDBH | Legacy largest tree dbh | | | | | | |
| LTMXDIST | Legacy largest tree distance | | | | | | |
| LTMXHT | Legacy largest tree height | | | | | | |
| LTMXSIZE | Legacy largest tree size class | Legacy largest tree size class (SMLX) | | | | | |
| LTMXSPP | Legacy largest tree species | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PHABCOM | Field Comment Explanations | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|----------------------|---------------------------------|
| COM_FLD | Comments | Comments |
| COM_FLDF | Flag | Flag |
| COM_NO | Comments sorting seq | Comments sorting sequence numbe |
| COM_TYPE | Comment type | Comment type |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PHABMET | Physical Habitat Metrics | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| AREASUM | Resid. Pool Vert Profile Area | Resid. Pool Vert Profile Area (m2/reach) |
| AREASUMC | Resid. Pool Vert Profile ar/ch | Resid. Pool Vert Profile Area (m2/chan.) |
| BFWD_RAT | Mean bankfull width/depth rat | Mean bankfull width/depth ratio (m/m) |
| BKA_Q1 | Bank Angle-Lower Quartile | Bank Angle-Lower Quartile (degrees) |
| BKA_Q3 | Bank Angle-Upper Quartile | Bank Angle-Upper Quartile (degrees) |
| BKUN_Q1 | Undercut Distance-Lower Quart | Undercut Distance-Lower Quartile (m) |
| BKUN_Q3 | Undercut Distance-Upper Quart | Undercut Distance-Upper Quartile (m) |
| C1D | LWD above Bkf channel | LWD above Bkf channel (#/rch-all sizes) |
| C1DM100 | LWD above Bkf chnl | LWD above Bkf chnl (#/100m-all sizes) |
| C1T | LWD in/over Bkf channel | LWD in/over Bkf channel(#/rch-all sizes) |
| C1TM100 | LWD in/above Bkfl chan | LWD in/above Bkfl chan(#/100m-all sizes) |
| C1W | LWD in Bankfull channel | LWD in Bankfull channel(#/rch-all sizes) |
| C1WM100 | LWD in Bkf chnl | LWD in Bkf chnl (#/100m-all sizes) |
| C1W_MSQ | LWD in Bkf chnl m2 | LWD in Bkf chnl (#/m2-all sizes) |
| C2D | LWD above Bkf channel C2D | LWD above Bkf channel (#/rch-S,M,L,X) |
| C2DM100 | LWD above Bkf chnl C2DM100 | LWD above Bkf chnl (#/100m-S,M,L,X) |

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| Row ID | Characteristic Name | Description |
|---------|--------------------------------|--|
| C2T | LWD in/over Bkf channel C2T | LWD in/over Bkf channel (#/rch-S,M,L,X) |
| C2TM100 | LWD in/above Bkfl cha C2TM100 | LWD in/above Bkfl chan (#/100m-S,M,L,X) |
| C2W | LWD in Bankfull channel C2W | LWD in Bankfull channel (#/rch-S,M,L,X) |
| C2WM100 | LWD in Bkf chnl C2WM100 | LWD in Bkf chnl (#/100m-S,M,L,X) |
| C2W_MSQ | LWD in Bkf chnl C2W_MSQ | LWD in Bkf chnl (#/m2-S,M,L,X) |
| C3D | LWD above Bkf channel C3D | LWD above Bkf channel (#/rch-M,L,X) |
| C3DM100 | LWD above Bkf chnl C3DM100 | LWD above Bkf chnl (#/100m-M,L,X) |
| C3T | LWD in/over Bkf channel C3T | LWD in/over Bkf channel (#/rch-M,L,X) |
| C3TM100 | LWD in/above Bkfl chan C3TM100 | LWD in/above Bkfl chan (#/100m-M,L,X) |
| C3W | LWD in Bankfull channel C3W | LWD in Bankfull channel (#/rch-M,L,X) |
| C3WM100 | LWD in Bkf chnl C3WM100 | LWD in Bkf chnl (#/100m-M,L,X) |
| C3W_MSQ | LWD in Bkf chnl C3W_MSQ | LWD in Bkf chnl (#/m2-M,L,X) |
| C4D | LWD above Bkf channel C4D | LWD above Bkf channel (#/rch-L,X) |
| C4DM100 | LWD above Bkf chnl C4DM100 | LWD above Bkf chnl (#/100m-L,X) |
| C4T | LWD in/over Bkf channel C4T | LWD in/over Bkf channel (#/rch-L,X) |
| C4TM100 | LWD in/above Bkfl chan C4TM100 | LWD in/above Bkfl chan (#/100m-L,X) |
| C4W | LWD in Bankfull channel C4W | LWD in Bankfull channel (#/rch-L,X) |
| C4WM100 | LWD in Bkf chnl C4WM100 | LWD in Bkf chnl (#/100m-L,X) |
| C4W_MSQ | LWD in Bkf chnl C4W_MSQ | LWD in Bkf chnl (#/m2-L,X) |
| C5D | LWD above Bkf channel C5D | LWD above Bkf channel (#/rch-X) |
| C5DM100 | LWD above Bkf chnl C5DM100 | LWD above Bkf chnl (#/100m-X) |
| C5T | LWD in/over Bkf channel C5T | LWD in/over Bkf channel (#/rch-X) |
| C5TM100 | LWD in/above Bkfl chan C5TM100 | LWD in/above Bkfl chan (#/100m-X) |
| C5W | LWD in Bankfull channel C5W | LWD in Bankfull channel (#/rch-X) |
| C5WM100 | LWD in Bkf chnl C5WM100 | LWD in Bkf chnl (#/100m-X) |
| C5W_MSQ | LWD in Bkf chnl C5W_MSQ | LWD in Bkf chnl (#/m2-X) |
| CROWS_D | Straight line valley length | Straight line valley length of reach (m) |

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| Row ID | Characteristic Name | Description |
|-----------|--------------------------------|--|
| FISH_D | Reach Length fish | Reach Length (m) -- as the fish swims |
| INTERVAL | Dist. betw. Thalweg measuremnt | Dist. betw. Thalweg measurements (m) |
| INTQBKA | Bank Angle-interquartile range | Bank Angle-interquartile range (degrees) |
| INTQBKUN | Undercut Distance- interquart | Undercut Distance- interquart range, (m) |
| LDMB_BW4 | Log10[Erodible Substr Dia. | Log10[Erodible Substr Dia.(mm)]-old #2 |
| LDMB_BW5 | Log10[Erodible Substr Dia. est | Log10[Erodible Substr Dia.(mm)]-Est. 2 |
| LGDIATOT | Count/reach all small dia lwd | Count/reach all small dia lwd |
| LGDRYDIA | Count/reach all dry large dia | Count/reach all dry large dia lwd |
| LGDRYLEN | LGDRYLEN | Count/reach all dry long len lwd |
| LGLENTOT | Count/reach all long len lwd | Count/reach all long len lwd |
| LGWETDIA | Count/reach all wet large dia | Count/reach all wet large dia lwd |
| LGWETLEN | Count/reach all wet long len | Count/reach all wet long len lwd |
| LOCMETHOD | Channel location method | Channel location method (GPS/ANALOG) |
| LRBS_BW4 | Log10[Relative Bed Stability] | Log10[Relative Bed Stability] - old #2 |
| LRBS_BW5 | Log10[Relative Bed Stab est | Log10[Relative Bed Stability] - Est. 2 |
| LRBS_BW6 | Log10[Erod. sub. dia.]- Est. 2 | Log10[Erod. sub. dia.]- Est. 2, split BL |
| LRBS_TST | Log10[Relative Bed Stab fast | Log10[Relative Bed Stability] - Fast est |
| LSUB2D16 | 16.0000 percentile, log2dmm | the 16.0000 percentile, log2dmm |
| LSUB2D25 | Lower quartile, log2dmm | the lower quartile, log2dmm |
| LSUB2D50 | Median, log2dmm | the median, log2dmm |
| LSUB2D75 | Upper quartile, log2dmm | the upper quartile, log2dmm |
| LSUB2D84 | 84.0000 percentile, log2d | the 84.0000 percentile, log2dmm |
| LSUB2DMM | Mean, log2dmm | the mean, log2dmm |
| LSUB2IQR | Interquartile range | the interquartile range, log2dmm |
| LSUBD2SD | Standard deviation, log2dmm | the standard deviation, log2dmm |
| LSUBD_SD | Substrate-StDev LOG10 | Substrate-StDev LOG10(Diam Class mm) |
| LSUB_D16 | Substrate-D16 LOG10 | Substrate-D16 LOG10(Diam Class mm) |

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| Row ID | Characteristic Name | Description |
|-----------|--------------------------------|--|
| LSUB_D25 | Substrate-D25 LOG10 | Substrate-D25 LOG10(Diam Class mm) |
| LSUB_D50 | Substrate-Median LOG10 | Substrate-Median LOG10(Diam Class mm) |
| LSUB_D75 | Substrate-D75 LOG10 | Substrate-D75 LOG10(Diam Class mm) |
| LSUB_D84 | Substrate-D84 LOG10 | Substrate-D84 LOG10(Diam Class mm) |
| LSUB_DMM | Substrate-Mean Log10 | Substrate-Mean Log10(Diam Class mm) |
| LSUB_IQR | Substrate-IntQt Rng LOG10 | Substrate-IntQt Rng LOG10(Diam class mm) |
| LTEST | Log10[Erodible Substr Dia.(mm) | Log10[Erodible Substr Dia.(mm)]-Fast est |
| LWDDV33 | Volume/reach (Robison 1998) | Volume/reach (Robison 1998) of dry lwd |
| LWDDVCAL | Volume/reach (other) of dry | Volume/reach (other) of dry lwd |
| LWDTV33 | Volume/reach all lwd | Volume/reach (Robison 1998) of all lwd |
| LWDTVICAL | Volume/reach (other) of lwd | Volume/reach (other) of all lwd |
| LWDWV33 | Volume/reach wet lwd | Volume/reach (Robison 1998) of wet lwd |
| LWDWVCAL | Volume/reach (other) wet lwd | Volume/reach (other) of wet lwd |
| MDDIATOT | Count/reach all MDDIATOT | Count/reach all small dia lwd |
| MDDRYDIA | Count/reach all dry medium dia | Count/reach all dry medium dia lwd |
| MDDRYLEN | Count/reach all dry medium len | Count/reach all dry medium len lwd |
| MDLENTOT | Count/reach all medium len lwd | Count/reach all medium len lwd |
| MDWETDIA | Count/reach all wet medium dia | Count/reach all wet medium dia lwd |
| MDWETLEN | Count/reach all wet medium len | Count/reach all wet medium len lwd |
| MEDBKUN | Undercut Distance--Median (m) | Undercut Distance--Median (m) |
| MEDBK_A | Bank Angle--Median (degrees) | Bank Angle--Median (degrees) |
| N | Num of obs. of substrate SIZE | Number of obs. of substrate SIZE_CLS |
| N33 | Number of observations in XEMB | number of observations in XEMBED |
| N55 | Number of observations in XCEM | number of observations in XCSEMBED |
| NBNK | Number of Bank Obs-Densiometer | Number of Bank Obs-Densiometer |
| NC | Number of nonmissing wet obs | number of nonmissing wet obs |
| NMID | Number of Mid-channel Obs-Dens | Number of Mid-channel Obs-Densiometer |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| NRP | Number of residual pools | Number of residual pools in reach |
| NS | Number of nonmissing dry obs | number of nonmissing dry obs |
| NSLP | # of values used to calc mean | # of values used to calc mean slope |
| N_BA | Number of observations--Bank A | Number of observations--Bank Angle |
| N_BFRAT | Number of nonmissing values, b | number of nonmissing values, bf_rat |
| N_BH | No observations-Bankfull Heigh | no observations-Bankfull Height |
| N_BW | No observations--Bankfull Widt | no observations--Bankfull Width |
| N_D | Number of obs -- Thalweg Depth | Number of obs -- Thalweg Depth |
| N_INCIS | No of observations-Chan Incisi | no of observations-Chan Incision Ht.(m) |
| N_UN | Number of observations--Underc | Number of observations--Undercut dist. |
| N_W | Number of obs -- Wetted Width | Number of obs -- Wetted Width |
| N_WD | Number of obs -- W*D Product | Number of obs -- W*D Product |
| N_WDR | Number of obs -- W/D Ratio | Number of obs -- W/D Ratio |
| N_XTOT | Number of X/east dists sinuous | Number of X/east dists for sinuosity |
| N_YTOT | Number of Y/north dists sinuos | Number of Y/north dists for sinuosity |
| PCAN_C | Riparian Canopy Coniferous | Riparian Canopy Coniferous (Fract reach) |
| PCAN_D | Riparian Canopy Deciduous | Riparian Canopy Deciduous (Fract. reach) |
| PCAN_E | Rip Canopy Broadf evgrn | Rip Canopy Broadf evgrn (Fract of rch) |
| PCAN_M | Rip Canopy Mix Conif-Decid | Rip Canopy Mix Conif-Decid (Fract reach) |
| PCAN_N | Rip Canopy Absent | Rip Canopy Absent (Fraction of reach) |
| PCTCHARP | % of chan. length that forms | % of chan. length that forms resid pools |
| PCTCHASD | % of chan. length with sedimen | % of chan. length with sediments present |
| PCTDSED | % of pool tail length with sed | % of pool tail length with sed. |
| PCTPSED | Pool Sediment(<16mm) Pres. | Pool Sediment(<16mm) Pres. (%len of RPs) |
| PCTRCHRP | Resid. pool length proportion | Resid. pool length proportion (%of rch) |
| PCTRSED | Thal. Sedmt. (<16mm) Pres. | Thal. Sedmt. (<16mm) Pres.(%len of Thal) |
| PCTUSED | % of pool head length with sed | % of pool head length with sediment |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|---|
| PCT_BDRK | Substrate Bedrock (%) | Substrate Bedrock (%) |
| PCT_BIGR | Substrate >= Coarse Gravel | Substrate >= Coarse Gravel (>16 mm) (%) |
| PCT_BL | Substrate Boulders | Substrate Boulders -- 250-4000 mm (%) |
| PCT_CA | Cascade (% of reach) | Cascade (% of reach) |
| PCT_CB | Substrate Cobbles -- 64-250 mm | Substrate Cobbles -- 64-250 mm (%) |
| PCT_DR | Dry channel (% of reach) | Dry channel (% of reach) |
| PCT_DRS | Dry Channel or Subsurf Flow (%) | Dry Channel or Subsurf Flow (%) |
| PCT_FA | Falls (% of reach) | Falls (% of reach) |
| PCT_FAST | Fast Wtr Hab (% riffle & faste | Fast Wtr Hab (% riffle & faster) |
| PCT_FN | Substrate Fines Silt/Clay/Muck | Substrate Fines -- Silt/Clay/Muck (%) |
| PCT_GC | Substrate Coarse Gravel | Substrate Coarse Gravel -- 16-64 mm (%) |
| PCT_GF | Substrate Fine Gravel | Substrate Fine Gravel -- 2-16 mm (%) |
| PCT_GL | Glide (% of reach) | Glide (% of reach) |
| PCT_HP | Substrate Hardpan -- (%) | Substrate Hardpan -- (%) |
| PCT_OM | Substrate Organic Detritus | Substrate Organic Detritus -- (%) |
| PCT_ORG | Substrate Wood or Detritus | Substrate Wood or Detritus -- (%) |
| PCT_OT | Substrate Miscellaneous -- (%) | Substrate Miscellaneous -- (%) |
| PCT_P | Pool--Type not noted | Pool--Type not noted (% of reach) |
| PCT_PB | Backwater Pool (% of reach len | Backwater Pool (% of reach length) |
| PCT_PD | Impoundment Pool (% of reach) | Impoundment Pool (% of reach) |
| PCT_PL | Lateral Scour Pool (% of reach | Lateral Scour Pool (% of reach) |
| PCT_POOL | Pools -- All Types (% of reach | Pools -- All Types (% of reach) |
| PCT_PP | Plunge Pool (% of reach) | Plunge Pool (% of reach) |
| PCT_PT | Trench Pool (% of reach) | Trench Pool (% of reach) |
| PCT_RA | Rapids (% of reach) | Rapids (% of reach) |
| PCT_RC | Substrate Concrete (%) | Substrate Concrete (%) |
| PCT_RI | Riffle (% of reach) | Riffle (% of reach) |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|--|
| PCT_RR | Substrate Rough Bedrock (%) | Substrate Rough Bedrock (%) |
| PCT_RS | Substrate Smooth Bedrock (%) | Substrate Smooth Bedrock (%) |
| PCT_SA | Substrate Sand -- .06-2 mm (%) | Substrate Sand -- .06-2 mm (%) |
| PCT_SAFN | Substrate Sand & Fines | Substrate Sand & Fines -- <2 mm (%) |
| PCT_SB | Substrate Boulders 250-1000 | Substrate Boulders -- 250-1000 mm (%) |
| PCT_SFGF | Substrate <= Fine Gravel | Substrate <= Fine Gravel (<=16 mm) (%) |
| PCT_SIDE | Side channel presence | Side channel presence (% of reach) |
| PCT_SLOW | Slow Wtr Hab (% Glide & Pool) | Slow Wtr Hab (% Glide & Pool) |
| PCT_SUB | Subsurface Flow (% of reach) | Subsurface Flow (% of reach) |
| PCT_WD | Substrate Woody -- (%) | Substrate Woody -- (%) |
| PCT_XB | Substrate Boulders 1000-4000 | Substrate Boulders -- 1000-4000 mm (%) |
| PFC_ALG | Filamentous Algae Presence | Filamentous Algae Presence (% Rch) |
| PFC_ALL | Any Types Fsh Cvr Present | Any Types Fsh Cvr Present (% Rch) |
| PFC_AQM | Aq. Macrophytes Presence | Aq. Macrophytes Presence (% Rch) |
| PFC_BIG | LWD,RCK,OHB or HUM Fsh Cvr | LWD,RCK,OHB or HUM Fsh Cvr Pres (% Rch) |
| PFC_BRS | Brush & Small Debris Prsnce | Brush & Small Debris Prsnce (% Rch) |
| PFC_HUM | Artif. Structs. Presence | Artif. Structs. Presence (% Rch) |
| PFC_LWD | LWD Presence (% Rch) | LWD Presence (% Rch) |
| PFC_NAT | Any Natural Fish Cover Present | Any Natural Fish Cover Present (% Rch) |
| PFC_OHV | Overhang. Veg. Presence (% Rch) | Overhang. Veg. Presence (% Rch) |
| PFC_RCK | Boulders Presence (% Rch) | Boulders Presence (% Rch) |
| PFC_UCB | Undercut Bank Presence (% Rch) | Undercut Bank Presence (% Rch) |
| PMID_C | Rip MidLayer Coniferous (Fract | Rip MidLayer Coniferous (Fraction reach) |
| PMID_D | Rip MidLayer Deciduous (Fracti | Rip MidLayer Deciduous (Fraction reach) |
| PMID_E | Rip MidLayer broadlf evgrn (F | Rip MidLayer broadlf evgrn (Frac reach) |
| PMID_M | Rip MidLayer Mix Con-Decid (Fr | Rip MidLayer Mix Con-Decid (Fract reach) |
| PMID_N | Rip MidLayer Absent | Rip MidLayer Absent (Fraction of reach) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| RCHDLDLL | Count/reach dry large dia long | Count/reach dry large dia long len lwd |
| RCHDLDML | Count/reach dry large dia medi | Count/reach dry large dia medium len lwd |
| RCHDLDSL | Count/reach dry large dia shor | Count/reach dry large dia short len lwd |
| RCHDMDLL | Count/reach dry medium dia lon | Count/reach dry medium dia long len lwd |
| RCHDMDML | Count/reach dry medium dia med | Count/reach dry medium dia med. len lwd |
| RCHDMDSL | Count/reach dry medium dia sho | Count/reach dry medium dia short len lwd |
| RCHDRYT | Count/reach all dry size class | Count/reach all dry size classes |
| RCHDSDLL | Count/reach dry small dia long | Count/reach dry small dia long len lwd |
| RCHDSMML | Count/reach dry small dia medi | Count/reach dry small dia medium len lwd |
| RCHSDDSL | Count/reach dry small dia shor | Count/reach dry small dia short len lwd |
| RCHDXDLL | Count/reach dry xlarge dia lon | Count/reach dry xlarge dia long len lwd |
| RCHDXDML | Count/reach dry xlarge dia med | Count/reach dry xlarge dia med. len lwd |
| RCHDXDSL | Count/reach dry xlarge dia sho | Count/reach dry xlarge dia short len lwd |
| RCHTLDLL | Count/reach tot large dia long | Count/reach tot large dia long len lwd |
| RCHTLDML | Count/reach tot large dia medi | Count/reach tot large dia medium len lwd |
| RCHTLDSL | Count/reach tot large dia shor | Count/reach tot large dia short len lwd |
| RCHTMDLL | Count/reach tot medium dia lon | Count/reach tot medium dia long len lwd |
| RCHTMDML | Count/reach tot medium dia med | Count/reach tot medium dia med len lwd |
| RCHTMDSL | Count/reach tot medium dia sho | Count/reach tot medium dia short len lwd |
| RCHTSDLL | Count/reach tot small dia long | Count/reach tot small dia long len lwd |
| RCHTSDML | Count/reach tot small dia medi | Count/reach tot small dia medium len lwd |
| RCHTSDSL | Count/reach tot small dia shor | Count/reach tot small dia short len lwd |
| RCHTXDLL | Count/reach tot xlarge dia lon | Count/reach tot xlarge dia long len lwd |
| RCHTXDML | Count/reach tot xlarge dia med | Count/reach tot xlarge dia med len lwd |
| RCHTXDSL | Count/reach tot xlarge dia sho | Count/reach tot xlarge dia short len lwd |
| RCHWDT | Count/reach all wood | Count/reach all wood |
| RCHWETT | Count/reach all wet size class | Count/reach all wet size classes |

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| Row ID | Characteristic Name | Description |
|----------|--|--|
| RCHWLDLL | Count/reach wet large dia long | Count/reach wet large dia long len lwd |
| RCHWLDML | Count/reach wet large dia medi | Count/reach wet large dia medium len lwd |
| RCHWLDSL | Count/reach wet large dia shor | Count/reach wet large dia short len lwd |
| RCHWMDLL | Count/reach wet medium dia lon | Count/reach wet medium dia long len lwd |
| RCHWMDML | Count/reach wet medium dia med | Count/reach wet medium dia med. len lwd |
| RCHWMDSL | Count/reach wet medium dia sho | Count/reach wet medium dia short len lwd |
| RCHWSDLL | Count/reach wet small dia long | Count/reach wet small dia long len lwd |
| RCHWSDML | Count/reach wet small dia medi | Count/reach wet small dia medium len lwd |
| RCHWSDSL | Count/reach wet small dia shor | Count/reach wet small dia short len lwd |
| RCHWXDLL | Count/reach wet xlarge dia lon | Count/reach wet xlarge dia long len lwd |
| RCHWXDML | Count/reach wet xlarge dia med | Count/reach wet xlarge dia med. len lwd |
| RCHWXDSL | Count/reach wet xlarge dia sho | Count/reach wet xlarge dia short len lwd |
| REACHLEN | Length of sample reach (m) | Length of sample reach (m) |
| RP100 | Mean Residual Depth (m ² /100m) | Mean Residual Depth (m ² /100m) |
| RP100C | Mean resid area per 100 m of c | Mean resid area per 100 m of chan. |
| RPGT100 | Resid Pools >100cm deep | Resid Pools >100cm deep (number/reach) |
| RPGT50 | Resid Pools >50cm deep | Resid Pools >50cm deep (number/reach) |
| RPGT75 | Resid Pools >75cm deep | Resid Pools >75cm deep (number/reach) |
| RPMXAR | Max. RP profile area in rch | Max. RP profile area in rch (m ² /pool) |
| RPMXDEP | Maximum residual depth | Maximum residual depth in reach (cm) |
| RPMXLEN | Max. resid pool length | Max. resid pool length in reach (m/pool) |
| RPMXVOL | Max volume of any pool | Max volume of any pool in reach (m ³) |
| RPMXWID | Max resid width of any pool | Max resid width of any pool in reach (m) |
| RPV100C | Residual volume | Residual volume (m ³ /100m channel) |
| RPV100R | Residual Pool Volume | Residual Pool Volume (m ³ /100m reach) |
| RPVAREA | StdDev profile area of RPs | StdDev profile area of RPs (m ² /pool) |
| RPVDEP | StdDev of residual pool depths | StdDev of residual pool depths (cm) |

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| Row ID | Characteristic Name | Description |
|------------|--------------------------------|---|
| RPVLEN | StdDev length of resid pools | StdDev length of resid pools (m/pool) |
| RPXAREA | Mean vert. profile area of RPs | Mean vert. profile area of RPs (m2/pool) |
| RPXDEP | Mean RP depth in reach | Mean RP depth in reach (cm/pool) |
| RPXLEN | Mean length of resid pools | Mean length of resid pools (m/pool) |
| RPXVOL | Mean resid pool volume | Mean resid pool volume (m ³ /pool) |
| RPXWID | Mean resid width of reach (m) | Mean resid width of reach (m) |
| SAMPLED | Sample status (PHab) | Sample status (PHab) |
| SDBKF_H | Bankfull Height-Std. Dev. (m) | Bankfull Height-Std. Dev. (m) |
| SDBKF_W | Bankfull Width--Std. Dev. (m) | Bankfull Width--Std. Dev. (m) |
| SDBK_A | Bank Angle--Std. Dev. | Bank Angle--Std. Dev. (degrees) |
| SDDEPTH | Std Dev of Thalweg Depth (cm) | Std Dev of Thalweg Depth (cm) |
| SDINC_H | Channel Incision Ht.-Std. Dev. | Channel Incision Ht.-Std. Dev. (m) |
| SDUN | Undercut Distance--Std. Dev. | Undercut Distance--Std. Dev. (m) |
| SDWD_RAT | Std Dev of Width/Depth Ratio | Std Dev of Width/Depth Ratio (m/m) |
| SDWIDTH | Std Dev of Wetted Width (m) | Std Dev of Wetted Width (m) |
| SDWXD | Std Dev of Width*Depth Product | Std Dev of Width*Depth Product (m2) |
| SEGMENTS | No separate portions side chan | Number of separate portions in side chan |
| SHDRYLEN | Count/reach all dry short len | Count/reach all dry short len lwd |
| SHLENTOT | Count/reach all short len lwd | Count/reach all short len lwd |
| SHWETLEN | Count/reach all wet short len | Count/reach all wet short len lwd |
| SIDECNT | Side chan presence flag | side chan presence flag, -1 if removed |
| SINU | Channel Sinuosity (m/m) | Channel Sinuosity (m/m) |
| SMDIATOT | Count/reach SMDIATOT | Count/reach all small dia lwd |
| SMDRYDIA | Count/reach all dry small dia | Count/reach all dry small dia lwd |
| SMWETDIA | Count/reach all wet small dia | Count/reach all wet small dia lwd |
| S_LDMB_BW5 | S_LDMB_BW5 | |
| S_LRBS_BW5 | Est. lrbs_bw5 using s_rp100 | Est. lrbs_bw5 using s_rp100 |

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| Row ID | Characteristic Name | Description |
|------------|--|---|
| S_LRBS_BW6 | Est. lrbs_bw6 using s_rp100 | Est. lrbs_bw6 using s_rp100 |
| S_RP100 | Est. rp100 from sddepth & xslo | Est. rp100 from sddepth and xslope |
| TOTCHLEN | Total length of channel | Total length of channel, main + side (m) |
| TOTDPLEN | Sum of pool tail lengths | Sum of pool tail lengths (m/reach) |
| TOTDPSDL | Sum pool tail lengths with sed | Sum pool tail lengths with sed.(m/reach) |
| TOTEAST | Net east-west travel of reach | net east-west travel of reach |
| TOTNORTH | Net north-south travel of reac | net north-south travel of reach |
| TOTPLEN | Total resid pool length | Total resid pool length (m/reach) |
| TOTPLENC | Total resid pool length (m/cha | Total resid pool length (m/chan.) |
| TOTPVOL | Total resid pool volume (m ³ /r | Total resid pool volume (m ³ /reach) |
| TOTPVOLC | Total resid pool volume (m ³ /c | Total resid pool volume (m ³ /chan.) |
| TOTSDLEN | Total RP length with sediment | Total RP length with sediment (m/reach) |
| TOTSDLNC | Total RP length with sed m/ch | Total RP length with sediment (m/chan.) |
| TOTUPLEN | Sum of pool head lengths | Sum of pool head lengths (m/reach) |
| TOTUPSDL | Sum pool head lengths with sed | Sum pool head lengths with sed.(m/reach) |
| TRANSPC | Mean dist. b/t Transects (m) | Mean distance between transects (m) |
| V1D | LWD vol above Bkf chnl | LWD vol above Bkf chnl(m3/rch-all sizes) |
| V1DM100 | LWD Vol above Bkf chnl | LWD Vol above Bkf chnl(m3/100m-all size) |
| V1T | LWD vol in/abv Bkf chnl | LWD vol in/abv Bkf chnl(m3/rch-all size) |
| V1TM100 | LWD Vol in/abv Bf chan | LWD Vol in/abv Bf chan(#/100m-all sizes) |
| V1W | LWD vol in Bkf chnl | LWD vol in Bkf chnl (m3/rch-all sizes) |
| V1WM100 | LWD Vol in Bkf chnl | LWD Vol in Bkf chnl (m3/100m-all sizes) |
| V1W_MSQ | LWD Vol in Bkf chnl V1W_MSQ | LWD Vol in Bkf chnl (m3/m2-all sizes) |
| V2D | LWD vol above Bkf chnl V2D | LWD vol above Bkf chnl (m3/rch-S,M,L,X) |
| V2DM100 | LWD Vol above Bkf chnl m3/100m | LWD Vol above Bkf chnl (m3/100m-S,M,L,X) |
| V2T | LWD vol in/abv Bkf chnl (m3/rc | LWD vol in/abv Bkf chnl (m3/rch-S,M,L,X) |
| V2TM100 | LWD Vol in/abv Bf chan #/100m | LWD Vol in/abv Bf chan (#/100m-S,M,L,X) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| V2W | LWD vol in Bkf chnl m3/rch | LWD vol in Bkf chnl (m3/rch-S,M,L,X) |
| V2WM100 | LWD Vol in Bkf chnl (m3/100m | LWD Vol in Bkf chnl (m3/100m-S,M,L,X) |
| V2W_MSQ | LWD Vol in Bkf chnl (m3/m2 | LWD Vol in Bkf chnl (m3/m2-S,M,L,X) |
| V3D | LWD vol above Bkf chnl (m3/rch | LWD vol above Bkf chnl (m3/rch-M,L,X) |
| V3DM100 | LWD Vol above Bkf chnl V3DM100 | LWD Vol above Bkf chnl (m3/100m-M,L,X) |
| V3T | LWD vol in/abv Bkf chnl V3T | LWD vol in/abv Bkf chnl (m3/rch-M,L,X) |
| V3TM100 | LWD Vol in/abv Bf chan V3TM100 | LWD Vol in/abv Bf chan (#/100m-M,L,X) |
| V3W | LWD vol in Bkf chnl (m3/rch-M, | LWD vol in Bkf chnl (m3/rch-M,L,X) |
| V3WM100 | LWD Vol in Bkf chnl (m3/100m-M | LWD Vol in Bkf chnl (m3/100m-M,L,X) |
| V3W_MSQ | LWD Vol in Bkf chnl (m3/m2-M,L | LWD Vol in Bkf chnl (m3/m2-M,L,X) |
| V4D | LWD vol above Bkf chnl V4D | LWD vol above Bkf chnl (m3/rch-L,X) |
| V4DM100 | LWD Vol above Bkf chnl V4DM100 | LWD Vol above Bkf chnl (m3/100m-L,X) |
| V4T | LWD vol in/abv Bkf chnl V4T | LWD vol in/abv Bkf chnl (m3/rch-L,X) |
| V4TM100 | LWD Vol in/abv Bf chan V4TM100 | LWD Vol in/abv Bf chan (#/100m-L,X) |
| V4W | LWD vol in Bkf chnl V4W | LWD vol in Bkf chnl (m3/rch-L,X) |
| V4WM100 | LWD Vol in Bkf chnl V4WM100 | LWD Vol in Bkf chnl (m3/100m-L,X) |
| V4W_MSQ | LWD Vol in Bkf chnl (m3/m2-L,X | LWD Vol in Bkf chnl (m3/m2-L,X) |
| V5D | LWD vol above Bkf chnl V5D | LWD vol above Bkf chnl (m3/rch-X) |
| V5DM100 | LWD Vol above Bkf chnl V5DM100 | LWD Vol above Bkf chnl (m3/100m-X) |
| V5T | LWD vol in/abv Bkf chnl V5T | LWD vol in/abv Bkf chnl (m3/rch-X) |
| V5TM100 | LWD Vol in/abv Bf chan V5TM100 | LWD Vol in/abv Bf chan (#/100m-X) |
| V5W | LWD vol in Bkf chnl (m3/rch-X) | LWD vol in Bkf chnl (m3/rch-X) |
| V5WM100 | LWD Vol in Bkf chnl (m3/100m-X | LWD Vol in Bkf chnl (m3/100m-X) |
| V5W_MSQ | LWD Vol in Bkf chnl (m3/m2-X) | LWD Vol in Bkf chnl (m3/m2-X) |
| VCDENBK | Std. Dev. Bank Canopy Density | Std. Dev. Bank Canopy Density (%) |
| VCDENMID | Std. Dev. Mid-channel Canopy D | Std. Dev. Mid-channel Canopy Density (%) |
| VCEMBED | SD Embeddedness--Channel only | SD Embeddedness--Channel only (%) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| VEMBED | SD Embeddedness--Channel+Margi | SD Embeddedness--Channel+Margin (%) |
| VISIT_NO | Number identifying which visit | Number identifying which visit this is |
| VSLOPE | Std Dev of Channel % Slope | Std Dev of Channel % Slope |
| W1H_BLDG | Rip Dist--Buildings | Rip Dist--Buildings (ProxWt Pres) |
| W1H_CROP | Rip Dist--Row Crop | Rip Dist--Row Crop (ProxWt Pres) |
| W1H_LDFL | Rip Dist--Trash/Landfill | Rip Dist--Trash/Landfill (ProxWt Pres) |
| W1H_LOG | Rip Dist--Logging Activity | Rip Dist--Logging Activity (ProxWt Pres) |
| W1H_MINE | Rip Dist--Mining Activity | Rip Dist--Mining Activity (ProxWt Pres) |
| W1H_PARK | Rip Dist--Lawn/Park | Rip Dist--Lawn/Park (ProxWt Pres) |
| W1H_PIPE | Rip Dist--Pipes infl/effl | Rip Dist--Pipes infl/effl (ProxWt Pres) |
| W1H_PSTR | Rip Dist--Pasture/Hayfield | Rip Dist--Pasture/Hayfield (ProxWt Pres) |
| W1H_PVMT | Rip Dist--Pavement | Rip Dist--Pavement (ProxWt Pres) |
| W1H_ROAD | Rip Dist--Road/Railroad | Rip Dist--Road/Railroad (ProxWt Pres) |
| W1H_WALL | Rip Dist--Wall/Bank Revet. | Rip Dist--Wall/Bank Revet. (ProxWt Pres) |
| W1_HAG | Rip Dist--Sum Agric Types | Rip Dist--Sum Agric Types (ProxWt Pres) |
| W1_HALL | Rip Dist--Sum All Types | Rip Dist--Sum All Types (ProxWt Pres) |
| W1_HNOAG | Rip Dist--Sum NonAg Types | Rip Dist--Sum NonAg Types (ProxWt Pres) |
| XBEARING | Mean Flow Direction of reach | Mean Flow Direction of reach (degrees) |
| XBKA | Bank Angle--mean (degrees) | Bank Angle--mean (degrees) |
| XBKF_H | Bankfull Height-Mean (m) | Bankfull Height-Mean (m) |
| XBKF_W | Bankfull Width--Mean (m) | Bankfull Width--Mean (m) |
| XB_HAG | Rip Dist-Sum Ag Types instrm | Rip Dist-Sum Ag Types instrm & in plot |
| XB_HALL | Rip Dist--Sum All Types instrm | Rip Dist--Sum All Types instrm & on bank |
| XB_HNOAG | Rip Dist Sum-Non ag Types inst | Rip Dist Sum-Non ag Types instrm & Plot |
| XC | Riparian Veg Canopy Cover | Riparian Veg Canopy Cover |
| XCB_HAG | Rip Dist Sum-Ag Types instrm | Rip Dist Sum-Ag Types instrm & on Bank |

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| Row ID | Characteristic Name | Description |
|----------|------------------------------------|--|
| XCB_HALL | Rip Dist--Sum All XCB_HALL | Rip Dist--Sum All Types instrm & in plot |
| XCB_HNAG | Rip Dist Sum-Non Ag Types inst | Rip Dist Sum-Non Ag Types instrm & Bank |
| XCDENBK | Mean Bank Canopy Density (%) | Mean Bank Canopy Density (%) |
| XCDENMID | Mean Mid-channel Canopy Densit | Mean Mid-channel Canopy Density (%) |
| XCEMBED | Mean Embeddedness--Channel | Mean Embeddedness--Channel only (%) |
| XCL | Riparian Canopy > 0.3m DBH | Riparian Canopy > 0.3m DBH (Cover) |
| XCM | Rip Veg Canopy+Mid Layer Cover | Rip Veg Canopy+Mid Layer Cover |
| XCMG | Rip Veg Canopy+Mid+Ground Cov | Rip Veg Canopy+Mid+Ground Cover |
| XCMGW | Rip Veg Canopy+Mid+Ground Wood | Rip Veg Canopy+Mid+Ground Woody Cover |
| XCMW | Rip Veg Canopy+Mid Layer Woody | Rip Veg Canopy+Mid Layer Woody Cover |
| XCS | Riparian Canopy <= 0.3m DBH | Riparian Canopy <= 0.3m DBH (Cover) |
| XC_HAG | Rip Dist-Sum of Ag Types | Rip Dist-Sum of Ag Types in Ripar Plot |
| XC_HALL | Rip Dist--Sum All Type XC_HALL | Rip Dist--Sum All Types in Ripar Plots |
| XC_HNOAG | Rip Dist Sum-Non Ag XXC_HNOAG | Rip Dist Sum-Non Ag Types in Ripar Plot |
| XDEPTH | Thalweg Mean Depth (cm) | Thalweg Mean Depth (cm) |
| XEMBED | Mean Embeddedness- Channel+Marg | Mean Embeddedness--Channel+Margin (%) |
| XFC_ALG | Fish Cvr-Filamentous Algae | Fish Cvr-Filamentous Algae (Areal Prop) |
| XFC_ALL | Fish Cvr-All Types | Fish Cvr-All Types (Sum Areal Prop) |
| XFC_AQM | Fish Cvr-Aq. Macrophytes | Fish Cvr-Aq. Macrophytes (Areal Prop) |
| XFC_BIG | Fish Cvr-LWD,RCK,UCBorHUM | Fish Cvr-LWD,RCK,UCBorHUM(Sum Area Prop) |
| XFC_BRS | Fish Cvr-Brush&Small Debris | Fish Cvr-Brush&Small Debris (Areal Prop) |
| XFC_HUM | Fish Cvr-Artif. Structs. | Fish Cvr-Artif. Structs. (Areal Prop) |
| XFC_LWD | Fish Cvr-Large Woody Debris | Fish Cvr-Large Woody Debris (Areal Prop) |
| XFC_NAT | Fish Cvr-Natural Types | Fish Cvr-Natural Types (Sum Areal Prop) |
| XFC_OHV | Fish Cvr-Overhang Veg | Fish Cvr-Overhang Veg (Areal Prop) |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|---|
| XFC_RCK | Fish Cvr-Boulders (Areal Prop) | Fish Cvr-Boulders (Areal Prop) |
| XFC_UCB | Fish Cvr-Undercut Banks | Fish Cvr-Undercut Banks (Areal Prop) |
| XF_HAG | Rip Dist Sum-Ag Types Beyond R | Rip Dist Sum-Ag Types Beyond Ripar Plot |
| XF_HALL | Rip Dist--Sum All Types beyond | Rip Dist--Sum All Types beyond Rip Plots |
| XF_HNOAG | Rip Dist Sum-Non Ag Types | Rip Dist Sum-Non Ag Types Beyond Rip Plt |
| XG | Riparian Veg Ground Layer Cov | Riparian Veg Ground Layer Cover |
| XGB | Rip Ground Layer Barren (Cover | Rip Ground Layer Barren (Cover) |
| XGH | Rip Ground Layer Herbaceous | Rip Ground Layer Herbaceous (Cover) |
| XGW | Rip Ground Layer Woody (Cover) | Rip Ground Layer Woody (Cover) |
| XINC_H | Channel Incision Ht.-Mean (m) | Channel Incision Ht.-Mean (m) |
| XLDIATOT | Count/reach all small XLDIATOT | Count/reach all small dia lwd |
| XLDRYDIA | Count/reach all dry xlarge dia | Count/reach all dry xlarge dia lwd |
| XLWETDIA | Count/reach all wet xlarge dia | Count/reach all wet xlarge dia lwd |
| XM | Riparian Veg Mid Layer Cover | Riparian Veg Mid Layer Cover |
| XMH | Rip Mid Layer Herbaceous (Cove | Rip Mid Layer Herbaceous (Cover) |
| XMW | Rip Mid Layer Woody (Cover) | Rip Mid Layer Woody (Cover) |
| XPCAN | Rip Canopy Present (Fraction | Rip Canopy Present (Fraction of reach) |
| XPCM | Rip Can & MidLayer Present | Rip Can & MidLayer Present (Frac. reach) |
| XPCMG | Riparian 3-Layers Present | Riparian 3-Layers Present (Fract. reach) |
| XPGVEG | Rip Ground Layer Present | Rip Ground Layer Present (Fract. reach) |
| XPMG | Riparian mid & gnd Present | Riparian mid & gnd Present (Frac. reach) |
| XPMGH | Rip. mid & gnd herb Present | Rip. mid & gnd herb Present (Frac. reach) |
| XPMGW | Rip. mid & gnd wood Present | Rip. mid & gnd wood Present (Frac. reach) |
| XPMID | Rip MidLayer Present (Fraction | Rip MidLayer Present (Fraction of reach) |
| XSLOPE | Channel Slope -- reach mean (%) | Channel Slope -- reach mean (%) |
| XUN | Undercut Distance--Mean (m) | Undercut Distance--Mean (m) |
| XWD_RAT | Mean Width/Depth Ratio (m/m) | Mean Width/Depth Ratio (m/m) |

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| Row ID | Characteristic Name | Description |
|---------|--------------------------------|--|
| XWIDTH | Wetted Width -- Mean (m) | Wetted Width -- Mean (m) |
| XWXD | Mean Width*Depth Product (m2) | Mean Width*Depth Product (m2) |
| X_HAG | Rip Dist Sum-Ag Types rip Plt | Rip Dist Sum-Ag Types rip Plt & Beyond |
| X_HALL | Rip Dist--Sum All Types X_HALL | Rip Dist--Sum All Types str plt & beyond |
| X_HNOAG | Rip Dist Sum-Non Ag rip Plt & | Rip Dist Sum-Non Ag rip Plt & Beyond |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| PRIPHYT | WEMAP Periphyton | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|-------------------------------|---|
| AFDM | Ash Free Dry Mass - Composite | Ash Free Dry Mass (g) in Composite Sample |
| AFDM_M2 | Ash Free Dry Mass | Ash Free Dry Mass (g/m ²) |
| AREA_CM2 | Area of Periphyton Sampled | Area of Periphyton Sampled (cm ²) |
| CHL | Chlorophylla (mg) - Composite | Chlorophyll a (mg) in Composite Sample |
| CHL_M2 | Chlorophyll a of Stream Bed | Mass per square meter Chlorophyll a of Stream Bed (mg)/m ² |
| CHL_MASS | Ratio - Chl-a:Periphyton AFDM | Ratio of Chlorophyll-a(mg):Periphyton AFDM(g) |
| COMMENT | Periphyton Comments | |
| SP_ACI | Acid Phosphotase Activity | Acid Phosphotase Act. nmol/g AFDM/h |
| SP_ALK | Alkaline Phosphotase Activity | Alkaline Phosphotase Act. nmol/g AFDM/h |
| TRAN_NO | Number of Transects Sampled | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RHABMET | River Physical Habitat Metrics | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|---------|-------------------------------|--|
| AREASUM | Resid. Pool Vert Profile Area | Resid. Pool Vert Profile Area (m2/reach) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| AREASUMC | Resid Pool Vert Profile Area c | Resid. Pool Vert Profile Area (m2/chan.) |
| BANGMODE | Mode of bank slope category | Mode of bank slope category (Zar 1984) |
| BAP_LOW | Bank slopes 0-5 degrees | Bank slopes 0-5 degrees (% reach) |
| BAP_MED | Bank slopes 5-30 degrees | Bank slopes 5-30 degrees (% reach) |
| BAP_MIS | Bank slope not recorded | Bank slope not recorded (% reach) |
| BAP_STP | Bank slopes 30-75 degrees | Bank slopes 30-75 degrees (% reach) |
| BAP_VST | Bank slopes >75 degrees | Bank slopes >75 degrees (% reach) |
| BFWD_RAT | Mean bankfull width/depth rati | Mean bankfull width/depth ratio (m/m) |
| C1D | LWD in Bkf channel&dry | LWD in Bkf channel&dry (#/rch-all sizes) |
| C1DM100 | LWD in Bkf chnl & dry | LWD in Bkf chnl & dry (#/100m-all sizes) |
| C1T | LWD in/over wetted chnl | LWD in/over wetted chnl(#/rch-all sizes) |
| C1TM100 | LWD in/above wet chan | LWD in/above wet chan(#/100m-all sizes) |
| C1W | LWD in wetted channel | LWD in wetted channel(#/rch-all sizes) |
| C1WM100 | LWD in wetted chnl | LWD in wetted chnl (#/100m-all sizes) |
| C1W_MSQ | LWD in wetted chnl (#/m2-all s | LWD in wetted chnl (#/m2-all sizes) |
| C2D | LWD in Bkf channel & dry | LWD in Bkf channel & dry (#/rch-S,M,L,X) |
| C2DM100 | LWD in Bkf chnl & dry (#/100m- | LWD in Bkf chnl & dry (#/100m-S,M,L,X) |
| C2T | LWD in/over wetted chnl (#/rch | LWD in/over wetted chnl (#/rch-S,M,L,X) |
| C2TM100 | LWD in/above wetted chan(#/100 | LWD in/above wetted chan(#/100m-S,M,L,X) |
| C2W | LWD in wetted channel (#/rch-S | LWD in wetted channel (#/rch-S,M,L,X) |
| C2WM100 | LWD in wetted chnl (#/100m-S,M | LWD in wetted chnl (#/100m-S,M,L,X) |
| C2W_MSQ | LWD in wetted chnl (#/m2-S,M,L | LWD in wetted chnl (#/m2-S,M,L,X) |
| C3D | LWD in Bkf channel & dry (#/rc | LWD in Bkf channel & dry (#/rch-M,L,X) |
| C3DM100 | LWD in Bkf chnl & dry C3DM100 | LWD in Bkf chnl & dry (#/100m-M,L,X) |
| C3T | LWD in/over wetted channel | LWD in/over wetted channel (#/rch-M,L,X) |
| C3TM100 | LWD in/above wetted chan | LWD in/above wetted chan (#/100m-M,L,X) |
| C3W | LWD in wetted channel (#/rch-M | LWD in wetted channel (#/rch-M,L,X) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| C3WM100 | LWD in wetted chnl (#/100m-M,L | LWD in wetted chnl (#/100m-M,L,X) |
| C3W_MSQ | LWD in wetted chnl (#/m2-M,L,X | LWD in wetted chnl (#/m2-M,L,X) |
| C4D | LWD in Bkf channel & dry C4D | LWD in Bkf channel & dry (#/rch-L,X) |
| C4DM100 | LWD in Bkf chnl & dry C4DM100 | LWD in Bkf chnl & dry (#/100m-L,X) |
| C4T | LWD in/over wetted channel (#/ | LWD in/over wetted channel (#/rch-L,X) |
| C4TM100 | LWD in/above wetted chan (#/10 | LWD in/above wetted chan (#/100m-L,X) |
| C4W | LWD in wetted channel (#/rch-L | LWD in wetted channel (#/rch-L,X) |
| C4WM100 | LWD in wetted chnl (#/100m-L,X | LWD in wetted chnl (#/100m-L,X) |
| C4W_MSQ | LWD in wetted chnl (#/m2-L,X) | LWD in wetted chnl (#/m2-L,X) |
| C5D | LWD in Bkf channel & dry C5D | LWD in Bkf channel & dry (#/rch-X) |
| C5DM100 | LWD in Bkf chnl & dry C5DM100 | LWD in Bkf chnl & dry (#/100m-X) |
| C5T | LWD in/over wetted channel C5T | LWD in/over wetted channel (#/rch-X) |
| C5TM100 | LWD in/above wetted ch C5TM100 | LWD in/above wetted chan (#/100m-X) |
| C5W | LWD in wetted channel (#/rch-X | LWD in wetted channel (#/rch-X) |
| C5WM100 | LWD in wetted chnl (#/100m-X) | LWD in wetted chnl (#/100m-X) |
| C5W_MSQ | LWD in wetted chnl (#/m2-X) | LWD in wetted chnl (#/m2-X) |
| CROWS_D | Straight line valley length of | Straight line valley length of reach (m) |
| FISH_D | Reach Length (m) | Reach Length (m) -- as the fish swims |
| INTERVAL | Dist. betw. Thalweg measuremen | Dist. betw. Thalweg measurements (m) |
| LDMB_BW4 | Log10[Erodible Substr Dia.(mm) | Log10[Erodible Substr Dia.(mm)]-old #2 |
| LDMB_BW5 | Log10[Erodible Substr LDMB_BW5 | Log10[Erodible Substr Dia.(mm)]-Est. 2 |
| LGDIATOT | Count/reach all small dia lwd | Count/reach all small dia lwd |
| LGDRYDIA | Count/reach all dry large dia | Count/reach all dry large dia lwd |
| LGDRYLEN | Count/reach all dry long len | Count/reach all dry long len lwd |
| LGLENTOT | Count/reach all long len lwd | Count/reach all long len lwd |
| LGWETDIA | Count/reach all wet large dia | Count/reach all wet large dia lwd |
| LGWETLEN | Count/reach all wet long len l | Count/reach all wet long len lwd |

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| Row ID | Characteristic Name | Description |
|-----------|--------------------------------|--|
| LOCMETHOD | Channel location method | Channel location method (GPS/ANALOG) |
| LRBS_BW4 | Log10[Relative Bed Stability] | Log10[Relative Bed Stability] - old #2 |
| LRBS_BW5 | Log10 LRBS_BW5 | Log10[Relative Bed Stability] - Est. 2 |
| LRBS_BW6 | Log10[Erod. sub. dia.]- Est. 2 | Log10[Erod. sub. dia.]- Est. 2, split BL |
| LRBS_TST | Log10 LRBS_TST | Log10[Relative Bed Stability] - Fast est |
| LSUB2D16 | The 16.0000 percentile, log2d | the 16.0000 percentile, log2dmm |
| LSUB2D25 | The lower quartile, log2dmm | the lower quartile, log2dmm |
| LSUB2D50 | The median, log2dmm | the median, log2dmm |
| LSUB2D75 | The upper quartile, log2dmm | the upper quartile, log2dmm |
| LSUB2D84 | The 84.0000 percentile, log2d | the 84.0000 percentile, log2dmm |
| LSUB2DMM | The mean, log2dmm | the mean, log2dmm |
| LSUB2IQR | The interquartile range, log2d | the interquartile range, log2dmm |
| LSUBD2SD | The standard deviation, log2dm | the standard deviation, log2dmm |
| LSUBD_SD | Thalweg sub.-StDev LOG10(Diam | Thalweg sub.-StDev LOG10(Diam Class mm) |
| LSUB_D16 | Thalweg sub.-D16 LOG10(Diam Cl | Thalweg sub.-D16 LOG10(Diam Class mm) |
| LSUB_D25 | Thalweg sub.-D25 LOG10(Diam Cl | Thalweg sub.-D25 LOG10(Diam Class mm) |
| LSUB_D50 | Thalweg sub.-Median LOG10(Diam | Thalweg sub.-Median LOG10(Diam Class mm) |
| LSUB_D75 | Thalweg sub.-D75 LOG10(Diam Cl | Thalweg sub.-D75 LOG10(Diam Class mm) |
| LSUB_D84 | Thalweg sub.-D84 LOG10(Diam Cl | Thalweg sub.-D84 LOG10(Diam Class mm) |
| LSUB_DMM | Thalweg sub.-Mean Log10(Diam C | Thalweg sub.-Mean Log10(Diam Class mm) |
| LSUB_IQR | Thal sub.-IntQt Rng LOG10(Diam | Thal sub.-IntQt Rng LOG10(Diam class mm) |
| LTEST | Log10[Erodible Substr LTEST | Log10[Erodible Substr Dia.(mm)]-Fast est |
| LWDDV33 | Volume/reach of dry lwd | Volume/reach (Robison 1998) of dry lwd |
| LWDDVCAL | Volume/reach (other) of dry lw | Volume/reach (other) of dry lwd |
| LWDTV33 | Volume/reach of all lwd | Volume/reach (Robison 1998) of all lwd |
| LWDTVCAL | Volume/reach (other) of all lw | Volume/reach (other) of all lwd |
| LWDWV33 | Volume/reach of wet lwd | Volume/reach (Robison 1998) of wet lwd |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| LWDWVCAL | Volume/reach (other) of wet lw | Volume/reach (other) of wet lwd |
| MDDIATOT | Count/reach all small MDDIATOT | Count/reach all small dia lwd |
| MDDRYDIA | Count/reach all dry medium dia | Count/reach all dry medium dia lwd |
| MDDRYLEN | Count/reach all dry medium len | Count/reach all dry medium len lwd |
| MDLENTOT | Count/reach all medium len lwd | Count/reach all medium len lwd |
| MDWETDIA | Count/reach all wet medium dia | Count/reach all wet medium dia lwd |
| MDWETLEN | Count/reach all wet medium len | Count/reach all wet medium len lwd |
| MNLIT | Minimum littoral depth (m) | Minimum littoral depth (m) |
| MNSHOR | Minimum distance shore to veg | Minimum distance shore to vegetation (m) |
| MXLIT | Maximum littoral depth (m) | Maximum littoral depth (m) |
| MXSHOR | Maximum distance shore to veg | Maximum distance shore to vegetation (m) |
| N | Number of obs. of substrate | Number of obs. of substrate SIZE_CLS |
| NBNK | Number of Bank Obs-Densiometer | Number of Bank Obs-Densiometer |
| NC | Number of nonmissing wet obs | number of nonmissing wet obs |
| NRP | Number of residual pools | Number of residual pools in reach |
| NS | Number of nonmissing dry obs | number of nonmissing dry obs |
| NSLP | # of values used to calc mean | # of values used to calc mean slope |
| N_BA | Number of observations--Bank A | Number of observations--Bank Angle |
| N_BFRAT | Number of nonmissing values | number of nonmissing values, bf_rat |
| N_BH | No observations-Bankfull Heigh | no observations-Bankfull Height |
| N_BW | No observations--Bankfull Wid | no observations--Bankfull Width |
| N_D | Number of obs -- Thalweg Depth | Number of obs -- Thalweg Depth |
| N_INCIS | No of observations-Chan Incisi | no of observations-Chan Incision Ht.(m) |
| N_W | Number of obs -- Wetted Width | Number of obs -- Wetted Width |
| N_WD | Number of obs -- W*D Product | Number of obs -- W*D Product |
| N_WDR | Number of obs -- W/D Ratio | Number of obs -- W/D Ratio |
| N_XTOT | Number of X/east distances for | Number of X/east distances for SINU calc |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|---|
| N_YTOT | Number of Y/north distances | Number of Y/north distances for SINU calc |
| PCAN_C | Riparian Canopy Coniferous | Riparian Canopy Coniferous (Fract reach) |
| PCAN_D | Riparian Canopy Deciduous | Riparian Canopy Deciduous (Fract. reach) |
| PCAN_E | Rip Canopy Broadf evgrn | Rip Canopy Broadf evgrn (Fract of rch) |
| PCAN_M | Rip Canopy Mix Conif-Decid | Rip Canopy Mix Conif-Decid (Fract reach) |
| PCAN_N | Rip Canopy Absent | Rip Canopy Absent (Fraction of reach) |
| PCTCHARP | % of chan. length that forms | % of chan. length that forms resid pools |
| PCTCHASD | % of chan. length with sed | % of chan. length with sediments present |
| PCTCH_B | Broad valley, unconst. channel | Broad valley, unconst. channel (% rch) |
| PCTCH_C | Constrained channel (% reach) | Constrained channel (% reach) |
| PCTCH_N | Narrow valley, unconst. channe | Narrow valley, unconst. channel (% rch) |
| PCTCH_U | Unconstrained channel (% reach) | Unconstrained channel (% reach) |
| PCTDSED | % of pool tail length with sed | % of pool tail length with sed. |
| PCTPSED | Pool Sediment(<16mm) Pres. | Pool Sediment(<16mm) Pres. (%len of RPs) |
| PCTRCHRP | Resid. pool length proportion | Resid. pool length proportion (%of rch) |
| PCTRSED | Thal. Sedmt. (<16mm) Pres. | Thal. Sedmt. (<16mm) Pres.(%len of Thal) |
| PCTUSED | % of pool head length with sed | % of pool head length with sediment |
| PCT_BH | Thal sub. bedrock or hardpan | Thal sub. bedrock or hardpan -- >4 m (%) |
| PCT_BL | Thalweg sub. Boulders | Thalweg sub. Boulders -- 250-4000 mm (%) |
| PCT_CA | Cascade (% of reach) | Cascade (% of reach) |
| PCT_CB | Thalweg sub. Cobbles | Thalweg sub. Cobbles -- 64-250 mm (%) |
| PCT_DBBL | Pct. littoral substrate w/ BL | Pct. littoral substrate with BL dominant |
| PCT_DBCB | Pct. littoral substrate w/ CB | Pct. littoral substrate with CB dominant |
| PCT_DBFN | Pct. littoral substrate w/ FN | Pct. littoral substrate with FN dominant |
| PCTDBGC | Pct. littoral substrate w/ GC | Pct. littoral substrate with GC dominant |
| PCTDBGF | Pct. littoral substrate w/ GF | Pct. littoral substrate with GF dominant |
| PCT_DBHP | Pct. littoral substrate w/ HP | Pct. littoral substrate with HP dominant |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| PCT_DBOM | Pct. littoral substrate w/ OM | Pct. littoral substrate with OM dominant |
| PCT_DBOT | Pct. littoral substrate w/ OT | Pct. littoral substrate with OT dominant |
| PCT_DBRC | Pct. littoral substrate w/ RC | Pct. littoral substrate with RC dominant |
| PCT_DBRR | Pct. littoral substrate w/ RR | Pct. littoral substrate with RR dominant |
| PCT_DBRS | Pct. littoral substrate w/ RS | Pct. littoral substrate with RS dominant |
| PCT_DBSA | Pct. littoral substrate w/ SA | Pct. littoral substrate with SA dominant |
| PCT_DBSB | Pct. littoral substrate w/ SB | Pct. littoral substrate with SB dominant |
| PCT_DBWD | Pct. littoral substrate w/ WD | Pct. littoral substrate with WD dominant |
| PCT_DBXB | Pct. littoral substrate w/ XB | Pct. littoral substrate with XB dominant |
| PCT_DR | Dry channel (% of reach) | Dry channel (% of reach) |
| PCT_DSBL | Pct. shore substrate with BL | Pct. shore substrate with BL dominant |
| PCT_DSCL | Pct. shore substrate with CB d | Pct. shore substrate with CB dominant |
| PCT_DSFN | Pct. shore substrate with FN d | Pct. shore substrate with FN dominant |
| PCT_DSGC | Pct. shore substrate with GC d | Pct. shore substrate with GC dominant |
| PCT_DSGF | Pct. shore substrate with GF d | Pct. shore substrate with GF dominant |
| PCT_DSHP | Pct. shore substrate with HP d | Pct. shore substrate with HP dominant |
| PCT_DSOM | Pct. shore substrate with OM d | Pct. shore substrate with OM dominant |
| PCT_DSOT | Pct. shore substrate with OT d | Pct. shore substrate with OT dominant |
| PCT_DSRC | Pct. shore substrate with RC d | Pct. shore substrate with RC dominant |
| PCT_DSRR | Pct. shore substrate with RR d | Pct. shore substrate with RR dominant |
| PCT_DSRS | Pct. shore substrate with RS d | Pct. shore substrate with RS dominant |
| PCT_DSRA | Pct. shore substrate with SA d | Pct. shore substrate with SA dominant |
| PCT_DSRL | Pct. shore substrate with SB d | Pct. shore substrate with SB dominant |
| PCT_DSRL | Pct. shore substrate with WD d | Pct. shore substrate with WD dominant |
| PCT_DSRL | Pct. shore substrate with XB d | Pct. shore substrate with XB dominant |
| PCT_FA | Falls (% of reach) | Falls (% of reach) |
| PCT_FAST | Fast Wtr Hab | Fast Wtr Hab (% riffle & faster) |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|--|
| PCT_FN | Thalweg sub. Fines | Thalweg sub. Fines -- Silt/Clay/Muck (%) |
| PCT_GL | Glide (% of reach) | Glide (% of reach) |
| PCT_GR | Thalweg substrate Gravel | Thalweg substrate Gravel -- 16-64 mm (%) |
| PCT_OT | Thalweg substrate Miscellaneous | Thalweg substrate Miscellaneous -- (%) |
| PCT_OVRB | Ability to see over bank | Ability to see over bank (% reach) |
| PCT_POOL | Pools -- All Types (% of reach) | Pools -- All Types (% of reach) |
| PCT_RA | Rapids (% of reach) | Rapids (% of reach) |
| PCT_RI | Riffle (% of reach) | Riffle (% of reach) |
| PCT_SA | Thalweg substrate Sand | Thalweg substrate Sand -- .06-2 mm (%) |
| PCT_SAFN | Thalweg sub. Sand & Fines | Thalweg sub. Sand & Fines -- <2 mm (%) |
| PCT_SBBL | Pct. littoral substrate with B | Pct. littoral substrate with BL subdom. |
| PCT_SBCB | Pct. littoral substrate with C | Pct. littoral substrate with CB subdom. |
| PCT_SBFN | Pct. littoral substrate with F | Pct. littoral substrate with FN subdom. |
| PCT_SBGC | Pct. littoral substrate with G | Pct. littoral substrate with GC subdom. |
| PCT_SBGF | Pct. littoral subs w/ GF subd | Pct. littoral substrate with GF subdom. |
| PCT_SBHP | Pct. littoral substrate with H | Pct. littoral substrate with HP subdom. |
| PCT_SBOM | Pct. littoral substrate with O | Pct. littoral substrate with OM subdom. |
| PCT_SBOT | Pct. littoral subs w/ OT subd | Pct. littoral substrate with OT subdom. |
| PCT_SBRC | Pct. littoral substrate with R | Pct. littoral substrate with RC subdom. |
| PCT_SBRR | Pct. littoral subs w/ RR subd | Pct. littoral substrate with RR subdom. |
| PCT_SBRB | Pct. littoral subs w/ RS subd | Pct. littoral substrate with RS subdom. |
| PCT_SBSA | Pct. littoral substrate with S | Pct. littoral substrate with SA subdom. |
| PCT_SBSB | Pct. littoral subs w/ SB subd | Pct. littoral substrate with SB subdom. |
| PCT_SBWD | Pct. littoral substrate with W | Pct. littoral substrate with WD subdom. |
| PCT_SBXB | Pct. littoral substrate with X | Pct. littoral substrate with XB subdom. |
| PCT_SIDE | Side channel presence | Side channel presence (% of reach) |
| PCT_SLOW | Slow Wtr Hab (% Glide & Pool) | Slow Wtr Hab (% Glide & Pool) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| PCT_SNAG | Percent of reach with snags | Percent of reach with snags |
| PCT_SSBL | Pct. shore substrate with BL s | Pct. shore substrate with BL subdominant |
| PCT_SSCB | Pct. shore substrate with CB s | Pct. shore substrate with CB subdominant |
| PCT_SSFN | Pct. shore substrate with FN s | Pct. shore substrate with FN subdominant |
| PCT_SSGC | Pct. shore substrate with GC s | Pct. shore substrate with GC subdominant |
| PCT_SSGF | Pct. shore substrate with GF s | Pct. shore substrate with GF subdominant |
| PCT_SSHP | Pct. shore substrate with HP s | Pct. shore substrate with HP subdominant |
| PCT_SSOM | Pct. shore substrate with OM s | Pct. shore substrate with OM subdominant |
| PCT_SSOT | Pct. shore substrate with OT s | Pct. shore substrate with OT subdominant |
| PCT_SSRC | Pct. shore substrate with RC s | Pct. shore substrate with RC subdominant |
| PCT_SSRR | Pct. shore substrate with RR s | Pct. shore substrate with RR subdominant |
| PCT_SRSR | Pct. shore substrate with RS s | Pct. shore substrate with RS subdominant |
| PCT_SSSA | Pct. shore substrate with SA s | Pct. shore substrate with SA subdominant |
| PCT_SSSB | Pct. shore substrate with SB s | Pct. shore substrate with SB subdominant |
| PCT_SSWD | Pct. shore substrate with WD s | Pct. shore substrate with WD subdominant |
| PCT_SXXB | Pct. shore substrate with XB s | Pct. shore substrate with XB subdominant |
| PFC_ALG | Littoral fil. algae presence | Littoral fil. algae presence (% Rch) |
| PFC_ALL | Littoral sum(all type presence | Littoral sum(all type presence) (% Rch) |
| PFC_AQM | Littoral aq. Macrophyte Presen | Littoral aq. Macrophyte Presence (% Rch) |
| PFC_BIG | Lit. sum(LWD,RCK,OHB,HUM pres. | Lit. sum(LWD,RCK,OHB,HUM pres.) (% Rch) |
| PFC_BRS | Lit. brush & Small Debris Prsn | Lit. brush & Small Debris Prsnce (% Rch) |
| PFC_HUM | Littoral artif. struct. presen | Littoral artif. struct. presence (% Rch) |
| PFC_LWD | Littoral LWD Presence (% Rch) | Littoral LWD Presence (% Rch) |
| PFC_NAT | Lit. sum(nat. type presence) | Lit. sum(nat. type presence) (% Rch) |
| PFC_OHV | Littoral overhang. Veg. presen | Littoral overhang. Veg. presence (% Rch) |
| PFC_RCK | Littoral boulders presence | Littoral boulders presence (% Rch) |

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| Row ID | Characteristic Name | Description |
|-----------|---------------------------------|--|
| PFC_UCB | Littoral undercut Bank presenc | Littoral undercut Bank presence (% Rch) |
| PMID_C | Rip MidLayer Coniferous (Fract | Rip MidLayer Coniferous (Fraction reach) |
| PMID_D | Rip MidLayer Deciduous (Fracti | Rip MidLayer Deciduous (Fraction reach) |
| PMID_E | Rip MidLayer broadlf evgrn (F | Rip MidLayer broadlf evgrn (Frac reach) |
| PMID_M | Rip MidLayer Mix Con-Decid (Fr | Rip MidLayer Mix Con-Decid (Fract reach) |
| PMID_N | Rip MidLayer Absent (Fraction | Rip MidLayer Absent (Fraction of reach) |
| RCHDLDLL | Count/reach dry large dia long | Count/reach dry large dia long len lwd |
| RCHDLML | Count/reach dry large dia medi | Count/reach dry large dia medium len lwd |
| RCHDLDSL | Count/reach dry large dia shor | Count/reach dry large dia short len lwd |
| RCHDMDLL | Count/reach dry medium dia lon | Count/reach dry medium dia long len lwd |
| RCHDMML | Count/reach dry medium dia med | Count/reach dry medium dia med. len lwd |
| RCHDMDSL | Count/reach dry medium dia sho | Count/reach dry medium dia short len lwd |
| RCHDRYT | Count/reach all dry size class | Count/reach all dry size classes |
| RCHSDLL | Count/reach dry small dia long | Count/reach dry small dia long len lwd |
| RCHSDML | Count/reach dry small dia medi | Count/reach dry small dia medium len lwd |
| RCHSDDSL | Count/reach dry small dia shor | Count/reach dry small dia short len lwd |
| RCHDXDLL | Cnt/rch dry xlrge dia lng len l | Count/reach dry xlarge dia long len lwd |
| RCHDXDML | Cnt/rch dry xlrge dia med len l | Count/reach dry xlarge dia med. len lwd |
| RCHDXDSL | Cnt/rch dry xlrge dia shrt len | Count/reach dry xlarge dia short len lwd |
| RCHTLDLL | Cnt/rch tot lrg dia lng len lw | Count/reach tot large dia long len lwd |
| RCHTLML | Cnt/rch tot lrg dia med len lw | Count/reach tot large dia medium len lwd |
| RCHTLDSL | Cnt/rch tot lrg dia shrt len l | Count/reach tot large dia short len lwd |
| RCHTMLLL | Cnt/rch tot med dia lon len lw | Count/reach tot medium dia long len lwd |
| RCHTMLML | Cnt/rch tot med dia med len lw | Count/reach tot medium dia med len lwd |
| RCHTMLDSL | Cnt/rch tot med dia shrt len l | Count/reach tot medium dia short len lwd |
| RCHTSDLL | Cnt/rch tot smll dia lng len l | Count/reach tot small dia long len lwd |
| RCHTSDML | Cnt/rch tot smll dia med len l | Count/reach tot small dia medium len lwd |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|--|
| RCHTSDSL | Cnt/rch tot smll dia shrt len | Count/reach tot small dia short len lwd |
| RCHTXDLL | Cnt/rch tot xlrge dia lon len l | Count/reach tot xlarge dia long len lwd |
| RCHTXDML | Cnt/rch tot xlrge dia med len l | Count/reach tot xlarge dia med len lwd |
| RCHTXDSL | Cnt/rch tot xlrge dia shrt len | Count/reach tot xlarge dia short len lwd |
| RCHWDT | Count/reach all wood | Count/reach all wood |
| RCHWETT | Cnt/rch all wet size classes | Count/reach all wet size classes |
| RCHWLDLL | Cnt/rch wet lrg dia lng len lw | Count/reach wet large dia long len lwd |
| RCHWLDML | Cnt/rch wet lrg dia med len lw | Count/reach wet large dia medium len lwd |
| RCHWLDSL | Cnt/rch wet lrg dia shrt len l | Count/reach wet large dia short len lwd |
| RCHWMDLL | Cnt/rch wet med dia lng len lw | Count/reach wet medium dia long len lwd |
| RCHWMDML | Cnt/rch wet med dia med len lw | Count/reach wet medium dia med. len lwd |
| RCHWMDSL | Cnt/rch wet med dia shrt len l | Count/reach wet medium dia short len lwd |
| RCHWSDLL | Cnt/rch wet smll dia lng len l | Count/reach wet small dia long len lwd |
| RCHWSDML | Cnt/rch wet smll dia med len l | Count/reach wet small dia medium len lwd |
| RCHWSDSL | Cnt/rch wet smll dia shrt len | Count/reach wet small dia short len lwd |
| RCHWXDLL | Count/reach wet xlarge dia lon | Count/reach wet xlarge dia long len lwd |
| RCHWXDML | Count/reach wet xlarge dia med | Count/reach wet xlarge dia med. len lwd |
| RCHWXDSL | Count/reach wet xlarge dia sho | Count/reach wet xlarge dia short len lwd |
| REACHLEN | Length of sample reach (m) | Length of sample reach (m) |
| RP100 | Mean Residual Depth (cm or m2/ | Mean Residual Depth (cm or m2/100m) |
| RP100C | Mean resid area per 100 m of c | Mean resid area per 100 m of chan. |
| RPGT100 | Resid Pools >100cm deep (numbe | Resid Pools >100cm deep (number/reach) |
| RPGT50 | Resid Pools >50cm deep (number | Resid Pools >50cm deep (number/reach) |
| RPGT75 | Resid Pools >75cm deep (number | Resid Pools >75cm deep (number/reach) |
| RPMXAR | Max. RP profile area in rch (m | Max. RP profile area in rch (m2/pool) |
| RPMXDEP | Maximum residual depth in reac | Maximum residual depth in reach (cm) |
| RPMXLEN | Max. resid pool length in reac | Max. resid pool length in reach (m/pool) |

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| Row ID | Characteristic Name | Description |
|----------|--|---|
| RPMXVOL | Max volume of any pool in reac | Max volume of any pool in reach (m ³) |
| RPMXWID | Max resid width of any pool in | Max resid width of any pool in reach (m) |
| RPV100C | Residual volume (m ³ /100m chan | Residual volume (m ³ /100m channel) |
| RPV100R | Residual Pool Volume (m ³ /100m | Residual Pool Volume (m ³ /100m reach) |
| RPVAREA | StdDev profile area of RPs (m ² | StdDev profile area of RPs (m ² /pool) |
| RPVDEP | StdDev of residual pool depths | StdDev of residual pool depths (cm) |
| RPVLEN | StdDev length of resid pools | StdDev length of resid pools (m/pool) |
| RPXAREA | Mean vert. profile area of RPs | Mean vert. profile area of RPs (m ² /pool) |
| RPXDEP | Mean RP depth in reach (cm/poo | Mean RP depth in reach (cm/pool) |
| RPXLEN | Mean length of resid pools | Mean length of resid pools (m/pool) |
| RPXVOL | Mean resid pool volume (m ³ /po | Mean resid pool volume (m ³ /pool) |
| RPXWID | Mean resid width of reach (m) | Mean resid width of reach (m) |
| SAMPLED | Sample status (PHab) | Sample status (PHab) |
| SDBKF_H | Bankfull Height-Std. Dev. (m) | Bankfull Height-Std. Dev. (m) |
| SDBKF_W | Bankfull Width--Std. Dev. (m) | Bankfull Width--Std. Dev. (m) |
| SDDEPTH | Std Dev of Thalweg Depth (m) | Std Dev of Thalweg Depth (m) |
| SDINC_H | Channel Incision Ht.-Std. Dev. | Channel Incision Ht.-Std. Dev. (m) |
| SDWD_RAT | Std Dev of Width/Depth Ratio | Std Dev of Width/Depth Ratio (m/m) |
| SDWIDTH | Std Dev of Wetted Width (m) | Std Dev of Wetted Width (m) |
| SDWXD | Std Dev of Width*Depth Product | Std Dev of Width*Depth Product (m ²) |
| SHDRYLEN | Count/reach all dry short len | Count/reach all dry short len lwd |
| SHLENTOT | Count/reach all short len lwd | Count/reach all short len lwd |
| SHWETLEN | Count/reach all wet short len | Count/reach all wet short len lwd |
| SINU | Channel Sinuosity (m/m) | Channel Sinuosity (m/m) |
| SMDIATOT | Count/reach all small SMDIATOT | Count/reach all small dia lwd |
| SMDRYDIA | Cnt/rch all dry smll dia lwd | Count/reach all dry small dia lwd |
| SMWETDIA | Count/reach all wet small dia | Count/reach all wet small dia lwd |

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| Row ID | Characteristic Name | Description |
|----------|---|---|
| TOTCHLEN | Total length of channel, main | Total length of channel, main + side (m) |
| TOTDPLEN | Sum of pool tail lengths | Sum of pool tail lengths (m/reach) |
| TOTDPSDL | Sum pool tail lengths with sed | Sum pool tail lengths with sed.(m/reach) |
| TOTEAST | Net east-west travel of reach | net east-west travel of reach |
| TOTNORTH | Net north-south travel of reac | net north-south travel of reach |
| TOTPLEN | Total resid pool length | Total resid pool length (m/reach) |
| TOTPLENC | Total resid pool length (m/cha | Total resid pool length (m/chan.) |
| TOTPVOL | Total resid pool volume (m ³ /r | Total resid pool volume (m ³ /reach) |
| TOTPVOLC | Total resid pool volume (m ³ /c | Total resid pool volume (m ³ /chan.) |
| TOTSLEN | Total RP length with sediment | Total RP length with sediment (m/reach) |
| TOTSDLNC | Total RP length TOTSDLNC | Total RP length with sediment (m/chan.) |
| TOTUPLEN | Sum of pool head lengths | Sum of pool head lengths (m/reach) |
| TOTUPSDL | Sum pool head lengths with sed | Sum pool head lengths with sed.(m/reach) |
| TRANSPC | Mean dist. betw. Transects (m) | Mean dist. betw. Transects (m) |
| V1D | LWD vol in Bkf chnl&dry(m ³ /rch | LWD vol in Bkf chnl&dry(m ³ /rch-all size) |
| V1DM100 | LWD vol in Bkf chnl&dry(m ³ /100 | LWD vol in Bkf chnl&dry(m ³ /100m-all) |
| V1T | LWD vol in/over wet chnl(m ³ /rc | LWD vol in/over wet chnl(m ³ /rch-all) |
| V1TM100 | LWD vol in/abv wt chan(#/100m- | LWD vol in/abv wt chan(#/100m-all sizes) |
| V1W | LWD vol in wetted chnl(m ³ /rch- | LWD vol in wetted chnl(m ³ /rch-all sizes) |
| V1WM100 | LWD vol in Bkf chnl V1WM100 | LWD vol in Bkf chnl&dry(m ³ /100m-all sizes) |
| V1W_MSQ | LWD vol in Bkf chnl&dry(m ³ /m2- | LWD vol in Bkf chnl&dry(m ³ /m2-all sizes) |
| V2D | LWD vol in Bkf chnl&dry (m ³ /rc | LWD vol in Bkf chnl&dry (m ³ /rch-S,M,L,X) |
| V2DM100 | LWD vol in Bkf chnl&dryV2DM100 | LWD vol in Bkf chnl&dry(m ³ /100m-S,M,L,X) |
| V2T | LWD vol in/over wet chnl V2T | LWD vol in/over wet chnl(m ³ /rch-S,M,L,X) |
| V2TM100 | LWD vol in/abv wet chan (#/100 | LWD vol in/abv wet chan (#/100m-S,M,L,X) |
| V2W | LWD vol in wetted chnl (m ³ /rch | LWD vol in wetted chnl (m ³ /rch-S,M,L,X) |
| V2WM100 | LWD vol in Bkf chnl& dry | LWD vol in Bkf chnl& dry (m ³ /100m-S,M,L,X) |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| V2W_MSQ | LWD vol in Bkf chnl& dry (m3/m | LWD vol in Bkf chnl& dry (m3/m2-S,M,L,X) |
| V3D | LWD vol in Bkf chnl & dry (m3/ | LWD vol in Bkf chnl & dry (m3/rch-M,L,X) |
| V3DM100 | LWD vol in Bkf chnl& dry (m3/1 | LWD vol in Bkf chnl& dry (m3/100m-M,L,X) |
| V3T | LWD vol in/over wet chnl (m3/r | LWD vol in/over wet chnl (m3/rch-M,L,X) |
| V3TM100 | LWD vol in/abv wetted chan(#1 | LWD vol in/abv wetted chan(#/100m-M,L,X) |
| V3W | LWD vol in wetted chnl V3W | LWD vol in wetted chnl (m3/rch-M,L,X) |
| V3WM100 | LWD vol in Bkf chnl & V3WM100 | LWD vol in Bkf chnl & dry (m3/100m-M,L,X) |
| V3W_MSQ | LWD vol in Bkf chnl & dry | LWD vol in Bkf chnl & dry (m3/m2-M,L,X) |
| V4D | LWD vol in Bkf chnl & dry V4D | LWD vol in Bkf chnl & dry (m3/rch-L,X) |
| V4DM100 | LWD vol in Bkf chnl & V4DM100 | LWD vol in Bkf chnl & dry (m3/100m-L,X) |
| V4T | LWD vol in/over wetted chnl (m | LWD vol in/over wetted chnl (m3/rch-L,X) |
| V4TM100 | LWD vol in/abv wetted chan (#/ | LWD vol in/abv wetted chan (#/100m-L,X) |
| V4W | LWD vol in wetted chnl V4W | LWD vol in wetted chnl (m3/rch-L,X) |
| V4WM100 | LWD vol in Bkf chnl & V4WM100 | LWD vol in Bkf chnl & dry (m3/100m-L,X) |
| V4W_MSQ | LWD vol in Bkf chnl & V4W_MSQ | LWD vol in Bkf chnl & dry (m3/m2-L,X) |
| V5D | LWD vol in Bkf chnl & dry V5D | LWD vol in Bkf chnl & dry (m3/rch-X) |
| V5DM100 | LWD vol in Bkf chnl & V5DM100 | LWD vol in Bkf chnl & dry (m3/100m-X) |
| V5T | LWD vol in/over wetted chnV5T | LWD vol in/over wetted chnl (m3/rch-X) |
| V5TM100 | LWD vol in/abv wetted V5TM100 | LWD vol in/abv wetted chan (#/100m-X) |
| V5W | LWD vol in wetted chnl V5W | LWD vol in wetted chnl (m3/rch-X) |
| V5WM100 | LWD vol in Bkf chnl V5WM100 | LWD vol in Bkf chnl & dry (m3/100m-X) |
| V5W_MSQ | LWD vol in Bkf chnl & V5W_MSQ | LWD vol in Bkf chnl & dry (m3/m2-X) |
| VCDENBK | Std. Dev. Bank Canopy Density | Std. Dev. Bank Canopy Density (%) |
| VLIT | Stdev. littoral depth (m) | Stdev. littoral depth (m) |
| VSLOPE | Std Dev of Channel % Slope | Std Dev of Channel % Slope |
| W1H_BLDG | Rip Dist--Buildings (ProxWt Pr | Rip Dist--Buildings (ProxWt Pres) |
| W1H_CROP | Rip Dist--Row Crop (ProxWt Pre | Rip Dist--Row Crop (ProxWt Pres) |

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| Row ID | Characteristic Name | Description |
|----------|-----------------------------------|--|
| W1H_LDFL | Rip Dist--Trash/Landfill (Prox | Rip Dist--Trash/Landfill (ProxWt Pres) |
| W1H_LOG | Rip Dist--Logging Activity (Pr | Rip Dist--Logging Activity (ProxWt Pres) |
| W1H_PARK | Rip Dist--Lawn/Park (ProxWt Pr | Rip Dist--Lawn/Park (ProxWt Pres) |
| W1H_PIPE | Rip Dist--Pipes infl/effl (Pro | Rip Dist--Pipes infl/effl (ProxWt Pres) |
| W1H_PSTR | Rip Dist--Pasture/Hayfield (Pr | Rip Dist--Pasture/Hayfield (ProxWt Pres) |
| W1H_PVMT | Rip Dist--Pavement (ProxWt Pre | Rip Dist--Pavement (ProxWt Pres) |
| W1H_ROAD | Rip Dist--Road/Railroad (ProxW | Rip Dist--Road/Railroad (ProxWt Pres) |
| W1H_WALL | Rip Dist--Wall/Bank Revet. (Pr | Rip Dist--Wall/Bank Revet. (ProxWt Pres) |
| W1_HAG | Rip Dist--Sum Agric Types (Pro | Rip Dist--Sum Agric Types (ProxWt Pres) |
| W1_HALL | Rip Dist--Sum All Types (ProxW | Rip Dist--Sum All Types (ProxWt Pres) |
| W1_HNOAG | Rip Dist--Sum NonAg Types (Pro | Rip Dist--Sum NonAg Types (ProxWt Pres) |
| XBEARING | Mean Flow Direction of reach | Mean Flow Direction of reach (degrees) |
| XBKF_H | Bankfull Height-Mean (m) | Bankfull Height-Mean (m) |
| XBKF_W | Bankfull Width--Mean (m) | Bankfull Width--Mean (m) |
| XB_HAG | Rip Dist-Sum Ag Types instrm & | Rip Dist-Sum Ag Types instrm & in plot |
| XB_HALL | Rip Dist--Sum All Types instrm | Rip Dist--Sum All Types instrm & on bank |
| XB_HNOAG | Rip Dist Sum-Non ag Types inst | Rip Dist Sum-Non ag Types instrm & Plot |
| XC | Riparian Veg Canopy Cover | Riparian Veg Canopy Cover |
| XCB_HAG | Rip Dist Sum-Ag Types instrm & | Rip Dist Sum-Ag Types instrm & on Bank |
| XCB_HALL | Rip Dist--Sum All TypeXCB_HALL | Rip Dist--Sum All Types instrm & in plot |
| XCB_HNAG | Rip Dist Sum-Non Ag Types inst | Rip Dist Sum-Non Ag Types instrm & Bank |
| XCDENBK | Mean Bank Canopy Density (%) | Mean Bank Canopy Density (%) |
| XCL | Riparian Canopy > 0.3m DBH (Co | Riparian Canopy > 0.3m DBH (Cover) |
| XCM | Rip Veg Canopy+Mid Layer Cover | Rip Veg Canopy+Mid Layer Cover |
| XCMG | Rip Veg Canopy+Mid+Ground Cove | Rip Veg Canopy+Mid+Ground Cover |
| XCMGW | Rip Veg Canopy+Mid+Ground | Rip Veg Canopy+Mid+Ground Woody Cover |

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| Row ID | Characteristic Name | Description |
|----------|-----------------------------------|--|
| | Wood | |
| XCMW | Rip Veg Canopy+Mid Layer Woody | Rip Veg Canopy+Mid Layer Woody Cover |
| XCS | Riparian Canopy <= 0.3m DBH (C | Riparian Canopy <= 0.3m DBH (Cover) |
| XC_HAG | Rip Dist-Sum of Ag Types in Ri | Rip Dist-Sum of Ag Types in Ripar Plot |
| XC_HALL | Rip Dist--Sum All Types in Rip | Rip Dist--Sum All Types in Ripar Plots |
| XC_HNOAG | Rip Dist Sum-Non Ag Types in R | Rip Dist Sum-Non Ag Types in Ripar Plot |
| XDEPTH | Thalweg Mean Depth (m) | Thalweg Mean Depth (m) |
| XFC_ALG | Lit. cover-fil. Algae (Areal P | Lit. cover-fil. Algae (Areal Prop) |
| XFC_ALL | Lit. cover-sum(all) (Areal Pro | Lit. cover-sum(all) (Areal Prop) |
| XFC_AQM | Lit. cover-aq. Macrophyte(Area | Lit. cover-aq. Macrophyte(Areal Prop) |
| XFC_BIG | Lit. cvr-sum(LWD,RCK,UCB,HUM A | Lit. cvr-sum(LWD,RCK,UCB,HUM Area Prop) |
| XFC_BRS | Lit. cvr-brush&small debris (A | Lit. cvr-brush&small debris (Areal Prop) |
| XFC_HUM | Lit. cover-artif. structs. (Ar | Lit. cover-artif. structs. (Areal Prop) |
| XFC_LWD | Littoral cover-LWD (Areal Prop | Littoral cover-LWD (Areal Prop) |
| XFC_NAT | Lit. cover-sum(nat. types)(Are | Lit. cover-sum(nat. types)(Areal Prop) |
| XFC_OHV | Lit. cover-overhang veg (Areal | Lit. cover-overhang veg (Areal Prop) |
| XFC_RCK | Littoral fish cvr-boulders (Ar | Littoral fish cvr-boulders (Areal Prop) |
| XFC_UCB | Lit. cover-undercut banks (Are | Lit. cover-undercut banks (Areal Prop) |
| XF_HAG | Rip Dist Sum-Ag Types Beyond R | Rip Dist Sum-Ag Types Beyond Ripar Plot |
| XF_HALL | Rip Dist--Sum All Types beyond | Rip Dist--Sum All Types beyond Rip Plots |
| XF_HNOAG | Rip Dist Sum-Non Ag Types Beyo | Rip Dist Sum-Non Ag Types Beyond Rip Plt |
| XG | Riparian Veg Ground Layer Cove | Riparian Veg Ground Layer Cover |
| XGB | Rip Ground Layer Barren (Cover | Rip Ground Layer Barren (Cover) |
| XGH | Rip Ground Layer Herbaceous (C | Rip Ground Layer Herbaceous (Cover) |
| XGW | Rip Ground Layer Woody (Cover) | Rip Ground Layer Woody (Cover) |
| XINC_H | Channel Incision Ht.-Mean (m) | Channel Incision Ht.-Mean (m) |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|---|
| XLDIATOT | Count/reach all small XLDIATOT | Count/reach all small dia lwd |
| XLDRYDIA | Count/reach all dry xlarge dia | Count/reach all dry xlarge dia lwd |
| XLIT | Mean littoral depth (m) | Mean littoral depth (m) |
| XLWETDIA | Count/reach all wet xlarge dia | Count/reach all wet xlarge dia lwd |
| XM | Riparian Veg Mid Layer Cover | Riparian Veg Mid Layer Cover |
| XMH | Rip Mid Layer Herbaceous (Cove | Rip Mid Layer Herbaceous (Cover) |
| XMW | Rip Mid Layer Woody (Cover) | Rip Mid Layer Woody (Cover) |
| XPCAN | Rip Canopy Present (Fraction o | Rip Canopy Present (Fraction of reach) |
| XPCM | Rip Can & MidLayer Present | Rip Can & MidLayer Present (Frac. reach) |
| XPCMG | Riparian 3-Layers Present | Riparian 3-Layers Present (Frac. reach) |
| XPGVEG | Rip Ground Layer Present (Frac | Rip Ground Layer Present (Frac. reach) |
| XPMG | Riparian mid & gnd Present | Riparian mid & gnd Present (Frac. reach) |
| XPMGH | Rip. mid & gnd herb Present | Rip. mid & gnd herb Present (Frac. reach) |
| XPMGW | Rip. mid & gnd wood Present | Rip. mid & gnd wood Present (Frac. reach) |
| XPMID | Rip MidLayer Present (Fraction | Rip MidLayer Present (Fraction of reach) |
| XSHOR2VG | Mean distance shore to vegetat | Mean distance shore to vegetation (m) |
| XSLOPE | Channel Slope -- reach mean (%) | Channel Slope -- reach mean (%) |
| XWD_RAT | Mean Width/Depth Ratio (m/m) | Mean Width/Depth Ratio (m/m) |
| XWIDTH | Wetted Width -- Mean (m) | Wetted Width -- Mean (m) |
| XWXD | Mean Width*Depth Product (m2) | Mean Width*Depth Product (m2) |
| X_HAG | Rip Dist Sum-Ag Types rip Plt | Rip Dist Sum-Ag Types rip Plt & Beyond |
| X_HALL | Rip Dist--Sum All Types str pl | Rip Dist--Sum All Types str plt & beyond |
| X_HNOAG | Rip Dist Sum-Non Ag rip Plt & | Rip Dist Sum-Non Ag rip Plt & Beyond |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIPARN | River Visual Riparian Estimate | Field Msr/Obs | | | | | Y |

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| Row ID | Characteristic Name | Description |
|----------|---------------------------------|--|
| BLDG | presence of buildings (O,P,C,B) | |
| BLDG_F | Presence of buildings flag | |
| BTRE | dens. of big (<0.3m DBH) trees | dens. of big (<0.3m DBH) trees in canopy |
| BTRE_F | density of big trees in canopy | density of big trees in canopy flag |
| CANV | Type of canopy veg | |
| CANV_F | Type of canopy veg : flag | |
| CROP | presence of row crops (O,P,C,B) | presence of row crops (O,P,C,B) |
| CROP_F | Presence of row crops : flag | |
| GCB | ground surface which is bare | |
| GCB_F | Ground surface bare flag | Ground surface which is bare : flag |
| GCNW | ground cover nonwoody | ground cover (<0.5m) by nonwoody veg |
| GCNW_F | Ground cover nonwoody flag | Ground cover by nonwoody veg : flag |
| GCW | ground cover by woody | ground cover (<0.5m) by woody veg |
| GCW_F | Ground cover woody flag | Ground cover by woody veg : flag |
| LDFL | presence of landfill or trash | presence of landfill or trash (O,P,C,B) |
| LDFL_F | Human influence landfill flag | |
| LOG | Presence of logging operations | presence of logging operations (O,P,C,B) |
| LOG_F | Human influence logging flag | Human influence logging operations flag |
| MINACT | Mining Activity | presence of mining activity (O,P,C,B) |
| MINACT_F | Human influence mining flag | Human influence mining activity flag |
| NONW | Understory cover by nonwdy | understory (0.5-5m)cover by nonwoody veg |
| NONW_F | Understory non-woody flag | |
| PARK | Presence of park or lawn | presence of park or lawn (O,P,C,B) |
| PARK_F | Human influence park flag | |
| PIPE | Presence of intake of outlet | presence of intake of outlet (O,P,C,B) |
| PIPE_F | Human influence pipe flag | |
| PSTR | Presence of pasture/range/hay | presence of pasture/range/hay (O,P,C,B) |

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| Row ID | Characteristic Name | Description |
|--------|--------------------------------|---|
| PSTR_F | Human influence pasture flag | |
| PVMT | Presence of pavement (O,P,C,B) | |
| PVMT_F | Human influence pavement flag | |
| ROAD | Presence of road/railroad | presence of road/railroad (O,P,C,B) |
| ROAD_F | Human influence road flag | |
| STRE | Dens. of small trees in can. | dens. of small (>0.3 DBH) trees in can. |
| STRE_F | Canopy small trees flag | |
| UNDV | Type of understory veg | |
| UNDV_F | Understory veg type flag | |
| WALL | Presence of wall/dam/other | Presence of wall/dam/other (O,P,C,B) |
| WALL_F | Human influence wall flag | |
| WOOD | Understory cover by woody | understory (0.5-5m) cover by woody veg |
| WOOD_F | Understory woody flag | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| STRESSRS | Additional Site Related Info. | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| AG_TOT | Total Watershed Ag Landuse (%) | Total Agricultural Landuse in Watershed in percent. Includes NLCD-61 Orchards, Vineyards, Other; NLCD-81 Pasture/Hay; NLCD-82 Row Crops; NLCD-83 Small Grains; and NLCD-84 Fallow |
| ASPCTDEG | Watershed Aspect (Deg) | Aspect of Watershed Longest Dimension in degrees |
| BAR_TOT | Total Watershed Barren (%) | Total Watershed with Barren Landuse in percent. Includes NLCD-31 Bare Rock, Sand, Clay and NLCD033 Transitional. |
| CAN_MEX | Missing Data Can or Mex (Y/N) | Missing Data in Canada or Mexico. Yes or No |
| DAMCOUNT | Number of Dams (count) | Number of Dams from National Inventory of Dams |
| DISTOT | Urb, Ag, Mine Landuse (%) | Total Urban Landuse + Total Agricultural Landuse + Total Mine Landuse in percent |
| ELEVMAX | Max Watershed Elevation (m) | Maximum Watershed Elevation in meters |
| ELEVMEAN | Mean Watershed Elevation (m) | Mean Watershed Elevation in meters |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|---|
| ELEVMIN | Min Watershed Elevation (m) | Minimum Watershed Elevation in meters |
| ELEVSTD | Std Watershed Elevation (m) | Standard Watershed Elevation in meters |
| FEN_SECT | Fenneman Physiographic Section | Fenneman Physiographic Section |
| FOR_TOT | Total Watershed Forested (%) | Total Watershed with Forested Landuse in percent. Includes NLCD-41 Deciduous Forest, NLCD-42 Evergreen Forest ,and NLCD-43 Mixed Forest |
| GRAZING | Degradation from Cattle | Potential for water degradation due to cattle grazing. Score from 0 through 100,000 |
| H2O_TOT | Total Watershed Water (%) | Total watershed that is water in percent. NLCD-11 Open Water |
| KM_SEA | Distance to Ocean (km) | Straight-line distance to ocean in kilometers |
| LTROFF_M | Annual Runoff (m) | Annual runoff in meters |
| MINES | Active and Aband Mines (count) | Number of active and abandoned mines |
| MINE_TOT | Total Watershed Mines (%) | Total Watershed Landuse that is mines in percent. NLCD-32 Quarries, Strip Mines, and Gravel Pits |
| NLCD_11 | Open Water Landuse (%) | Open water landuse in percent. NLCD-11 |
| NLCD_12 | Peren Ice and Snow Landuse (%) | Perennial Ice and Snow Landuse in percent. NLCD-12 |
| NLCD_21 | Low Intens Residen Landuse (%) | Low Intensity Residential Landuse in percent. NLCD-21 |
| NLCD_22 | Hi Intens Residen Landuse (%) | High intensity Residential Landuse in percent. NLCD-22 |
| NLCD_23 | Commercial Landuse (%) | Commercial, Industrial, and Transportation Landuse in percent. NLCD-23 |
| NLCD_31 | Bare Rock,Snd,Clay Landuse (%) | Bare rock, sand, or clay landuse in percent. NLCD-31 |
| NLCD_32 | Surface Mine Landuse (%) | Quarries, strip mines, or gravel pit landuse. NLCD-32 |
| NLCD_33 | Transitional Landuse (%) | Transitional landuse in percent. NLCD-33 |
| NLCD_41 | Deciduous Forest Landuse (%) | Deciduous forest landuse in percent. NLCD-41 |
| NLCD_42 | Evergreen Forest Landuse (%) | Evergreen forest landuse in percent. NLCD-42 |
| NLCD_43 | Mixed Forest Landuse (%) | Mixed forest landuse in percent. NLCD-43 |
| NLCD_51 | Shrubland Landuse (%) | Shrubland Landuse in percent. NLCD-51 |
| NLCD_61 | Orchard, Vineyard Landuse (%) | Orchard, vineyard, and other landuse in percent. NLCD-61 |
| NLCD_71 | Grassland, Herbac Landuse (%) | Grassland and herbaceous landuse in percent. NLCD-71 |
| NLCD_81 | Pasture and Hay Landuse (%) | Pasture and hay landuse in percent. NLCD-81 |
| NLCD_82 | Row Crops Landuse (%) | Row crops landuse in percent. NLCD-82 |

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| Row ID | Characteristic Name | Description |
|----------|--------------------------------|--|
| NLCD_83 | Small Grains Landuse (%) | Small grains landuse in percent. NLCD-83 |
| NLCD_84 | Fallow Landuse (%) | Fallow landuse in percent. NLCD-84 |
| NLCD_85 | Urb, Recreation Grass LU (%) | Urban recreational grasses landuse in percent. NLCD-85 |
| NLCD_91 | Woody Wetlands Landuse (%) | Woody wetlands landuse in percent. NLCD-91 |
| NLCD_92 | Emerg Herb Wetland Landuse (%) | Emergent herbaceous wetland landuse in percent. NLCD-92 |
| NON_RES | Total Watershed NonRes Urb (%) | Total watershed non-residential urban in percent. NLCD-23 Commercial, Industrial, and Transportation |
| POPDENKM | Pop Density (persons/km2) | Population density in persons per square kilometer |
| PRECIP_M | Annual Precipitation (m) | Annual Precipitation in meters |
| RD_DEN | Road Density (m/ha) | Road density in meters per hectare |
| RNG_TOT | Total Watershed Rangeland (%) | Total watershed with rangeland landuse in percent. NLCD-71 Grassland, Herbaceous and NLCD-51 Shrubland |
| ROUGHNES | Terrain Roughness (unitless) | Terrain Roughness |
| SECTNAME | Fenneman Section Name | Section name on Fenneman (1946) map |
| SLOPMEAN | Mean Watershed Slope (%) | Mean watershed slope in percent |
| STRAHLER | Strahler Stream Order | Strahler stream order from RF3 stream data |
| SURFGEOL | Surface Geological Class | Surficial geological class at the X-site |
| TUN_TOT | Total Watershed Tundra (%) | Total watershed with tundra landuse in percent. NLCD-12 Perennial Ice and snow |
| URB_TOT | Total Watershed Urban (%) | Total watershed with urban landuse in percent. NLCD-21 Low Intesity Residential; NLCD-22 High Intensity Residential; NLCD-23 Commercial, Industrial, and Transportation; and NLCD-85 Urban Recreational Grasslands |
| WETL_TOT | Total Watershed Wetlands (%) | Total watershed with wetlands landuse in percent. NLCD-91 Woody Wetlands and NLCD-92 Emergent Herbaceous Wetlands |
| WSAREAKM | Digitized Watershed Area (km2) | Watershed area digitized from maps in square kilometers |
| WSLOCLKM | Lcl WS Area Intrbsn Tran (km2) | Local watershed area if interbasin transfers in square kilometers |
| XELEV | Elevation at the X-site (m) | Elevation at the X-site (m) |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| SUBBANK | Bank geometry and substrate | Field Msr/Obs | | | | | Y |

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| Row ID | Characteristic Name | Description |
|-----------|--------------------------------|--|
| ANGLE | Bank angle | Bank meas. angle (0-360 degree) |
| BANKHT | Bankfull height | bankfull height above water surface (m) |
| BANKHT_F | Bank height flag | |
| BANKWD_F | Bank width flag | |
| BANKWID | Bankfull width | Bank meas. bankfull width (m) |
| BANKWIDF | Bank width flag2 | |
| BARWID | Bar width (m) | |
| BARWID_F | Bar width flag | |
| COM_FLDF | Flag | |
| DEPTH | Depth of water (cm) | |
| DIST_LB | Distance from the left bank | distance from the left bank (m) |
| DMETHOD | Method of depth measurement | Method of depth measurement (pole/sonar) |
| EMBED | Embeddedness of gravel+sized | %embeddedness of gravel+sized substrate |
| FLAG_BNK | Bank meas. angle/undercut flag | |
| FLAG_SUB | Subs. flag | Subs. flag(Dist_LB/Depth/Size_cls/EMBED) |
| INCISED | Channel incision | channel incision to water surface (m) |
| INCISED_F | Bank incised height flag | |
| INCIS_F | Bank incised height flag2 | |
| LITDEP1 | Littoral depth measurement | Littoral depth measurement, one of five |
| LITDEP2 | Littoral depth measurement 2 | Littoral depth measurement, one of five |
| LITDEP3 | Littoral depth measurement 3 | Littoral depth measurement, one of five |
| LITDEP4 | Littoral depth measurement 4 | Littoral depth measurement, one of five |
| LITDEP5 | Littoral depth measurement 5 | Littoral depth measurement, one of five |
| SIZE_CLS | Substrate particle size class | |
| SIZE_D_B | Bottom dominant substrate | |
| SIZE_D_S | Dominate shore substrate | |
| SIZE_S_B | Bottom secondary substrate | |

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| Row ID | Characteristic Name | Description | | | | | |
|----------|---------------------------|--|--|--|--|--|--|
| SIZE_S_S | Secondary shore substrate | | | | | | |
| SUBOBS | Substrate from | Substrate from (JUDGement/OBServation) | | | | | |
| UNDERCUT | Distance of bank undercut | distance of bank undercut by water (m) | | | | | |
| WT_WID | Wetted width (m) | | | | | | |
| WT_WID_F | Wetted width flag | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| THALWEG | Thalweg data | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description | | | | | |
|--------------|--------------------------------|---|--|--|--|--|--|
| ACTRANSPC | Actual transect spacing | | | | | | |
| BACKWATR | Backwater | Backwater (X for yes) | | | | | |
| BARWID | Bar width (m) | | | | | | |
| BARYES | Bar present (Y/N) | | | | | | |
| BEAR1 | BEAR1 | | | | | | |
| BEAR2 | BEAR2 | | | | | | |
| BEAR3 | BEAR3 | | | | | | |
| BEAR4 | BEAR4 | | | | | | |
| BEAR5 | BEAR5 | | | | | | |
| BEAR6 | BEAR6 | | | | | | |
| BEART | BEART | | | | | | |
| CALCINCREMNT | Calculated increment b/t trans | Definition inferred as not provided in file: Calculated uniform increment between transects (m) | | | | | |
| CHANUNIT | Channel unit code | | | | | | |
| CHAN_HAB | Channel unit code Rthalweg | | | | | | |
| COM_FLDF | Flag | | | | | | |
| COM_FLG2 | COM_FLG2 | | | | | | |
| COM_FLG3 | COM_FLG3 | | | | | | |

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| Row ID | Characteristic Name | Description |
|----------|------------------------------|---|
| DEPTH | Thalweg depth (cm) | |
| DIST1 | Distance 1 | Definition & unit not provided |
| DIST2 | Distance 2 | Definition and unit not provided, definition inferred |
| DISTT | Distance total | Definiton and unit not provided, definition inferred |
| DMETHOD | Method of measuring depth | |
| FLAG | Flag Rthalweg | |
| INCREMNT | Uniform increment | Uniform increment between transects (m) |
| INDI | Station number | Station number (0-14) |
| METHOD | Method used to measure slope | Method used to measure slope (CL,LA) |
| OFF_CHAN | Presence of offchannel | Presence of offchannel/backwater (Y/N) |
| PAGE_NO | Page number | |
| POOLFORM | Pool form code | |
| PROPORT1 | PROPORT1 | |
| PROPORT2 | 1st supplemental proportion | 1st supplemental proportion - streams |
| PROPORT3 | 2nd supplemental proportion | 2nd supplemental proportion - streams |
| PROPORT4 | PROPORT4 | |
| PROPORT5 | PROPORT5 | |
| PROPORT6 | PROPORT6 | |
| PROPORTT | PROPORTT | |
| REACHLEN | Total Reach Length (m) | |
| SB_COM_F | Flag2 | |
| SEDIMENT | Soft/small Sediment | Soft/small Sediment (X for yes) |
| SIDCHAN | Side channel (X for yes) | |
| SLOPE1 | SLOPE1 | |
| SLOPE2 | SLOPE2 | 1st supplemental slope(%) |
| SLOPE3 | SLOPE3 | 2nd supplemental slope(%) |
| SLOPE4 | SLOPE4 | |

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| Row ID | Characteristic Name | Description |
|----------|-------------------------------|--------------------------------------|
| SLOPE5 | SLOPE5 | |
| SLOPE6 | SLOPE6 | |
| SLOPET | SLOPET | |
| SNAG | Snag (Y or N) | |
| SUBSTRAT | Substrate particle size class | |
| TRANSPC | Intended transect spacing (m) | |
| UNITS | Slope measurement units | Slope measurement units (cm,percent) |
| WT_WID | Wetted width (m) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| VERTMET | WEMPA Vertebrate Metrics | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|---------------------|--------------------------------|--|
| ACIP_PIND | Pro of Vrt Abn in the Family A | Proportion of Vertebrate Abundance in the Family Acipenseridae |
| AIR_PIND | Pro of Indvs that are Airbreat | Proportion of Individuals that are Airbreather |
| AIR_PTAX | Pro of All Sp that are Airbrea | Proportion of All Species that are Airbreather |
| AIR_RICH | Air Breathing Species Richness | Air Breathing Species Richness |
| ALIEN_FISH_NIND | Abundance of Alien Fish | Abundance of Alien Fish |
| ALIEN_FISH_PIND | Proportion of Individual Fish | Proportion of Individual Fish that are Alien |
| ALIEN_FISH_PTAX | Proportion of Fish Species | Proportion of Fish Species that are Alien |
| ALIEN_LOTC_PIN D | Proportion of Individuals | Proportion of Individuals that are Alien Lotic |
| ALIEN_LOTC_PTA X | Pro of All Species that | Proportion of All Species that are Alien Lotic |
| ALIEN_LOTC_RIC H | Alien Lotic Species Richness | Alien Lotic Species Richness |
| ALIEN_VERT_NIN D | Abundance of Alien Vertebrates | Abundance of Alien Vertebrates |

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| Row ID | Characteristic Name | Description |
|-------------------|--------------------------------|---|
| ALIEN_VERT_PIND | Pro of All Individuals that ar | Pro of All Individuals that are Alien |
| ALIEN_VERT_PTAX | Proportion of All Species that | Proportion of All Species that are Alien |
| ALIEN_VERT_RICH | Alien Vertebrate Species Richn | Alien Vertebrate Species Richness |
| AMBY_PIND | Proportion of Vertebrate Abund | Proportion of Vertebrate Abundance in the Family Ambystomatidae |
| AQUA_NAT_PIND | Proportion of Individuals that | Proportion of Individuals that are Native Aquatic |
| AQUA_NAT_PTAX | Pro of All Sp that are Native | Proportion of All Species that are Native Aquatic |
| AQUA_NAT_RICH | Native Aquatic Species Richnes | Native Aquatic Species Richness |
| BENT_NAT_PIND | Pro of Ind that are Native Ben | Proportion of Individuals that are Native Benthic |
| BENT_NAT_PTAX | Pro of All Sp that are NB | Proportion of All Species that are Native Benthic |
| BENT_NAT_RICH | Native Benthic Species Richnes | Native Benthic Species Richness |
| BENT_NT_NAT_PIND | Pro Ind that are Native Nontol | Proportion of Individuals that are Native Nontolerant Benthic |
| BENT_NT_NAT_PTAX | Pro Sp that are Native Nontol | Proportion of All Species that are Native Nontolerant Benthic |
| BENT_SEN_NAT_PIND | Pro of Ind Native Sens Ben | Proportion of Individuals that are Native Sensitive Benthic |
| BENT_SEN_NAT_PTAX | Pro of All Sp Native Sens Ben | Proportion of All Species that are Native Sensitive Benthic |
| BINV_NAT_NIND | Abundance of Native Benthic In | Abundance of Native Benthic Invertivore Individuals |
| BINV_NAT_PIND | Pro of Ind Native Benthic Inve | Proportion of Individuals that are Native Benthic Invertivores |
| BINV_NAT_PTAX | Pro All Spe Native Benthic Inv | Proportion of All Species that are Native Benthic Invertivores |
| BINV_NAT_RICH | Native Benthic Invertivore Spe | Native Benthic Invertivore Species Richness |
| BUFO_PIND | Pro of Vert Abund Family Bufon | Proportion of Vertebrate Abundance in the Family Bufonidae |
| CATOICT_NAT_PIND | Abundance of Native Catostomid | Abundance of Native Catostomids and Native Ictalurids |
| CATOICT_NAT_RICH | Native Catostomid and Ictaluri | Native Catostomid and Ictalurid Species Richness |

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| Row ID | Characteristic Name | Description |
|-------------------|---------------------------------|---|
| CH | | |
| CATO_PIND | Pro of Vert Abund Family Catos | Proportion of Vertebrate Abundance in the Family Catostomidae |
| CAUD_PIND | Proportion of Order Caudata | Proportion of Vertebrate Abundance in the Order Caudata |
| CENT_PIND | Pro of Vrt Abn in the Family C | Proportion of Vertebrate Abundance in the Family Centrarchidae |
| CHELY_PIND | Pro of Vrt Abn in the Fam Chel | Proportion of Vertebrate Abundance in the Family Chelydridae |
| CLUP_PIND | Pro of Vrt Abn Family Clupeida | Proportion of Vertebrate Abundance in the Family Clupeidae |
| COLD_NAT_NIND | Abundance of Native Coldwater | Abundance of Native Coldwater Individuals |
| COLD_NAT_PIND | Pro of Indvs that are Ntv Cold | Proportion of Individuals that are Native Coldwater |
| COLD_NAT_PTAX | Pro of All Sp that are Ntv Col | Proportion of All Species that are Native Coldwater |
| COLD_NAT_RICH | Native Coldwater Species Richn | Native Coldwater Species Richness |
| COLD_NT_NAT_PIND | Pro of Indvs that are Ntv Nont | Proportion of Individuals that are Native Nontolerant Coldwater |
| COLD_NT_NAT_PTAX | Pro of All Sp that are Ntv Non | Proportion of All Species that are Native Nontolerant Coldwater |
| COLD_SEN_NAT_PIND | Pro of Indvs that are Ntv Sens | Proportion of Individuals that are Native Sensitive Coldwater |
| COLD_SEN_NAT_PTAX | Pro of All Sp that are Ntv Sen | Proportion of All Species that are Native Sensitive Coldwater |
| COLUB_PIND | Pro of Vrt Abn Family Colubrid | Proportion of Vertebrate Abundance in the Family Colubridae |
| COOL_NAT_PIND | Pro of Indvs that are Ntv Cool | Proportion of Individuals that are Native Coolwater |
| COOL_NAT_PTAX | Pro of All Sp that are Ntv Cool | Proportion of All Species that are Native Coolwater |
| COOL_NAT_RICH | Native Coolwater Species Richn | Native Coolwater Species Richness |
| COOL_NT_NAT_PIND | Pro of Indvs Ntv Nont Coolwat | Proportion of Individuals that are Native Nontolerant Coolwater |
| COOL_NT_NAT_PTAX | Pro of All Sp Ntv Nont Coolwat | Proportion of All Species that are Native Nontolerant Coolwater |
| COOL_SEN_NAT_PIND | Pro of Indvs Ntv Sens Coolwat | Proportion of Individuals that are Native Sensitive Coolwater |
| COOL_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Coolwat | Proportion of All Species that are Native Sensitive Coolwater |

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| Row ID | Characteristic Name | Description |
|------------------|--------------------------------|---|
| PTAX | | |
| COTT_PIND | Pro of Vrt Abn Family Cottidae | Proportion of Vertebrate Abundance in the Family Cottidae |
| CWRHEO_NAT_RICH | Native Coldwater Rheophilic Sp | Native Coldwater Rheophilic Species Richness |
| CYPR_PIND | Pro of Vrt Abn Family Cyprinid | Proportion of Vertebrate Abundance in the Family Cyprinidae |
| DICAMP_PIND | Pro of Vrt Abn Fam Dicamptodo | Proportion of Vertebrate Abundance in the Family Dicamptodontidae |
| EMYDID_PIND | Pro of Vrt Abn Fam Emydidae | Proportion of Vertebrate Abundance in the Family Emydidae |
| ESOC_PIND | Pro of Vrt Abn Fam Esocidae | Proportion of Vertebrate Abundance in the Family Esocidae |
| FAM_NAT_RICH | Ntv Vrt Fam Richness | Native Vertebrate Family Richness |
| FAM_RICH | Vertebrate Family Richness | Vertebrate Family Richness |
| FISH_NAT_RICH | Native Fish Species Richness | Native Fish Species Richness |
| FISH_NIND | Abundance of Fish | Abundance of Fish |
| FISH_RICH | Fish Species Richness | Fish Species Richness |
| FUND_PIND | Pro of Vrt Abn Fam Fundulidae | Proportion of Vertebrate Abundance in the Family Fundulidae |
| GADID_PIND | Pro of Vrt Abn Fam Gadidae | Proportion of Vertebrate Abundance in the Family Gadidae |
| GAST_PIND | Pro of Vrt Abn Fam Gasteroste | Proportion of Vertebrate Abundance in the Family Gasterosteidae |
| HERB_NAT_PIND | Pro of Indvs Ntv Herbivore | Proportion of Individuals that are Native Herbivore |
| HERB_NAT_PTAX | Pro of All Sp Ntv Herbivore | Proportion of All Species that are Native Herbivore |
| HERB_NAT_RICH | Native Herbivore Species Richn | Native Herbivore Species Richness |
| HERB_NT_NAT_PIND | Pro of Indvs Ntv Nont Herbivo | Proportion of Individuals that are Native Nontolerant Herbivore |
| HERB_NT_NAT_PTAX | Pro of All Sp Ntv Nont Herbiv | Proportion of All Species that are Native Nontolerant Herbivore |
| HERB_NT_PIND | Pro of Indvs Nont Herbivore | Proportion of Individuals that are Nontolerant Herbivore |
| HERB_NT_PTAX | Pro of All Sp Nont Herbivore | Proportion of All Species that are Nontolerant Herbivore |
| HERB_PIND | Pro of Indvs Herbivore | Proportion of Individuals that are Herbivore |
| HERB_PTAX | Pro of All Sp Herbivore | Proportion of All Species that are Herbivore |
| HERB_RICH | Herbivore Species Richness | Herbivore Species Richness |

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| Row ID | Characteristic Name | Description |
|-------------------|--------------------------------|---|
| HERB_SEN_NAT_PIND | Pro of Indvs Ntv Sens Herbivo | Proportion of Individuals that are Native Sensitive Herbivore |
| HERB_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Herbiv | Proportion of All Species that are Native Sensitive Herbivore |
| HERB_SEN_PIND | Pro of Indvs Sens Herbivore | Proportion of Individuals that are Sensitive Herbivore |
| HERB_SEN_PTAX | Pro of All Sp Sens Herbivore | Proportion of All Species that are Sensitive Herbivore |
| HIDE_NAT_PIND | Pro of Indvs Ntv Hider | Proportion of Individuals that are Native Hider |
| HIDE_NAT_PTAX | Pro of All Sp Ntv Hider | Proportion of All Species that are Native Hider |
| HIDE_NAT_RICH | Native Hider Species Richness | Native Hider Species Richness |
| HIDE_NT_NAT_PIND | Pro of Indvs Ntv Nont Hider | Proportion of Individuals that are Native Nontolerant Hider |
| HIDE_NT_NAT_PTAX | Pro of All Sp Ntv Nont Hider | Proportion of All Species that are Native Nontolerant Hider |
| HIDE_SEN_NAT_PIND | Pro of Indvs Ntv Sens Hider | Proportion of Individuals that are Native Sensitive Hider |
| HIDE_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Hider | Proportion of All Species that are Native Sensitive Hider |
| HIOD_PIND | Pro of Vrt Abn Fam Hiodontida | Proportion of Vertebrate Abundance in the Family Hiodontidae |
| HYLI_PIND | Pro of Vrt Abn Fam Hylidae | Proportion of Vertebrate Abundance in the Family Hylidae |
| ICTA_PIND | Pro of Vrt Abn Fam Ictalurida | Proportion of Vertebrate Abundance in the Family Ictaluridae |
| INVCYPR_NIND | Abn of Cyprinid Invertivores | Abundance of Cyprinid Invertivores |
| INVCYPR_PIND | Pro of Indvs Cyprinid Inverti | Proportion of Individuals that are Cyprinid Invertivores |
| INVCYPR_PTAX | Pro of All Sp Cyprinid Invert | Proportion of All Species that are Cyprinid Invertivores |
| INVCYPR_RICH | Cyprinid Invertivore Sp Richne | Cyprinid Invertivore Species Richness |
| INVPISC_NAT_PIND | Pro of Indvs Ntv Invertivore/ | Proportion of Individuals that are Native Invertivore/Piscivore |
| INVPISC_NAT_PTAX | Pro of All Sp Ntv Invertivore | Proportion of All Species that are Native Invertivore/Piscivore |
| INVPISC_NAT_RICH | Ntv Invertivore/Piscivore Sp R | Native Invertivore/Piscivore Species Richness |

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| Row ID | Characteristic Name | Description |
|---------------------------|--------------------------------|---|
| INVPIISC_NT_NAT_PIND | Pro of Indvs Ntv Nont Inverti | Proportion of Individuals that are Native Nontolerant Invertivore/Piscivore |
| INVPIISC_NT_NAT_PTAX | Pro of All Sp Ntv Nont Invert | Proportion of All Species that are Native Nontolerant Invertivore/Piscivore |
| INVPIISC_NT_PIND | Pro of Indvs Nont Invertivore | Proportion of Individuals that are Nontolerant Invertivore/Piscivore |
| INVPIISC_NT_PTA X | Pro of All Sp Nont Invertivor | Proportion of All Species that are Nontolerant Invertivore/Piscivore |
| INVPIISC_PIND | Pro of Indvs Invertivore/Pisc | Proportion of Individuals that are Invertivore/Piscivore |
| INVPIISC_PTAX | Pro of All Sp Invertivore/Pis | Proportion of All Species that are Invertivore/Piscivore |
| INVPIISC_RICH | Invertivore/Piscivore Sp Richn | Invertivore/Piscivore Species Richness |
| INVPIISC_SEN_NA T_PIND | Pro of Indvs Ntv Sens Inverti | Proportion of Individuals that are Native Sensitive Invertivore/Piscivore |
| INVPIISC_SEN_NA T_PTAX | Pro of All Sp Ntv Sens Invert | Proportion of All Species that are Native Sensitive Invertivore/Piscivore |
| INVPIISC_SEN_PIN D | Pro of Indvs Sens Invertivore | Proportion of Individuals that are Sensitive Invertivore/Piscivore |
| INVPIISC_SEN_PT AX | Pro of All Sp Sens Invertivor | Proportion of All Species that are Sensitive Invertivore/Piscivore |
| INV_NAT_PIND | Pro of Indvs Ntv Invertivore | Proportion of Individuals that are Native Invertivore |
| INV_NAT_PTAX | Pro of All Sp Ntv Invertivor | Proportion of All Species that are Native Invertivore |
| INV_NAT_RICH | Ntv Invertivore Sp Richness | Native Invertivore Species Richness |
| INV_NT_NAT_PIN D | Pro of Indvs Ntv Nont Invert | Proportion of Individuals that are Native Nontolerant Invertivore |
| INV_NT_NAT_PTA X | Pro of All Sp Ntv Nont Invert. | Proportion of All Species that are Native Nontolerant Invertivore |
| INV_NT_PIND | Pro of Indvs Nont Invertivore | Proportion of Individuals that are Nontolerant Invertivore |
| INV_NT_PTAX | Pro of All Sp Nont Invertivore | Proportion of All Species that are Nontolerant Invertivore |
| INV_PIND | Pro of Indvs Invertivore | Proportion of Individuals that are Invertivore |
| INV_PTAX | Pro of All Sp Invertivore | Proportion of All Species that are Invertivore |
| INV_RICH | Invertivore Species Richness | Invertivore Species Richness |

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| Row ID | Characteristic Name | Description |
|-------------------|--------------------------------|--|
| INV_SEN_NAT_PIND | Pro of Indvs Ntv Sens Invertiv | Proportion of Individuals that are Native Sensitive Invertivore |
| INV_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Inverti | Proportion of All Species that are Native Sensitive Invertivore |
| INV_SEN_PIND | Pro of Indvs Sens Invertivore | Proportion of Individuals that are Sensitive Invertivore |
| INV_SEN_PTAX | Pro of All Sp Sens Invertivore | Proportion of All Species that are Sensitive Invertivore |
| KINO_PIND | Pro of Vrt Abn Fam Kinosterni | Proportion of Vertebrate Abundance in the Family Kinosternidae |
| LEIO_PIND | Pro of Vrt Abn Fam Leiopelmat | Proportion of Vertebrate Abundance in the Family Leiopelmatidae |
| LEPISO_PIND | Pro of Vrt Abn Fam Lepisoste | Proportion of Vertebrate Abundance in the Family Lepisosteidae |
| LITH_NAT_NIND | Abn of Ntv Lithophilic Indvs | Abundance of Native Lithophilic Individuals |
| LITH_NAT_PIND | Pro of Indvs Ntv Lithophils | Proportion of Individuals that are Native Lithophils |
| LITH_NAT_PTAX | Pro of All Sp Ntv Lithophils | Proportion of All Species that are Native Lithophils |
| LITH_NAT_RICH | Ntv Lithophilic Sp Richness | Native Lithophilic Species Richness |
| LITH_NIND | Abundance of Lithophilic Indvs | Abundance of Lithophilic Individuals |
| LITH_PIND | Pro of Indvs Lithophils | Proportion of Individuals that are Lithophils |
| LITH_PTAX | Pro of All Sp Lithophils | Proportion of All Species that are Lithophils |
| LITH_RICH | Lithophilic Species Richness | Lithophilic Species Richness |
| LONG_NAT_PIND | Pro of Indvs Ntv Long-lived | Proportion of Individuals that are Native Long-lived |
| LONG_NAT_PTAX | Pro of All Sp Ntv Long-lived | Proportion of All Species that are Native Long-lived |
| LONG_NAT_RICH | Native Long-lived Species Rich | Native Long-lived Species Richness |
| LONG_NT_NAT_PIND | Pro of Indvs Ntv Nont Long-li | Proportion of Individuals that are Native Nontolerant Long-lived |
| LONG_NT_NAT_PTAX | Pro of All Sp Ntv Nont Long-l | Proportion of All Species that are Native Nontolerant Long-lived |
| LONG_SEN_NAT_PIND | Pro of Indvs Ntv Sens Long-li | Proportion of Individuals that are Native Sensitive Long-lived |
| LONG_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Long-l | Proportion of All Species that are Native Sensitive Long-lived |
| LOTIC_NAT_PIND | Pro of Indvs Ntv Lotic | Proportion of Individuals that are Native Lotic |

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| Row ID | Characteristic Name | Description |
|-----------------------|--------------------------------|---|
| LOTC_NAT_PTAX | Pro of All Sp Ntv Lotic | Proportion of All Species that are Native Lotic |
| LOTC_NAT_RICH | Native Lotic Species Richness | Native Lotic Species Richness |
| LOTC_NT_NAT_PI ND | Pro of Indvs Ntv Nont Lotic | Proportion of Individuals that are Native Nontolerant Lotic |
| LOTC_NT_NAT_PT AX | Pro of All Sp Ntv Nont Lotic | Proportion of All Species that are Native Nontolerant Lotic |
| LOTC_SEN_NAT_ PIND | Pro of Indvs Ntv Sens Lotic | Proportion of Individuals that are Native Sensitive Lotic |
| LOTC_SEN_NAT_ PTAX | Pro of All Sp Ntv Sens Lotic | Proportion of All Species that are Native Sensitive Lotic |
| NEST_NIND | Abn of Non-Lithophilic Nest | Abundance of Non-Lithophilic Nest Guarding Individuals |
| NEST_PIND | Pro of Indvs Non-Lithophilic | Proportion of Individuals that are Non-Lithophilic Nest Guardians |
| NEST_PTAX | Pro of All Sp Non-Lithophilic | Proportion of All Species that are Non-Lithophilic Nest Guardians |
| NEST_RICH | Non-Lithophilic Nest Guarding | Non-Lithophilic Nest Guarding Species Richness |
| NT_RICH | Non-Tolerant Species Richness | Non-Tolerant Species Richness |
| OMNI_PIND | Pro of Indvs Omnivore | Proportion of Individuals that are Omnivore |
| OMNI_PTAX | Pro of All Sp Omnivore | Proportion of All Species that are Omnivore |
| OMNI_RICH | Omnivore Species Richness | Omnivore Species Richness |
| PCT_SAMP | Percent of Sampled Transpaces | Percent of Sampled Transpaces Fished |
| PERCICH_PIND | Pro of Vrt Abn Fam Percichthy | Proportion of Vertebrate Abundance in the Family Percichthyidae |
| PERCOP_PIND | Pro of Vrt Abn Fam Percopsidae | Proportion of Vertebrate Abundance in the Family Percopsidae |
| PERC_PIND | Pro of Vrt Abn Fam Percidae | Proportion of Vertebrate Abundance in the Family Percidae |
| PETRO_PIND | Pro of Vrt Abn Fam Petromyzon | Proportion of Vertebrate Abundance in the Family Petromyzontidae |
| PIPI_PIND | Pro of Vrt Abn Fam Pipidae | Proportion of Vertebrate Abundance in the Family Pipidae |
| PISC_NAT_PIND | Pro of Indvs Ntv Piscivore | Proportion of Individuals that are Native Piscivore |
| PISC_NAT_PTAX | Pro of All Sp Ntv Piscivore | Proportion of All Species that are Native Piscivore |
| PISC_NAT_RICH | Ntv Piscivore Sp Richness | Native Piscivore Species Richness |
| PISC_NT_NAT_PI | Pro of Indvs Ntv Nont Piscivo | Proportion of Individuals that are Native Nontolerant Piscivore |

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| Row ID | Characteristic Name | Description |
|-----------------------|--------------------------------|--|
| ND | | |
| PISC_NT_NAT_PT AX | Pro of All Sp Ntv Nont Pisciv | Proportion of All Species that are Native Nontolerant Piscivore |
| PISC_NT_PIND | Pro of Indvs Nont Piscivore | Proportion of Individuals that are Nontolerant Piscivore |
| PISC_NT_PTAX | Pro of All Sp Nont Piscivore | Proportion of All Species that are Nontolerant Piscivore |
| PISC_PIND | Pro of Indvs Piscivore | Proportion of Individuals that are Piscivore |
| PISC_PTAX | Pro of All Sp Piscivore | Proportion of All Species that are Piscivore |
| PISC_RICH | Piscivore Species Richness | Piscivore Species Richness |
| PISC_SEN_NAT_P IND | Pro of Indvs Ntv Sens Piscivo | Proportion of Individuals that are Native Sensitive Piscivore |
| PISC_SEN_NAT_P TAX | Pro of All Sp Ntv Sens Pisc | Proportion of All Species that are Native Sensitive Piscivore |
| PISC_SEN_PIND | Pro of Indvs Sens Piscivore | Proportion of Individuals that are Sensitive Piscivore |
| PISC_SEN_PTAX | Pro of All Sp Sens Piscivore | Proportion of All Species that are Sensitive Piscivore |
| POECIL_PIND | Pro of Vrt Abn Fam Poeciliida | Proportion of Vertebrate Abundance in the Family Poeciliidae |
| RANI_PIND | Pro of Vrt Abn Fam Ranidae | Proportion of Vertebrate Abundance in the Family Ranidae |
| RHEO_NAT_PIND | Pro of Indvs Ntv Rheophilic | Proportion of Individuals that are Native Rheophilic |
| RHEO_NAT_PTAX | Pro of All Sp Ntv Rheophilic | Proportion of All Species that are Native Rheophilic |
| RHEO_NAT_RICH | Native Rheophilic Species Rich | Native Rheophilic Species Richness |
| RHEO_NT_NAT_PI ND | Pro of Indvs Ntv Nont Rheophi | Proportion of Individuals that are Native Nontolerant Rheophilic |
| RHEO_NT_NAT_P TAX | Pro of All Sp Ntv Nont Rheoph | Proportion of All Species that are Native Nontolerant Rheophilic |
| RHEO_SEN_NAT_ PIND | Pro of Indvs Ntv Sens Rheophi | Proportion of Individuals that are Native Sensitive Rheophilic |
| RHEO_SEN_NAT_ PTAX | Pro of All Sp Ntv Sens Rheoph | Proportion of All Species that are Native Sensitive Rheophilic |
| RHEO_SEN_PIND | Pro of Indvs Sens Rheophilic | Proportion of Individuals that are Sensitive Rheophilic |
| RHEO_SEN_PTAX | Pro of All Sp Sens Rheophilic | Proportion of All Species that are Sensitive Rheophilic |

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| Row ID | Characteristic Name | Description |
|-------------------|--------------------------------|---|
| RHYACO_PIND | Pro of Vrt Abn Fam Rhyacotrit | Proportion of Vertebrate Abundance in the Family Rhyacotritonidae |
| RIVR_NAT_PIND | Pro of Indvs Ntv Large River | Proportion of Individuals that are Native Large River |
| RIVR_NAT_PTAX | Pro of All Sp Ntv Large River | Proportion of All Species that are Native Large River |
| RIVR_NAT_RICH | Native Large River Species Ric | Native Large River Species Richness |
| RIVR_NT_NAT_PIND | Pro of Indvs Ntv Nont Large R | Proportion of Individuals that are Native Nontolerant Large River |
| RIVR_NT_NAT_PTAX | Pro of All Sp Ntv Nont Large | Proportion of All Species that are Native Nontolerant Large River |
| RIVR_SEN_NAT_PIND | Pro of Indvs Ntv Sens Large R | Proportion of Individuals that are Native Sensitive Large River |
| RIVR_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Large | Proportion of All Species that are Native Sensitive Large River |
| SALAM_PIND | Pro of Vrt Abn Fam Salamandri | Proportion of Vertebrate Abundance in the Family Salamandridae |
| SALMON_ALIEN_PIND | Pro of Vrt Abn Alien Salmonid | Proportion of Vertebrate Abundance that are Alien Salmonidae |
| SALMON_PIND | Pro of Vrt Abn Fam Salmonidae | Proportion of Vertebrate Abundance in the Family Salmonidae |
| SAMPLED_VERTS | New Completeness of Vrt Sample | New Completeness of Vertebrate Sample |
| SCIAEN_PIND | Pro of Vrt Abn Fam Sciaenidae | Proportion of Vertebrate Abundance in the Family Sciaenidae |
| SENS_NAT_PIND | Pro of Indvs Ntv Sens | Proportion of Individuals that are Native Sensitive |
| SENS_NAT_PTAX | Pro of All Sp Ntv Sens | Proportion of All Species that are Native Sensitive |
| SENS_NAT_RICH | Ntv Sens Sp Richness | Native Sensitive Species Richness |
| SPAWN_GEN_NIND | Abn of Generalist Spawner Indv | Abundance of Generalist Spawner Individuals |
| SPAWN_GEN_PIND | Pro of Indvs Generalist Spawn | Proportion of Individuals that are Generalist Spawners |
| SPAWN_GEN_PTAX | Pro of All Sp Generalist Spaw | Proportion of All Species that are Generalist Spawners |
| SPAWN_GEN_RICH | Generalist Spawner Sp Richness | Generalist Spawner Species Richness |
| SPAWN_SEN_NIND | Abn of Sens Spawning Indvs | Abundance of Sensitive Spawning Individuals |

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| Row ID | Characteristic Name | Description |
|------------------------|--------------------------------|---|
| D | | |
| SPAWN_SEN_PIN D | Pro of Indvs Sens Spawners | Proportion of Individuals that are Sensitive Spawners |
| SPAWN_SEN_PTA X | Pro of All Sp Sens Spawners | Proportion of All Species that are Sensitive Spawners |
| SPAWN_SEN_RIC H | Sens Spawner Sp Richness | Sensitive Spawner Species Richness |
| SUP_TOL_PIND | Pro of Indvs Super Tolerant | Proportion of Individuals that are Super Tolerant |
| SUP_TOL_PTAX | Pro of All Sp Super Tolerant | Proportion of All Species that are Super Tolerant |
| SUP_TOL_RICH | Super Tolerant Species Richnes | Super Tolerant Species Richness |
| TERR_NAT_PIND | Pro of Indvs Ntv Terrestrial | Proportion of Individuals that are Native Terrestrial |
| TERR_NAT_PTAX | Pro of All Sp Ntv Terrestrial | Proportion of All Species that are Native Terrestrial |
| TESTUD_PIND | Pro of Vrt Abn Order Testudin | Proportion of Vertebrate Abundance in the Order Testudine |
| TE_PIND | Pro of Indvs Threatened & End | Proportion of Individuals that are Threatened & Endangered |
| TE_PTAX | Pro of All Sp Threatened & En | Proportion of All Species that are Threatened & Endangered |
| TE_RICH | Threatened & Endangered Sp Ric | Threatened & Endangered Species Richness |
| TOL_PIND | Pro of Indvs Tolerant | Proportion of Individuals that are Tolerant |
| TOL_PTAX | Pro of All Sp Tolerant | Proportion of All Species that are Tolerant |
| TOL_RICH | Tolerant Species Richness | Tolerant Species Richness |
| UMBRID_PIND | Pro of Vrt Abn Fam Umbridae | Proportion of Vertebrate Abundance in the Family Umbridae |
| VAGIL_NAT_PIND | Pro of Indvs Ntv Migrating | Proportion of Individuals that are Native Migrating |
| VAGIL_NAT_PTAX | Pro of All Sp Ntv Migrating | Proportion of All Species that are Native Migrating |
| VAGIL_NAT_RICH | Ntv Migrating Sp Richness | Native Migrating Species Richness |
| VAGIL_NT_NAT_PI ND | Pro of Indvs Ntv Nont Migrati | Proportion of Individuals that are Native Nontolerant Migrating |
| VAGIL_NT_NAT_P TAX | Pro of All Sp Ntv Nont Migrat | Proportion of All Species that are Native Nontolerant Migrating |
| VAGIL_SEN_NAT_ PIND | Pro of Indvs Ntv Sens Migrati | Proportion of Individuals that are Native Sensitive Migrating |

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| Row ID | Characteristic Name | Description |
|--------------------|--------------------------------|--|
| VAGIL_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Mirgra | Proportion of All Species that are Native Sensitive Migrating |
| VERT_NAT_RICH | Ntv Vrt Sp Richness | Native Vertebrate Species Richness |
| VERT_NIND | Abundance of all Vertebrates | Abundance of all Vertebrates |
| VERT_RICH | Vertebrate Species Richness | Vertebrate Species Richness |
| VERT_SAMP2 | Comment on Completeness of Vrt | Comment on Completeness of Vertebrate Sample |
| VIPER_PIND | Pro of Vrt Abn Fam Viperidae | Proportion of Vertebrate Abundance in the Family Viperidae |
| WCOL_NAT_PIND | Pro of Indvs Ntv Water Column | Proportion of Individuals that are Native Water Column |
| WCOL_NAT_PTAX | Pro of All Sp Ntv Water Colum | Proportion of All Species that are Native Water Column |
| WCOL_NAT_RICH | Ntv Water Column Sp Richness | Native Water Column Species Richness |
| WCOL_NT_NAT_PIND | Pro of Indvs Ntv Nont Water C | Proportion of Individuals that are Native Nontolerant Water Column |
| WCOL_NT_NAT_PTAX | Pro of All Sp Ntv Nont Water | Proportion of All Species that are Native Nontolerant Water Column |
| WCOL_SEN_NAT_PIND | Pro of Indvs Ntv Sens Water C | Proportion of Individuals that are Native Sensitive Water Column |
| WCOL_SEN_NAT_PTAX | Pro of All Sp Ntv Sens Water | Proportion of All Species that are Native Sensitive Water Column |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WSACHEM | Chemistry Parameters | Sample | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CA | Calcium | ueq/L | Dissolved | Actual | | | | | 215.1 | |
| CL | Chloride | ueq/L | Dissolved | Actual | | | | | | |
| COLOR | Color, True | PCU | | Actual | | | | | 11250 | |
| COND | Specific conductance | uS/cm | | Actual | | | | | | |
| DIC | Carbon, inorganic | mg/l | Dissolved | Actual | | | | | 415.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | | | | 415.2 | |
| K | Potassium | ueq/L | Dissolved | Actual | | | | | 258.1 | |
| MG | Magnesium | ueq/L | Dissolved | Actual | | | | | 242.1 | |
| NA | Sodium | ueq/L | Dissolved | Actual | | | | | 273.1 | |
| NH4 | Nitrogen, ammonia as N | ueq/L | Dissolved | Actual | | | | | 350.1 | |
| NO3 | Nitrogen, Nitrate (NO3) as N | ueq/L | Dissolved | Actual | | | | | 300(A) | |
| PH | pH | None | | Actual | | | | | | |
| SE | Selenium | ug/l | Dissolved | Actual | | | | | 270.2 | |
| SIO2 | Silica | ug/l | Dissolved | Actual | | | | | | |
| SO4 | Sulfur, sulfate (SO4) as S | ueq/L | Dissolved | Actual | | | | | 300(A) | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| TURB | Turbidity | NTU | | Actual | | | | | 180.1 | |
| ZN | Zinc | ug/l | Dissolved | Actual | | | | | 289.1 | |
| | Phosphorus as P | | | | | | | | | |
| | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| WSAHAB_G | Glide/Pool Rpd Habitat Assessm | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BANKSTBL | RBP2, Low G, Bank Stability, Left Bank | | | | | | | | | |
| BANKSTBR | RBP2, Low G, Bank Stability, Right Bank | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHANALT | RBP2, Low G, Channel Alteration | | | | | | | | | |
| CHANFLS | RBP2, Low G, Channel Flow Status | | | | | | | | | |
| CHANSIN | RBP2, Low G, Channel Sinuosity | | | | | | | | | |
| EMBEDDED | RBP2, High G, Embeddedness | | | | | | | | | |
| EPIF-SUB | RBP2, Low G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| FREQ_RIFF | RBP2, High G, Frequency of Riffles (or bends) | | | | | | | | | |
| POOLSUB | RBP2, Low G, Pool Substrate Characterization | | | | | | | | | |
| POOLVAR | RBP2, Low G, Pool Variability | | | | | | | | | |
| RHSUM | RBP2, Low G, Habitat Assessment Total Score | None | | Calculated | | | | | | |
| RIPAVL | RBP2, Low G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| RIPAVR | RBP2, Low G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| SEDIDEP | RBP2, Low G, Sediment Deposition | | | | | | | | | |
| VEG_PROL | RBP2, Low G, Vegetative Protection, Left Bank | | | | | | | | | |
| VEG_PROR | RBP2, Low G, Vegetative Protection, Right Bank | | | | | | | | | |
| VELOCITY | RBP2, High G, Velocity/Depth Regime | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| WSAHAB_R | Riffle/Run Rap. Hab. Assessmnt | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BANKSTBL | RBP2, High G, Bank Stability, Left Bank | | | | | | | | | |
| BANKSTBR | RBP2, High G, Bank Stability, Right Bank | | | | | | | | | |
| CHANALT | RBP2, High G, Channel Alteration | | | | | | | | | |
| CHANFLS | RBP2, High G, Channel Flow Status | | | | | | | | | |
| EMBEDDED | RBP2, High G, Embeddedness | | | | | | | | | |
| EPIF-SUB | RBP2, High G, Epifaunal Substrate/Available Cover | | | | | | | | | |
| FREQ_RIFF | RBP2, High G, Frequency of Riffles (or bends) | | | | | | | | | |
| RHSUM | RBP2, Low G, Habitat Assessment Total Score | None | | Calculated | | | | | | |
| RIPAVL | RBP2, High G, Riparian Vegetative Zone Width, Left Bank | | | | | | | | | |
| RIPAVR | RBP2, High G, Riparian Vegetative Zone Width, Right Bank | | | | | | | | | |
| SEDIDEP | RBP2, High G, Sediment Deposition | | | | | | | | | |
| VEG_PROL | RBP2, High G, Vegetative Protection, Left Bank | | | | | | | | | |
| VEG_PROR | RBP2, High G, Vegetative Protection, Right Bank | | | | | | | | | |
| VELOCITY | RBP2, High G, Velocity/Depth Regime | | | | | | | | | |

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EPA National Aquatic Resource Survey Data

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | | | Habitat | |
|----------|-----------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| WSAINSTU | In-Situ Measurements | Field Msr/Obs | Water | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| QCCSCOND | Specific conductance | uS/cm | | Actual | | | | | | |
| STRMCOND | Specific conductance | uS/cm | | Actual | | | | | | |
| STRMTEMP | Temperature, water | deg C | | Actual | | | | | | |
| STRM_DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |

Characteristic Group Details

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NKUWATER

Northern Kentucky University

| | | | | | | | |
|-----------------|-----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FALL-00 | LOW FLOW RESULTS 2000 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Magnesium | mg/l | Total | Actual | | | | | | |
| | Sodium | mg/l | Total | Actual | | | | | | |
| | Chloride | mg/l | Total | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as S | mg/l | Total | Actual | | | | | | |
| | Aluminum | mg/l | Total | Actual | | | | | | |
| | Barium | mg/l | Total | Actual | | | | | | |
| | Boron | mg/l | Total | Actual | | | | | | |
| | Iron | mg/l | Total | Actual | | | | | | |
| | Manganese | mg/l | Total | Actual | | | | | | |
| | Nickel | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| | Precipitation | in | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | ppm | | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | ppm | | Actual | | | | | | |
| | Zinc | mg/l | | Actual | | | | | | |
| | Calcium | mg/l | | Actual | | | | | | |
| | Hardness, carbonate | mg/l | | Actual | | | | | | |
| | Sulfur | mg/l | | Actual | | | | | | |
| | Potassium | mg/l | | Actual | | | | | | |
| | Alkalinity, Total (total | mg/l | | Actual | | | | | | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | hydroxide+carbonate+bicarbonat e) | | | | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | | Actual | | | | | | |
| | Nitrogen, ammonia as N | mg/l | | Actual | | | | | | |
| | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | | |
| | Phosphorus, hydrolyzable as P | mg/l | | Actual | | | | | | |
| | Cobalt | mg/l | | Actual | | | | | | |
| | Gold | mg/l | | Actual | | | | | | |
| | Lithium | mg/l | | Actual | | | | | | |
| | Phosphorus | mg/l | | Actual | | | | | | |
| | Silicon as Si | mg/l | | Actual | | | | | | |
| | Strontium | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FALL-01 | Low-Flow Results Fall 2001 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Precipitation | | | Actual | | | | | | |
| | Dissolved oxygen (DO) | | | Actual | | | | | | |
| | pH | | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonat e) | | | Actual | | | | | | |
| | Ammonia, unionized | | | Actual | | | | | | |

Characteristic Group Details

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NKUWATER

Northern Kentucky University

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Hardness, carbonate | | | Actual | | | | | | |
| | Specific conductance | | | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | | | Actual | | | | | | |
| | Chloride | | | Actual | | | | | | |
| | Phosphorus | | | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as N | | | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FALL-03 | Low Flow Results Sept. 2003 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Phosphorus | mg/l | Total | Actual | | | | | | |
| | Nitrogen, mixed forms (NH3)+(NH4)+organic+(NO2)+(NO3) | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Aluminum | mg/l | Total | Actual | | | | | | |
| | Antimony | mg/l | Total | Actual | | | | | | |
| | Arsenic | mg/l | Total | Actual | | | | | | |
| | Barium | mg/l | Total | Actual | | | | | | |
| | Beryllium | mg/l | Total | Actual | | | | | | |
| | Boron | mg/l | Total | Actual | | | | | | |
| | Cadmium | mg/l | Total | Actual | | | | | | |
| | Calcium | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chromium | mg/l | Total | Actual | | | | | | |
| | Cobalt | mg/l | Total | Actual | | | | | | |
| | Copper | mg/l | Total | Actual | | | | | | |
| | Gold | mg/l | Total | Actual | | | | | | |
| | Iron | mg/l | Total | Actual | | | | | | |
| | Lead | mg/l | Total | Actual | | | | | | |
| | Lithium | mg/l | Total | Actual | | | | | | |
| | Magnesium | mg/l | Total | Actual | | | | | | |
| | Manganese | mg/l | Total | Actual | | | | | | |
| | Nickel | mg/l | Total | Actual | | | | | | |
| | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| | Potassium | mg/l | Total | Actual | | | | | | |
| | Selenium | mg/l | Total | Actual | | | | | | |
| | Silicon as Si | mg/l | Total | Actual | | | | | | |
| | Silver | mg/l | Total | Actual | | | | | | |
| | Sodium | mg/l | Total | Actual | | | | | | |
| | Strontium | mg/l | Total | Actual | | | | | | |
| | Sulfur | mg/l | Total | Actual | | | | | | |
| | Thallium | mg/l | Total | Actual | | | | | | |
| | Tin | mg/l | Total | Actual | | | | | | |
| | Vanadium | mg/l | Total | Actual | | | | | | |
| | Zinc | mg/l | Total | Actual | | | | | | |
| | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | | |
| | Chloride | mg/l | Total | Actual | | | | | | |
| | Precipitation | in | | Actual | | | | | | |
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |
| | Estradiol | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Temperature, water | deg F | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Hardness, carbonate | mg/l | | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FALL-98 | Low Flow Results-Oct. 1998 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Arsenic | mg/l | Total | Actual | | | | | | |
| | Barium | mg/l | Total | Actual | | | | | | |
| | Beryllium | mg/l | Total | Actual | | | | | | |
| | Cadmium | mg/l | Total | Actual | | | | | | |
| | Chromium | mg/l | Total | Actual | | | | | | |
| | Cobalt | mg/l | Total | Actual | | | | | | |
| | Copper | mg/l | Total | Actual | | | | | | |
| | Iron | mg/l | Total | Actual | | | | | | |
| | Lead | mg/l | Total | Actual | | | | | | |
| | Magnesium | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Mercury | mg/l | Total | Actual | | | | | | |
| | Manganese | mg/l | Total | Actual | | | | | | |
| | Molybdenum | mg/l | Total | Actual | | | | | | |
| | Nickel | mg/l | Total | Actual | | | | | | |
| | Potassium | mg/l | Total | Actual | | | | | | |
| | Selenium | mg/l | Total | Actual | | | | | | |
| | Sodium | mg/l | Total | Actual | | | | | | |
| | Strontium | mg/l | Total | Actual | | | | | | |
| | Tin | mg/l | Total | Actual | | | | | | |
| | Vanadium | mg/l | Total | Actual | | | | | | |
| | Zinc | mg/l | Total | Actual | | | | | | |
| | Antimony | mg/l | Total | Actual | | | | | | |
| | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| | Chloride | mg/l | Total | Actual | | | | | | |
| | Fluorides | mg/l | Total | Actual | | | | | | |
| | Carbon, organic | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Phosphorus | mg/l | Total | Actual | | | | | | |
| | Aluminum | mg/l | Total | Actual | | | | | | |
| | Calcium | mg/l | | Actual | | | | | | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Bromide | mg/l | | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| | Nitrogen, Nitrite (NO2) as NO2 | mg/l | | Actual | | | | | | |
| | Phosphorus, orthophosphate as | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | P | | | | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Nitrogen, ammonia (NH3) as NH3 | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| FALL-99 | LOW FLOW RESULTS- SEP-1999 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| | Chloride | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |
| | Phosphorus | mg/l | Total | Actual | | | | | | |
| | | | Recovrble | | | | | | | |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | | Actual | | | | | | |
| | Nitrogen, ammonia as N | mg/l | | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | mg/l | | Actual | | | | | | |
| | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | | |
| | Phosphorus, orthophosphate as PO4 | mg/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Phosphorus, orthophosphate as P | mg/l | | Actual | | | | | | |
| | Carbon, Total Organic (Toc) | mg/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FEC-02 | FECAL_2002 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Precipitation | | | Actual | | | | | | |
| | Dissolved oxygen (DO) | | | Actual | | | | | | |
| | pH | | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Fecal Coliform | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FEC-03 | FECAL_2003 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Precipitation | in | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FEC-03B | Fecal 2003 cfu only | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FEC-8/01 | Fecal/E.coli-Aug-01 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Precipitation | in | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Escherichia | cfu/100ml | | Actual | | | | | | |
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FECAL-00 | FECAL 2000 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Coliform/Strep Ratio, Fecal | None | | Actual | | | | | | |
| | Fecal Streptococcus Group Bacteria | cfu/100ml | | Actual | | | | | | |
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| FECAL-01 | FECAL-01-Jul | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | | | Actual | | | | | | |
| | Coliform/Strep Ratio, Fecal | | | Actual | | | | | | |
| | Fecal Streptococcus Group Bacteria | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| FECAL-98 | FECAL RESULTS JUL. 1998 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |
| | Precipitation | in | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| FECAL-99 | Fecal Results- Jul. 1999 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |
| | Coliform/Strep Ratio, Fecal | None | | Actual | | | | | | |
| | Fecal Streptococcus Group Bacteria | cfu/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PEST- 98 | Pesticide Results- May 1998 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 2,4-D, Dichlorophenoxyacetic acid | ug/l | | Actual | | | | | | |
| | Alachlor | ug/l | | Actual | | | | | | |
| | Chlorpyrifos-methyl | ug/l | | Actual | | | | | | |
| | Metolachlor | ug/l | | Actual | | | | | | |
| | Atrazine | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| PEST-00 | PEST RESULTS 2000 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Metolachlor | ug/l | | Actual | | | | | | |
| | Atrazine | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| PEST-01 | PESTICIDE 2001 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Flow | | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 0.00000 | | | | | | | | |
| | Dissolved oxygen (DO) | | | Actual | | | | | | |
| | pH | | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Atrazine | ug/l | | Actual | | | | | | |
| | Metolachlor | | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| PEST-99 | PESTICIDE RESULTS- MAY 1999 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 2,4-D, Dichlorophenoxyacetic acid | ug/l | | Actual | | | | | | |
| | Chlorpyrifos-methyl | ug/l | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Atrazine | ug/l | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| SPR. 03 | Spring Results May 2003 | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Precipitation | in | | Actual | | | | | | |
| | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | pH | None | | Actual | | | | | | |
| | Temperature, water | | | Actual | | | | | | |
| | Specific conductance | umho/cm | | Actual | | | | | | |
| | Fecal Coliform | cfu/100ml | | Actual | | | | | | |

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OKCONCOM

Oklahoma Conservation Commission

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BAC1 | Bacteria-One | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | cfu/100ml | | Actual | | | | | 9222-D | |
| | Escherichia coli | | | Actual | | | | | | |
| | Enterococcus Group Bacteria | | | Actual | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| ROWEN1 | Rowen-Geoff | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chloride | | | Actual | | | | | | |
| | Sulfur, sulfate (SO4) as SO4 | | | Actual | | | | | | |
| | Acidity as CaCO3 | | | Actual | | | | | | |
| | Aluminum | | | Actual | | | | | | |
| | Calcium | | | Actual | | | | | | |
| | Iron | | | Actual | | | | | | |
| | Magnesium | | | Actual | | | | | | |
| | Manganese | | | Actual | | | | | | |
| | Nickel | | | Actual | | | | | | |
| | Zinc | | | Actual | | | | | | |

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OKCORCOM Oklahoma Corporation Commission

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|--------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHRGRP | Char tested by OKCORPCOM | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AS | Arsenic | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 999,999.00000 mg/l | | | | | | | | |
| B | Benzene | ug/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 999,999.00000 ug/l | | | | | | | | |
| BA | Barium | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 999,999.00000 mg/l | | | | | | | | |
| BORON | Boron | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 999,999.00000 mg/l | | | | | | | | |
| BR | Bromine | ppm | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 99,999.00000 ppm | | | | | | | | |
| CA | Calcium | ppm | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 999,999.00000 ppm | | | | | | | | |
| CL | Chlorine | ppm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ppm | | | | | | | | |
| CR | Chromium | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 mg/l | | | | | | | | |
| DRO | Diesel range organics | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| E | Ethylbenzene | ug/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| EC | Specific conductance | mho/cm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 mho/cm | | | | | | | | |
| FIELD_TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| GSO | Gasoline range organics | ug/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| HCO3 | Bicarbonate | ppm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 999,999.00000 ppm | | | | | | | | |

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OKCORCOM

Oklahoma Corporation Commission

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|---|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| K | Potassium | ppm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ppm | | | | | | | | |
| MG | Magnesium | ppm | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ppm | | | | | | | | |
| NA | Sodium | ppm | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ppm | | | | | | | | |
| NAPHTHALENE | Naphthalene | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| NITRATE-N | Nitrogen, Nitrate (NO3) as N | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| PB | Lead | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| PH | pH | None | | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 None | | | | | | | | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | ppm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ppm | | | | | | | | |
| T | Toluene | ug/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |
| TOTLSOL | Solids, Total | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| TPH | Hydrocarbons, Petroleum (Unspecified Mix) | mg/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 mg/l | | | | | | | | |
| TURBIDITY | Turbidity | NTU | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 NTU | | | | | | | | |
| X | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | CC-001 | |
| | Acceptable Range | 0.00000 - 9,999,999.00000 ug/l | | | | | | | | |

Characteristic Group Details

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OKDAFF

Oklahoma Dept. of Agriculture, Food and Forestry

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---------------------------------|--------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHRGRP | Characteristic tested by ODAFF | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FECAL_COLIFOR M | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222D | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 cfu/100ml | | | | | | | | |
| FIELD_PH | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 None | | | | | | | | |
| FLD_CONDUCTIVITY | Specific conductance | umho/cm | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 umho/cm | | | | | | | | |
| LAB_CONDUCTIVITY | Specific conductance | umho/cm | Total | Actual | | | | | 120.1 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 umho/cm | | | | | | | | |
| LAB_PH | pH | None | Total | Actual | | | | | 150.1 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 None | | | | | | | | |
| NH4 | Nitrogen, ammonium (NH4) as NH4 | ppm | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 ppm | | | | | | | | |
| NO3 | Nitrogen, Nitrate (NO3) as NO3 | ppm | Total | Actual | | | | | 9056 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 ppm | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 mg/l | | | | | | | | |

Characteristic Group Details

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OKDEQ

Oklahoma Dept. of Environmental Quality

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------------|--|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BIOCHR | BioChar tested by DEQ | Sample | Biological | Tissue | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| BIO-ALDRIN | Aldrin | mg/kg | | Actual | | | | | | |
| BIO-BHC | BHC-alpha | mg/kg | Total | Actual | | | | | | |
| BIO-CAD | Cadmium | mg/kg | Total | Actual | | | | | | |
| BIO-CHLORDANE | Chlordane | mg/kg | Total | Actual | | | | | | |
| BIO-DDT | DDT ***retired*** (use DDT, p,p'-) | mg/kg | | Actual | | | | | | |
| BIO-DIELDRIN | Dieldrin | mg/kg | | Actual | | | | | | |
| BIO-ENDRIN | Endrin | ug/kg | | Actual | | | | | | |
| BIO-HEPTACHLOR | Heptachlor | ug/kg | | Actual | | | | | | |
| BIO-LEAD | Lead | mg/kg | Total | Actual | | | | | | |
| BIO-LENGTH | Length | in | | Actual | Mean | | | | | |
| BIO-MERCURY | Mercury | mg/kg | Total | Actual | | | | | | |
| BIO-PCBS | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | | |
| BIO-TOXAPHENE | Toxaphene | ug/kg | | Actual | | | | | | |
| BIO-WEIGHT | Weight | lb | | Actual | Mean | | | | | |
| BIO-ZINC | Zinc | ug/g | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHRGRP | Characteristic tested by DEQ | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 2,4-D | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | | |

Characteristic Group Details

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OKDEQ

Oklahoma Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALDRIN | Aldrin | ug/l | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 99,999,999.00000 ug/l | | | | | | | | |
| ALKALINITY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | | |
| ALUMINUM | Aluminum | ug/l | Total | Actual | | | | | | |
| ARSENIC | Arsenic | ug/l | Total | Actual | | | | | | |
| BARIUM | Barium | ug/l | Total | Actual | | | | | | |
| CADMIUM | Cadmium | ug/l | Total | Actual | | | | | | |
| CADMIUM-DIS | Cadmium | ug/l | Dissolved | Actual | | | | | | |
| CALCIUM | Calcium | mg/l | Total | Actual | | | | | | |
| CHLORDANE | Chlordane | ug/l | Total | Actual | | | | | | |
| CHLORIDE | Chloride | mg/l | Total | Actual | | | | | | |
| CHROMIUM | Chromium | ug/l | Total | Actual | | | | | | |
| COPPER | Copper | ug/l | Total | Actual | | | | | | |
| DIELDRIN | Dieldrin | ug/l | | Actual | | | | | | |
| DURSBAN | Chloropyrifos | ug/l | | Actual | | | | | | |
| EC/MPN | Escherichia coli | #/100ml | | Actual | MPN | | | | | |
| ENDRIN | Endrin | ug/l | | Actual | | | | | | |
| ENT/MF | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| ENT/MPN | Enterococcus Group Bacteria | #/100ml | | Actual | MPN | | | | | |
| ETHYL PARATHION | Parathion | ug/l | | Actual | | | | | | |
| FC/MF | Fecal Coliform | #/100ml | | Actual | | | | | | |
| FLUORIDES | Fluorides | mg/l | Total | Actual | | | | | 300.1 A | |
| HARDNESS | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| HARDNESS CALCIUM | Hardness, Ca + Mg | mg/l | | Actual | | | | | | |

Characteristic Group Details

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OKDEQ

Oklahoma Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HEPTACHLOR | Heptachlor | ug/l | | Actual | | | | | | |
| HEXACHLOROBE NZENE | Hexachlorobenzene | ug/l | | Actual | | | | | | |
| IRON | Iron | ug/l | Total | Actual | | | | | | |
| LAB PH | pH | None | | Actual | | | | | | |
| LEAD | Lead | ug/l | Total | Actual | | | | | | |
| LEAD-DIS | Lead | ug/l | Dissolved | Actual | | | | | | |
| LINDANE | BHC-gamma (Lindane) | ug/l | | Actual | | | | | | |
| MAGNESIUM | Magnesium | mg/l | Total | Actual | | | | | | |
| MANGANESE | Manganese | ug/l | Total | Actual | | | | | | |
| MERCURY | Mercury | ug/l | Total | Actual | | | | | | |
| METHOXYCHLOR | Methoxychlor | ug/l | | Actual | | | | | | |
| METHYL PARATHION | Methyl parathion | ug/l | Total | Actual | | | | | | |
| N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | | Actual | | | | | | |
| NICKEL | Nickel | ug/l | Total | Actual | | | | | | |
| OXYGEN-DIS | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| P,P' DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | | |
| PARATHION | Parathion | ug/l | | Actual | | | | | | |
| PCBS | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/l | Total | Actual | | | | | | |
| PENTACHLOROP HENOL | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | | |
| PH | pH | None | Total | Actual | | | | | | |
| POTASSIUM | Potassium | mg/l | Total | Actual | | | | | | |
| SELENIUM | Selenium | ug/l | Total | Actual | | | | | | |
| SILVER | Silver | ug/l | Total | Actual | | | | | | |

Characteristic Group Details

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Oklahoma Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SILVEX 2,4,5 TP | 2,4,5-T + Silvex | ug/l | | Actual | | | | | | |
| SODIUM | Sodium | mg/l | Total | Actual | | | | | | |
| SOLID-DIS | Solids, Dissolved | mg/l | Total | Actual | | | | | | |
| SPECIFIC CONDUCTANCE | Specific conductance | umho/cm | | Actual | | | | | | |
| SULFATE | Sulfur, sulfate (SO4) as S | mg/l | Total | Actual | | | | | | |
| SUSPENDED SOLIDS | Solids, Fixed Suspended | mg/l | Total | Actual | | | | | | |
| TC/MPN | Total Coliform | #/100ml | | Actual | MPN | | | | | |
| THALLIUM | Thallium | ug/l | Total | Actual | | | | | | |
| TOXAPHENE | Toxaphene | ug/l | | Actual | | | | | | |
| WATER TEMP | Temperature, water | deg C | | Actual | | | | | | |
| ZINC | Zinc | ug/l | Total | Actual | | | | | | |
| ZINC-DIS | Zinc | ug/l | Dissolved | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|------------|-----------------|-------------|-------------------------------|---------|
| FISH | Fish Species test by DEQ | Sample | Biological | Taxon Abundance | Fish/Nekton | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 106 | Polyodon spathula | | count | Actual | | | | |
| 107 | Lepisosteus platostomus | | count | Actual | | | | |
| 12 | Cyprinus carpio | | count | Actual | | | | |
| 16 | Ictalurus punctatus | | count | Actual | | | | |
| 19 | Pylodictis olivaris | | count | Actual | | | | |
| 20 | Aplodinotus grunniens | | count | Actual | | | | |

Characteristic Group Details

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OKDEQ

Oklahoma Dept. of Environmental Quality

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 21 | Dorosoma cepedianum | | count | Actual | | | | |
| 3 | Ictiobus cyprinellus | | count | Actual | | | | |
| 31 | Micropterus salmoides | | count | Actual | | | | |
| 32 | Lepisosteus osseus | | count | Actual | | | | |
| 388 | Moxostoma carinatum | | count | Actual | | | | |
| 389 | Moxostoma duquesnei | | count | Actual | | | | |
| 390 | Moxostoma | | count | Actual | | | | |
| 4 | Ameiurus melas | | count | Actual | | | | |
| 40 | Lepomis microlophus | | count | Actual | | | | |
| 42 | Carpionodes carpio | | count | Actual | | | | |
| 47 | Micropterus dolomieu | | count | Actual | | | | |
| 48 | Ictiobus bubalus | | count | Actual | | | | |
| 49 | Micropterus punctulatus | | count | Actual | | | | |
| 5 | Pomoxis nigromaculatus | | count | Actual | | | | |
| 50 | Lepisosteus oculatus | | count | Actual | | | | |
| 51 | Minytrema melanops | | count | Actual | | | | |
| 52 | Morone saxatilis X Morone chrysops | | count | Actual | | | | |
| 54 | Stizostedion vitreum | | count | Actual | | | | |
| 55 | Stizostedion vitreum | | count | Actual | | | | |
| 57 | Morone chrysops | | count | Actual | | | | |
| 59 | Pomoxis annularis | | count | Actual | | | | |
| 62 | Ameiurus natalis | | count | Actual | | | | |
| 67 | Ictalurus furcatus | | count | Actual | | | | |
| 8 | Lepomis macrochirus | | count | Actual | | | | |

Characteristic Group Details

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OKDEQ

Oklahoma Dept. of Environmental Quality

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FLDCHR | Field/Obs Char tested by DEQ | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| OXYGEN | Oxygen, (O2) | mg/l | Dissolved | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | | |
| SPECIFIC CONDUCTANCE | Specific conductance | umho/cm | | Actual | | | | | | |
| WATER TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| SEDCHR | Sediments Char tested by DEQ | Sample | Sediment | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------------|-----------------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SED-2,4-D | 2,4-D, Dichlorophenoxyacetic acid | ug/g | Total | Actual | | | | | | |
| SED-ALDRIN | Aldrin | ug/kg | | Actual | | | | | | |
| SED-ARSENIC | Arsenic | mg/kg | Total | Actual | | | | | | |
| SED-CADMIUM | Cadmium | mg/kg | Total | Actual | | | | | | |
| SED-DIELDRIN | Dieldrin | ug/kg | | Actual | | | | | | |
| SED-DURSBAN | Chloropyrifos | ug/g | | Actual | | | | | | |
| SED-ENDRIN | Endrin | ug/kg | | Actual | | | | | | |
| SED-ETHYLPARATHION | Parathion | mg/kg | | Actual | | | | | | |
| SED-HEPTACHLOR | Heptachlor | ug/kg | | Actual | | | | | | |
| SED-HEXACHLOROBENZENE | Hexachlorobenzene | ug/kg | | Actual | | | | | | |

Characteristic Group Details

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OKDEQ

Oklahoma Dept. of Environmental Quality

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SED-LEAD | Lead | mg/kg | Total | Actual | | | | | | |
| SED-LINDANE | BHC-gamma (Lindane) | ug/kg | | Actual | | | | | | |
| SED-MALATHION | Malathion | ug/kg | | Actual | | | | | | |
| SED-METHOXYCHLOR | Methoxychlor | ug/kg | | Actual | | | | | | |
| SED-METHYLPARATHION | Methyl parathion | mg/kg | Total | Actual | | | | | | |
| SED-P,P'DDT | DDT ***retired*** (use DDT, p,p') | ug/kg | Total | Actual | | | | | | |
| SED-PCBS | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) | ug/kg | Total | Actual | | | | | | |
| SED-PENTACHLOROPHENOL | Pentachlorophenol (PCP) | ug/g | Total | Actual | | | | | | |
| SED-SILVEX | Silvex | ug/kg | | Actual | | | | | | |
| SED-TOXAPHENE | Toxaphene | ug/kg | | Actual | | | | | | |
| SED-ZINC | Zinc | mg/kg | | Actual | | | | | | |

Characteristic Group Details

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PATCMON

Potomac Appalachian Trail Club Volunteer Monitoring - VA,MD

| | | | | | | | |
|-----------------|---------------------------|-----------------------|---------------|-----------------|----------------------------|-------------------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BENTH01 | Common Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description Family names of benthic macroinvertebrates common to the Piedmont regions of Virginia and Maryland.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------------------------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| ALDERFLIES | Sialidae | | count | Actual | | 4 | PRD | |
| AMELETID MINNOW MAYF | Ameletidae | | count | Actual | | 3 | COL | |
| AQUATIC SNIPE FLY | Athericidae | | count | Actual | | 2 | PRD | |
| BLACK TRUE FLY | Simuliidae | | count | Actual | | 6 | FILT | |
| BRUSHLEGGED MAYFLIES | Isonychiidae | | count | Actual | | 2 | COL | |
| CLUBTAIL DRAGONFLIES | Gomphidae | | count | Actual | | 2 | PRD | |
| COMM BURROWER MAYFLY | Ephemeraidae | | count | Actual | | 2 | COL | |
| COMMON STNFLY | Perlidae | | count | Actual | | 2 | PRD | |
| CRANE TRUE FLY | Tipulidae | | count | Actual | | 4 | SHR | |
| CRAYFISH DECAPOD | Cambaridae | | count | Actual | | 6 | COL | |
| DIXID MIDGE TRUE FLY | Dixidae | | count | Actual | | 2 | FILT | |
| DOBSON / FISH FLY | Corydalidae | | count | Actual | | 4 | PRD | |
| FINGERNET CADDIS | Philopotamidae | | count | Actual | | 2 | FILT | |
| FLATHEAD MAYFLY | Heptageniidae | | count | Actual | | 3 | SCR | |

Characteristic Group Details

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PATCMON

Potomac Appalachian Trail Club Volunteer Monitoring - VA,MD

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------------------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| FREE LIVING CADDIS | Rhyacophilidae | | count | Actual | | 1 | PRD | |
| GIANT STNFLY | Pteronarcyidae | | count | Actual | | 2 | SHR | |
| GREEN STONEFLIES | Chloroperlidae | | count | Actual | | 0 | PRD | |
| HUMPLESS CASE MAKER | Brachycentridae | | count | Actual | | 1 | FILT | |
| LITTLE STOUT CRAWLER | Leptohyphidae | | count | Actual | | 6 | COL | |
| LONG-TOED WATER BEET | Dryopidae | | count | Actual | | 5 | SCR | |
| MICRO CADDIS | Hydroptilidae | | count | Actual | | 4 | SCR | |
| MIDGE TRUE FLY | Chironomidae | | count | Actual | | 7 | COL | |
| NEMOURID BROADBACK S | Nemouridae | | count | Actual | | 4 | SHR | |
| NET TUBE CADDIS | Psychomyiidae | | count | Actual | | 2 | COL | |
| NETSPINNER CADDIS | Hydropsychidae | | count | Actual | | 5 | FILT | |
| NORTHERN CSMK CADDIS | Limnephilidae | | count | Actual | | 3 | SHR | |
| PERLODID STNFLY | Perlodidae | | count | Actual | | 2 | PRD | |
| PRIMITIVE MINNOW MAY | Siphonuridae | | count | Actual | | 7 | COL | |
| PRONG GILL MAYFLY | Leptophlebiidae | | count | Actual | | 4 | COL | |
| ROACHLIKE STNFLY | Peltoperlidae | | count | Actual | | 2 | SHR | |

Characteristic Group Details

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PATCMON

Potomac Appalachian Trail Club Volunteer Monitoring - VA,MD

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------------------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| ROLLEDWING STNFLY | Leuctridae | | count | Actual | | 0 | SHR | |
| SADDLECASE MAKER | Glossosomatidae | | count | Actual | | 2 | SCR | |
| SALAMANDERS | Caudata | | count | Actual | | | | |
| SCULPINS(FISH) | Cottidae | | count | Actual | | | | |
| SEGMENTED WORMS | Oligochaeta | | count | Actual | | 10 | COL | |
| SKIMMER DRAGONFLY | Libellulidae | | count | Actual | | 9 | PRD | |
| SMALL MINNOW MAYFLY | Baetidae | | count | Actual | | 5 | COL | |
| SMALL SQUAREGILL | Caenidae | | count | Actual | | 6 | COL | |
| SMALL WINTER STONEFL | Capniidae | | count | Actual | | 6 | SHR | |
| SPINY CRAWLER | EphemereIllidae | | count | Actual | | 2 | COL | |
| STRONGCASE MAKER | Odontoceridae | | count | Actual | | 0 | SCR | |
| WATER PENNY | Psephenidae | | count | Actual | | 4 | SCR | |
| WATER SCAVENGER | Hydrophilidae | | count | Actual | | 5 | PRD | |
| WINTER STONEFLIES | Taeniopterygidae | | count | Actual | | 2 | SHR | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD01 | Test Strip Measurements, Field | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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PATCMON

Potomac Appalachian Trail Club Volunteer Monitoring - VA,MD

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------|---|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR TEMP | Temperature, air | deg C | | Actual | | | | | | |
| EPT COUNT | General Observation (text) | | | | | | | | MATH_COUNT | |
| HARDNESS | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | FIELD01 | |
| HILSENHOFF FBI | Hilsenhoff Biotic Index | None | | Actual | | | | | MATH_COUNT | |
| NITRATE NO3 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | FIELD01 | |
| NITRITE NO2 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | FIELD01 | |
| PH | pH | None | | Actual | | | | | FIELD01 | |
| | Acceptable Range | 1.00000 - 13.00000 | None | | | | | | | |
| TOT ALKALINITY | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | FIELD01 | |
| WATER TEMP | Temperature, water | deg C | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---|--------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BASN-BIO | Watershed Restoration Microbio | Sample | Water | | | | N | | | |
| Description Biological monitoring includes: Rio La Plata and Rio Grande de Loiza | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CRYPTOSP | Cryptosporidium | #/100ml | Total | Actual | | | | | EPA 1623 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| FECAL-CO | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| GIARDA | Giardia | #/100ml | Total | Actual | | | | | EPA 1623 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| GIARDA-L | Giardia lamblia | #/100ml | Total | Actual | | | | | EPA 1623 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
|--|-----------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| BASN-FIE | Watershed Restoration field | Field Msr/Obs | Water | | | | N | | | | |
| Description Field monitoring includes: Rio Grande de Arecibo and Rio La Plata | | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | | |
| | Acceptable Range | 0.00001 - 100.00000 mg/l | | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | | | |
| | Acceptable Range | 0.00001 - 100.10000 None | | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | | |
| | Acceptable Range | 0.00001 - 100.00000 deg C | | | | | | | | | |
| | Solids, Settleable | | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASN-NUT | Watershed Restoration Nutrient | Sample | Water | | | | N |

Description Nutrients monitored for Rio Grande de Arecibo and Rio La Plata

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORO-A | Chlorophyll a (probe relative fluorescence) | mg/l | | Actual | | | | | PREQB SOP 034 | |
| | Acceptable Range | 0.00001 - 20.00000 mg/l | | | | | | | | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | PREQB SOP 025 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | PREQB SOP 024 | |
| | Acceptable Range | 0.05000 - 20.00000 mg/l | | | | | | | | |
| NITRITE | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | PREQB SOP 024 | |
| | Acceptable Range | 0.05000 - 30.00000 mg/l | | | | | | | | |
| ORTHOP | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | EPA 365.2 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | EPA 365.4 | |
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | PREQB SOP 028 | |
| | Acceptable Range | 10.00000 - 50.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | ng/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.20000 - 30.00000 ng/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | PREQB 028 | |
| | Acceptable Range | 4.00000 - 20.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASN-PES | Watershed Restoration pesticide | Sample | Water | | | | N |

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Description Pesticides monitoring on Rio Grande de Arecibo and Rio La Plata Basins

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2-4-DDT | DDT, 2,4'- ***retired*** (use o,p'- DDT) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT, p,p'- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 40.00000 ug/l | | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00110 - 10.00000 ug/l | | | | | | | | |
| CARBO | Carbofuran | ug/l | Total | Actual | | | | | | |
| CHLORDA | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10.00000 ug/l | | | | | | | | |
| D-BHC | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| DIAZINON | Diazinon | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 10.00000 ug/l | | | | | | | | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00040 - 10.00000 ug/l | | | | | | | | |
| END-SULF | Endosulfan Sulfate | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| ENDO | Endosulfan | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 10.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENDO-1 | Endosulfan, alpha- Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| ENDO-2 | Endosulfan, beta- Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| ENDRIN | Endrin Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | | |
| ENDRIN-A | Endrin Aldehyde Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| G-BHC-LI | BHC-gamma (Lindane) Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| GLYPHOS | Glyphosate (Roundup) | ug/l | Total | Actual | | | | | | |
| H-CHLOR | Heptachlor Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| H-CHOR-E | Heptachlor epoxide Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| MALATHIO | Malathion Acceptable Range | ug/l 0.01000 - 10.00000 ug/l | Total | Actual | | | | | | |
| OXA | Oxamyl | ug/l | Total | Actual | | | | | | |
| PCB-1016 | Pcb-aroclor 1016 Acceptable Range | ug/l 0.00010 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| PCB-1221 | Pcb-aroclor 1221 Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| PCB-1232 | Pcb-aroclor 1232 Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| PCB-1242 | Pcb-aroclor 1242 Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| PCB-1248 | Pcb-aroclor 1248 Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| PCB-1254 | Pcb-aroclor 1254 Acceptable Range | ug/l 0.00001 - 10.00000 ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB-1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| TOXAPH | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BEACH | Beach Monitoring and Notificat | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 10,000,000.00000 #/100ml | | | | | | | | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 10,000,000.00000 #/100ml | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 200.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| COAST-BI | Coastal microbiological monito | Sample | Water | | | | N |

Description Coastal microbiological (fecal coliforms and enterococcus) monitoring network

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 9,000,000.00000 #/100ml | | | | | | | | |

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|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| COAST-CO | Coastal monitoring conventiona | Sample | Water | | | | N |

Description Coastal monitoring network.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| O&G | Oil and Grease | mg/l | Total | Actual | | | | | PREQB SOP-035 | |
| TURB | Turbidity | NTU | | Actual | | | | | SM 2130B PREQB | |
| | Acceptable Range | 0.00000 - 20.00000 NTU | | | | | | | | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| COAST-FI | Coastal field monitoring n | Field Msr/Obs | Water | | | | N |

Description Coastal field monitoring network

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | PREQB SOP-033 | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| SAL | Salinity | % | Total | Actual | | | | | PREQB SOP-021.3 | |
| | Acceptable Range | 0.10000 - 1,000.00000 % | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | PREQB SOP 021.1 | |

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|-----------------|-----------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| COAST-ME | COASTAL WATER MONITORING NETWO | Sample | Water | | | | N |

Citations USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111
Description Metals analysis in coastal waters stations monitored annually.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 1.00000 - 10.00000 | ug/l | | | | | | | |
| B | Boron | ug/l | Total | Actual | | | | | SM 4500-B.B | |
| | Acceptable Range | 0.20000 - 20.00000 | ug/l | | | | | | | |
| BA | Barium | mg/l | Total | Actual | | | | | EPA 208.1 | |
| | Acceptable Range | 0.10000 - 20.00000 | mg/l | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| | Acceptable Range | 0.10000 - 20.00000 | ug/l | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 218.2 | |
| | Acceptable Range | 1.00000 - 20.00000 | ug/l | | | | | | | |
| CU | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| | Acceptable Range | 1.00000 - 20.00000 | ug/l | | | | | | | |
| HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.20000 - 20.00000 | ug/l | | | | | | | |
| MN | Manganese | mg/l | Total | Actual | | | | | EPA 243.1 | |
| | Acceptable Range | 0.01000 - 20.00000 | mg/l | | | | | | | |
| NI | Nickel | ug/l | Total | Actual | | | | | 249.2 | |
| | Acceptable Range | 1.00000 - 20.00000 | ug/l | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| | Acceptable Range | 1.00000 - 10.00000 | ug/l | | | | | | | |
| SE | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| | Acceptable Range | 2.00000 - 20.00000 | ug/l | | | | | | | |
| ZN | Zinc | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00500 - 10.00000 | mg/l | | | | | | | |

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|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| COAST-NU | Coast nutrient monitoring netw | Sample | Water | | | | N |

Description Coastal nutrients monitoring network.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | PREQB SOP 025 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| N+N-N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| FIELD-SW | Field measurements for surface | Field Msr/Obs | Water | | | | N |

Description field measurements for surface: lakes, rivers, coasts

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | PREQB SOP 021.4 | |
| | Acceptable Range | 0.01000 - 50.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 1.00000 - 12.00000 None | | | | | | | | |
| SECHI | Depth, Secchi Disk Depth | m | | Actual | | | | | SECHI-DISK | |
| | Acceptable Range | 0.01000 - 10.00000 m | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | PREQB SOP 021.1 | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-CHL | Lake chlorophyll monitoring | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOR A | Chlorophyll a (probe relative fluorescence) | mg/l | | Actual | | | | | PREQB SOP 034 | |
| | Acceptable Range | 0.00001 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-HDN | Measurements for hardness | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CACO3 | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 10.00000 - 500.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-MET | Lake Monitoring Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 218.2 | |
| CU | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NI | Nickel | ug/l | Total | Actual | | | | | 249.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| SE | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| | Acceptable Range | 2.00000 - 20.00000 ug/l | | | | | | | | |
| ZN | Zinc | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 80.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-NUT | Lake nutrients monitoring | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMONIA | Ammonia, unionized | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.05000 - 1.00000 mg/l | | | | | | | | |
| FOSFORO | Phosphorus | mg/l | Total | Actual | | | | | EPA 365.4 | |
| | Acceptable Range | 0.01000 - 1.00000 mg/l | | | | | | | | |
| NIT+NIT | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00050 - 1.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.02000 - 9.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-PES | Lakes pesticides monitoring | Sample | Water | | | | N |

Characteristic Group Details

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PR-BEACH

Puerto Rico Environmental Quality Board Beach

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT ***retired*** (use DDT, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 0.20000 ug/l | | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 20.00000 ug/l | | | | | | | | |
| CHLORD | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| D-BHC | BHC-delta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 20.00000 ug/l | | | | | | | | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| END-1 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| END-A | Endrin Aldehyde | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| ENDO-2 | Endosulfan, beta- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| ENDSULFA | Endosulfan Sulfate | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| G-BHC | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 20.00000 ug/l | | | | | | | | |
| H-CHLOR | Heptachlor | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| H-CLOR-E | Heptachlor epoxide | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| PCB1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| PCB1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TOXA | Toxaphene | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--|----------------|--------|--------|-----------|--------------|---------|
| MICRO | Microbiological/Coliform | Sample | Water | | | | N |
| | Description microbiological coliform monitory for lakes, rivers and coast | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP | |

Characteristic Group Details

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Puerto Rico Environmental Quality Board Beach

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 99,999,999.90000 #/100ml | | | | | | | | |
| F-ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | 022 | |
| F-STREPT | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| TOT-COL | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER | RIO GRANDE DE LOIZA BASIN | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00060 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00040 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00130 - 10.00000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00110 - 10.00000 ug/l | | | | | | | | |

Characteristic Group Details

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Puerto Rico Environmental Quality Board Beach

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORDA | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| D-BHC | BHC-delta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00040 - 10.00000 ug/l | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 200.00000 mg/l | | | | | | | | |
| END-2 | Endosulfan, beta- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00210 - 10.00000 ug/l | | | | | | | | |
| END-SULF | Endosulfan Sulfate | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00120 - 10.00000 ug/l | | | | | | | | |
| ENDO-1 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00330 - 10.00000 ug/l | | | | | | | | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00090 - 10.00000 ug/l | | | | | | | | |
| ENDRIN-A | Endrin Aldehyde | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00160 - 10.00000 ug/l | | | | | | | | |
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| G-BHC-LI | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00140 - 10.00000 ug/l | | | | | | | | |
| H-CHLOR | Heptachlor | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00160 - 10.00000 ug/l | | | | | | | | |
| H-CHOR-E | Heptachlor epoxide | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00150 - 10.00000 ug/l | | | | | | | | |
| NH3-N | Nitrogen, ammonium (NH4) as NH4 | mg/l | Total | Actual | | | | | | |

Characteristic Group Details

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Puerto Rico Environmental Quality Board Beach

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.05000 - 10.00000 mg/l | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| PCB-1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.06500 - 10.00000 ug/l | | | | | | | | |
| PCB-1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 0.00010 - 20.00000 None | | | | | | | | |
| PO4 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | EPA 365.2 | |
| | Acceptable Range | 0.00001 - 100.00000 mg/l | | | | | | | | |
| SS | Solids, Settleable | | | Actual | | | | | EPA 160.5 | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | PREQB SOP 028 | |
| | Acceptable Range | 0.10000 - 2,000.00000 mg/l | | | | | | | | |

Characteristic Group Details

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PR-BEACH

Puerto Rico Environmental Quality Board Beach

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.20000 - 10.00000 mg/l | | | | | | | | |
| TOXAPH | Toxaphene | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | PREQB 028 | |
| | Acceptable Range | 4.00000 - 200.00000 mg/l | | | | | | | | |

Characteristic Group Details

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PR-COAST

Puerto Rico Environmental Quality Board Coastal (Beach)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|---|--------------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COAST-BI | Coastal microbiological monito | Sample | Water | | | | N | | | |
| Description Coastal microbiological (fecal coliforms and enterococcus) monitoring network | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 9,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--|--------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COAST-CO | Coastal monitoring conventiona | Sample | Water | | | | N | | | |
| Description Coastal monitoring network. | | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| O&G | Oil and Grease | mg/l | Total | Actual | | | | | PREQB SOP-035 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| TURB | Turbidity | NTU | | Actual | | | | | SM 2130B PREQB | |
| | Acceptable Range | 0.00000 - 30.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|---|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| COAST-FI | Coastal field monitoring n | Field Msr/Obs | Water | | | | N |
| Description Coastal field monitoring network | | | | | | | |

Characteristic Group Details

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PR-COAST

Puerto Rico Environmental Quality Board Coastal (Beach)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| SAL | Salinity | % | Total | Actual | | | | | PREQB SOP-021.3 | |
| | Acceptable Range | 0.10000 - 1,000.00000 % | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| COAST-ME | Coastal Waters Monitoring Netw | Sample | Water | | | | N |
| | Citations | USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111 | | | | | |
| | Description | Metals analysis in coastal waters stations monitored annually. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 1.00000 - 10.00000 ug/l | | | | | | | | |
| B | Boron | ug/l | Total | Actual | | | | | SM 4500-B.B | |
| | Acceptable Range | 0.20000 - 5,000.00000 ug/l | | | | | | | | |
| BA | Barium | mg/l | Total | Actual | | | | | EPA 208.1 | |
| | Acceptable Range | 0.10000 - 20.00000 mg/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| | Acceptable Range | 0.10000 - 20.00000 ug/l | | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 218.2 | |
| | Acceptable Range | 1.00000 - 20.00000 ug/l | | | | | | | | |
| CU | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| | Acceptable Range | 1.00000 - 20.00000 ug/l | | | | | | | | |
| HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.20000 - 20.00000 ug/l | | | | | | | | |

Characteristic Group Details

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PR-COAST

Puerto Rico Environmental Quality Board Coastal (Beach)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MN | Manganese | mg/l | Total | Actual | | | | | EPA 243.1 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NI | Nickel | ug/l | Total | Actual | | | | | 249.2 | |
| | Acceptable Range | 1.00000 - 20.00000 ug/l | | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 239.2 | |
| | Acceptable Range | 1.00000 - 10.00000 ug/l | | | | | | | | |
| SE | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| | Acceptable Range | 2.00000 - 20.00000 ug/l | | | | | | | | |
| ZN | Zinc | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00500 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|---------------------------------------|--------|--------|-----------|--------------|---------|
| COAST-NU | Coast nutrient monitoring netw | Sample | Water | | | | N |
| | Description | Coastal nutrients monitoring network. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | PREQB SOP 025 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| N+N-N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |

Characteristic Group Details

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASN-BIO | Watershed Restoration Microbio | Sample | Water | | | | N |

Description Biological monitoring includes: Rio La Plata and Rio Grande de Loiza

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CRYPTOSP | Cryptosporidium | #/100ml | Total | Actual | | | | | EPA 1623 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| FECAL-CO | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| GIARDA | Giardia | #/100ml | Total | Actual | | | | | EPA 1623 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| GIARDA-L | Giardia lamblia | #/100ml | Total | Actual | | | | | EPA 1623 | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 #/100ml | | | | | | | | |
| TOTAL-CO | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 100,000.00000 #/100ml | | | | | | | | |
| | Coliform/Strep Ratio, Fecal | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASN-CLO | Watershed Restoration Chloroph | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOR A | Chlorophyll a (probe relative fluorescence) | mg/l | Total | Actual | | | | | PREQB SM 10200H | |
| | Acceptable Range | 0.00001 - 50.09990 mg/l | | | | | | | | |

Characteristic Group Details

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BASN-FIE | Watershed Restoration field | Field Msr/Obs | Water | | | | N |

Description Field monitoring includes: Rio Grande de Arecibo and Rio La Plata

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 100.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 100.10000 None | | | | | | | | |
| SS | Solids, Settleable | ml/l | Settleable | Actual | Maximum | | | | EPA 160.5 | |
| | Acceptable Range | 0.00000 - 50.00000 ml/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 100.00000 deg C | | | | | | | | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BASN-NUT | Watershed Restoration Nutrient | Sample | Water | | | | N |

Description Nutrients monitored for Rio Grande de Arecibo and Rio La Plata

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORO-A | Chlorophyll a (probe relative fluorescence) | mg/l | | Actual | | | | | PREQB SOP 034 | |
| | Acceptable Range | 0.00001 - 20.00000 mg/l | | | | | | | | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | PREQB SOP 025 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | PREQB SOP 024 | |
| | Acceptable Range | 0.05000 - 30.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | PREQB SOP 024 | |
| | Acceptable Range | 0.05000 - 20.00000 mg/l | | | | | | | | |

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ORTHOP | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | EPA 365.2 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | EPA 365.4 | |
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | PREQB SOP 028 | |
| | Acceptable Range | 10.00000 - 200.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | ng/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.00100 - 30.00000 ng/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | PREQB 028 | |
| | Acceptable Range | 1.00000 - 100.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| BASN-PES | Watershed Restoration pesticid | Sample | Water | | | | N |
| | Description | Pesticides monitoring on Rio Grande de Arecibo and Rio La Plata Basins | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2-4-DDT | DDT, 2,4'- ***retired*** (use o,p'- DDT) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT, p,p'- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 40.00000 ug/l | | | | | | | | |

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A-BHC | BHC-alpha Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| ALDRIN | Aldrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| B-BHC | BHC-beta Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| CARBO | Carbofuran | ug/l | Total | Actual | | | | | | |
| CHLORDA | Chlordane Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| D-BHC | BHC-delta Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| DIAZINON | Diazinon Acceptable Range | ug/l | Total | Actual | | | | | | |
| DIELDRIN | Dieldrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| END-SULF | Endosulfan Sulfate Acceptable Range | ug/l | Total | Actual | | | | | | |
| ENDO | Endosulfan Acceptable Range | ug/l | Total | Actual | | | | | | |
| ENDO-1 | Endosulfan 1 (use alpha-Endosulfan) ***retired*** ISN=223 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| ENDO-2 | Endosulfan 2 (use beta-Endosulfan) ***retired*** ISN=224 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| ENDRIN | Endrin Acceptable Range | ug/l | Total | Actual | | | | | | |
| ENDRIN-A | Endrin Aldehyde Acceptable Range | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| G-BHC-LI | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| GLYPHOS | Glyphosate (Roundup) | ug/l | Total | Actual | | | | | | |
| H-CHLOR | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| H-CHOR-E | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| MALATHIO | Malathion | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 10.00000 ug/l | | | | | | | | |
| OXA | Oxamyl | ug/l | Total | Actual | | | | | | |
| PCB-1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| PCB-1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| TOXAPH | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BEACH | Beach Monitoring and Notificat | Sample | Water | | | | N |

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 10,000,000.00000 #/100ml | | | | | | | | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 10,000,000.00000 #/100ml | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 200.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---|----------------|--------|--------|-----------|--------------|---------|
| COAST-BI | Coastal microbiological monito | Sample | Water | | | | N |
| | Description Coastal microbiological (fecal coliforms and enterococcus) monitoring network | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 9,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--|----------------|--------|--------|-----------|--------------|---------|
| COAST-CO | Coastal monitoring conventiona | Sample | Water | | | | N |
| | Description Coastal monitoring network. | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| O&G | Oil and Grease | mg/l | Total | Actual | | | | | PREQB SOP- | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|--------------------------|----------------------------|
| TURB | Turbidity | NTU | | Actual | | | | | 035 SM 2130B PREQB | |
| | Acceptable Range | 0.00000 - 20.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------------------------|--------|--------|-----------|--------------|---------|
| COAST-FI | Coastal field monitoring n | Field Msr/Obs | Water | | | | N |
| | Description | Coastal field monitoring network | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| SAL | Salinity | % | Total | Actual | | | | | PREQB SOP- 021.3 | |
| | Acceptable Range | 0.10000 - 1,000.00000 % | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| COAST-ME | COASTAL WATER MONITORING NETWO | Sample | Water | | | | N |
| | Citations | USEPA, 1994, Methods for the Determination of Metals in Environmental Samples, Supplement I, USEPA, EPA 600-R-94-111 | | | | | |
| | Description | Metals analysis in coastal waters stations monitored annually. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 1.00000 - 10.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| B | Boron Acceptable Range | ug/l | Total | Actual | | | | | SM 4500-B.B | |
| BA | Barium Acceptable Range | mg/l | Total | Actual | | | | | EPA 208.1 | |
| CD | Cadmium Acceptable Range | ug/l | Total | Actual | | | | | 213.2 | |
| CR | Chromium Acceptable Range | ug/l | Total | Actual | | | | | 218.2 | |
| CU | Copper Acceptable Range | ug/l | Total | Actual | | | | | 220.2 | |
| HG | Mercury Acceptable Range | ug/l | Total | Actual | | | | | 245.1 | |
| MN | Manganese Acceptable Range | mg/l | Total | Actual | | | | | EPA 243.1 | |
| NI | Nickel Acceptable Range | ug/l | Total | Actual | | | | | 249.2 | |
| PB | Lead Acceptable Range | ug/l | Total | Actual | | | | | 239.2 | |
| SE | Selenium Acceptable Range | ug/l | Total | Actual | | | | | 270.2 | |
| ZN | Zinc Acceptable Range | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|---------------------------------------|--------|--------|-----------|--------------|---------|
| COAST-NU | Coast nutrient monitoring netw | Sample | Water | | | | N |
| | Description | Coastal nutrients monitoring network. | | | | | |

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | PREQB SOP 025 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| N+N-N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|---|--------|--------|-----------|--------------|---------|
| FIELD-SW | Field measurements for surface | Field Msr/Obs | Water | | | | N |
| | Description | field measurements for surface: lakes, rivers, coasts | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | PREQB SOP 021.4 | |
| | Acceptable Range | 0.01000 - 50.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 1.00000 - 12.00000 None | | | | | | | | |
| SECHI | Depth, Secchi Disk Depth | m | | Actual | | | | | SECHI-DISK | |
| | Acceptable Range | 0.01000 - 10.00000 m | | | | | | | | |
| SS | Solids, Settleable | ml/l | Settleable | Actual | | | | | EPA 160.5 | |
| | Acceptable Range | 0.00000 - 10.00000 ml/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | PREQB SOP 021.1 | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-CHL | Lake chlorophyll monitoring | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOR A | Chlorophyll a (probe relative fluorescence) | mg/l | | Actual | | | | | PREQB SOP 034 | |
| | Acceptable Range | 0.00001 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-HDN | Measurements for hardness | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CACO3 | Hardness, carbonate | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 10.00000 - 500.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-MET | Lake Monitoring Metals | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AS | Arsenic | ug/l | Total | Actual | | | | | 206.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 213.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 218.2 | |
| CU | Copper | ug/l | Total | Actual | | | | | 220.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |
| NI | Nickel | ug/l | Total | Actual | | | | | 249.2 | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 239.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| SE | Selenium | ug/l | Total | Actual | | | | | 270.2 | |
| | Acceptable Range | 2.00000 - 20.00000 ug/l | | | | | | | | |
| ZN | Zinc | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 80.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-NUT | Lake nutrients monitoring | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMONIA | Ammonia, unionized | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.05000 - 1.00000 mg/l | | | | | | | | |
| FOSFORO | Phosphorus | mg/l | Total | Actual | | | | | EPA 365.4 | |
| | Acceptable Range | 0.01000 - 1.00000 mg/l | | | | | | | | |
| NIT+NIT | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00050 - 1.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.02000 - 9.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKE-PES | Lakes pesticides monitoring | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-----------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4-4-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 | ug/l | | | | | | | |
| 4-4-DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 | ug/l | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00010 - 20.00000 | ug/l | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 0.20000 | ug/l | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 20.00000 | ug/l | | | | | | | |
| CHLORD | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 | ug/l | | | | | | | |
| D-BHC | BHC-delta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 20.00000 | ug/l | | | | | | | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 | ug/l | | | | | | | |
| END-1 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 | ug/l | | | | | | | |
| END-A | Endrin Aldehyde | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 | ug/l | | | | | | | |
| ENDO-2 | Endosulfan, beta- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 | ug/l | | | | | | | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 | ug/l | | | | | | | |
| ENDSULFA | Endosulfan Sulfate | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 10.00000 | ug/l | | | | | | | |
| G-BHC | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 20.00000 | ug/l | | | | | | | |
| H-CHLOR | Heptachlor | ug/l | Total | Actual | | | | | | |

Characteristic Group Details

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PR-LAKES

Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| H-CLOR-E | Heptachlor epoxide | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00010 - 20.00000 ug/l | | | | | | | | |
| PCB1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| PCB1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| PCB1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TOXA | Toxaphene | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------------|---|--------|--------|-----------|--------------|---------|--|
| MICRO | Microbiological/Coliform | Sample | Water | | | | N | |
| | Description | microbiological coliform monitory for lakes, rivers and coast | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 99,999,999.90000 #/100ml | | | | | | | | |
| F-ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| F-STREPT | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| TOT-COL | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 99,999,999.99999 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| RIVER | RIO GRANDE DE LOIZA BASIN | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-----------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00060 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00040 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT ***retired*** (use DDT, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00130 - 10.00000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00110 - 10.00000 ug/l | | | | | | | | |
| CHLOR A | Chlorophyll a (probe) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 2.00000 mg/l | | | | | | | | |
| CHLORDA | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| D-BHC | BHC-delta Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00100 - 10.00000 ug/l | | | | | | | | |
| DIELDRIN | Dieldrin Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00040 - 10.00000 ug/l | | | | | | | | |
| DO | Dissolved oxygen (DO) Acceptable Range | mg/l | | Actual | | | | | | |
| | | 0.00001 - 200.00000 mg/l | | | | | | | | |
| END-2 | Endosulfan, beta- Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00210 - 10.00000 ug/l | | | | | | | | |
| END-SULF | Endosulfan Sulfate Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00120 - 10.00000 ug/l | | | | | | | | |
| ENDO-1 | Endosulfan, alpha- Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00330 - 10.00000 ug/l | | | | | | | | |
| ENDRIN | Endrin Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00090 - 10.00000 ug/l | | | | | | | | |
| ENDRIN-A | Endrin Aldehyde Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00160 - 10.00000 ug/l | | | | | | | | |
| ENT | Enterococcus Group Bacteria Acceptable Range | #/100ml | Total | Actual | | | | | | |
| | | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform Acceptable Range | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| G-BHC-LI | BHC-gamma (Lindane) Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| | | 0.00140 - 10.00000 ug/l | | | | | | | | |
| H-CHLOR | Heptachlor Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00160 - 10.00000 ug/l | | | | | | | | |
| H-CHOR-E | Heptachlor epoxide Acceptable Range | ug/l | Total | Actual | | | | | | |
| | | 0.00150 - 10.00000 ug/l | | | | | | | | |
| NH3-N | Nitrogen, ammonium (NH4) as Acceptable Range | mg/l | Total | Actual | | | | | | |
| | | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 Acceptable Range | mg/l | Total | Actual | | | | | | |
| | | | | | | | | | | |

Characteristic Group Details

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00001 - 10.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.05000 - 10.00000 mg/l | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| PCB-1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.06500 - 10.00000 ug/l | | | | | | | | |
| PCB-1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 0.00010 - 20.00000 None | | | | | | | | |
| PO4 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | EPA 365.2 | |
| | Acceptable Range | 0.00001 - 100.00000 mg/l | | | | | | | | |
| SS | Solids, Settleable | ml/l | Total | Actual | | | | | EPA 160.5 | |
| | Acceptable Range | 0.00000 - 50.00000 ml/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | PREQB SOP 028 | |
| | Acceptable Range | 0.10000 - 2,000.00000 mg/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |

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Puerto Rico Environmental Quality Board (Surface Water)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.20000 - 10.00000 mg/l | | | | | | | | |
| TOTAL-CO | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| TOXAPH | Toxaphene | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | PREQB 028 | |
| | Acceptable Range | 1.00000 - 200.00000 mg/l | | | | | | | | |

Characteristic Group Details

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PR-RIVER Puerto Rico Environmental Quality Board (Rivers)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASN-BIO | Watershed Restoration Microbio | Sample | Water | | | | N |

Description Biological monitoring includes: Rio La Plata and Rio Grande de Loiza

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|----------|-----------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| CRYPTOSP | Cryptosporidium | #/100ml | Total | Actual | | | | | EPA 1623 | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 | #/100ml | | | | | | | | |
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 | #/100ml | | | | | | | | |
| FECAL-CO | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 | #/100ml | | | | | | | | |
| GIARDA | Giardia | #/100ml | Total | Actual | | | | | EPA 1623 | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 | #/100ml | | | | | | | | |
| GIARDA-L | Giardia lamblia | #/100ml | Total | Actual | | | | | EPA 1623 | | |
| | Acceptable Range | 1.00000 - 40,000,000.00000 | #/100ml | | | | | | | | |
| TOTAL-CO | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | | |
| | Acceptable Range | 1.00000 - 100,000.00000 | #/100ml | | | | | | | | |
| | Coliform/Strep Ratio, Fecal | | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| BASN-CLO | Watershed Restoration Chloroph | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLOR A | Chlorophyll a (probe relative fluorescence) | mg/l | Total | Actual | | | | | PREQB SM 10200H | |
| | Acceptable Range | 0.00001 - 50.09990 | mg/l | | | | | | | |

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Puerto Rico Environmental Quality Board (Rivers)

| | | | | | | | |
|-----------------|-----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BASN-FIE | Watershed Restoration field | Field Msr/Obs | Water | | | | N |

Description Field monitoring includes: Rio Grande de Arecibo and Rio La Plata

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 100.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 100.10000 None | | | | | | | | |
| SS | Solids, Settleable | ml/l | Settleable | Actual | Maximum | | | | EPA 160.5 | |
| | Acceptable Range | 0.00000 - 50.00000 ml/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 100.00000 deg C | | | | | | | | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| BASN-NUT | Watershed Restoration Nutrient | Sample | Water | | | | N |

Description Nutrients monitored for Rio Grande de Arecibo and Rio La Plata

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORO-A | Chlorophyll a (probe relative fluorescence) | mg/l | | Actual | | | | | PREQB SOP 034 | |
| | Acceptable Range | 0.00001 - 20.00000 mg/l | | | | | | | | |
| NH3-N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | PREQB SOP 025 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | PREQB SOP 024 | |
| | Acceptable Range | 0.05000 - 30.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | PREQB SOP 024 | |
| | Acceptable Range | 0.05000 - 20.00000 mg/l | | | | | | | | |

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Puerto Rico Environmental Quality Board (Rivers)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ORTHOP | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | EPA 365.2 | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | EPA 365.4 | |
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | Total | Actual | | | | | PREQB SOP 028 | |
| | Acceptable Range | 10.00000 - 200.00000 mg/l | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | ng/l | Total | Actual | | | | | 351.2 | |
| | Acceptable Range | 0.00100 - 30.00000 ng/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | PREQB 028 | |
| | Acceptable Range | 1.00000 - 100.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|
| BASN-PES | Watershed Restoration pesticid | Sample | Water | | | | N |
| | Description | Pesticides monitoring on Rio Grande de Arecibo and Rio La Plata Basins | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2-4-DDT | DDT, 2,4'- ***retired*** (use o,p'- DDT) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 100.00000 ug/l | | | | | | | | |
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT, p,p'- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 40.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A-BHC | BHC-alpha Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| ALDRIN | Aldrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| B-BHC | BHC-beta Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| CARBO | Carbofuran | ug/l | Total | Actual | | | | | | |
| CHLORDA | Chlordane Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| D-BHC | BHC-delta Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| DIAZINON | Diazinon Acceptable Range | ug/l | Total | Actual | | | | | | |
| DIELDRIN | Dieldrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| END-SULF | Endosulfan Sulfate Acceptable Range | ug/l | Total | Actual | | | | | | |
| ENDO | Endosulfan Acceptable Range | ug/l | Total | Actual | | | | | | |
| ENDO-1 | Endosulfan 1 (use alpha-Endosulfan) ***retired*** ISN=223 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| ENDO-2 | Endosulfan 2 (use beta-Endosulfan) ***retired*** ISN=224 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| ENDRIN | Endrin Acceptable Range | ug/l | Total | Actual | | | | | | |
| ENDRIN-A | Endrin Aldehyde Acceptable Range | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| G-BHC-LI | BHC-gamma (Lindane) Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| GLYPHOS | Glyphosate (Roundup) Acceptable Range | ug/l | Total | Actual | | | | | | |
| H-CHLOR | Heptachlor Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| H-CHOR-E | Heptachlor epoxide Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| MALATHIO | Malathion Acceptable Range | ug/l | Total | Actual | | | | | | |
| OXA | Oxamyl Acceptable Range | ug/l | Total | Actual | | | | | | |
| PCB-1016 | Pcb-aroclor 1016 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| PCB-1221 | Pcb-aroclor 1221 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| PCB-1232 | Pcb-aroclor 1232 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| PCB-1242 | Pcb-aroclor 1242 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| PCB-1248 | Pcb-aroclor 1248 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| PCB-1254 | Pcb-aroclor 1254 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| PCB-1260 | Pcb-aroclor 1260 Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| TOXAPH | Toxaphene Acceptable Range | ug/l | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD-SW | Field measurements for surface | Field Msr/Obs | Water | | | | N |

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PR-RIVER

Puerto Rico Environmental Quality Board (Rivers)

Description field measurements for surface: lakes, rivers, coasts

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | PREQB SOP 021.4 | |
| | Acceptable Range | 0.01000 - 50.00000 mg/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 1.00000 - 12.00000 None | | | | | | | | |
| SECHI | Depth, Secchi Disk Depth | m | | Actual | | | | | SECHI-DISK | |
| | Acceptable Range | 0.01000 - 10.00000 m | | | | | | | | |
| SS | Solids, Settleable | ml/l | Settleable | Actual | | | | | EPA 160.5 | |
| | Acceptable Range | 0.00000 - 10.00000 ml/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | PREQB SOP 021.1 | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| MICRO | Microbiological/Coliform | Sample | Water | | | | N |

Description microbiological coliform monitory for lakes, rivers and coast

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 99,999,999.90000 #/100ml | | | | | | | | |
| F-ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| F-STREPT | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| TOT-COL | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|-------------------------------------|-----------------------------|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| RIVER | RIO GRANDE DE LOIZA BASIN | Sample | Water | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 4-4-DDD | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00060 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00040 - 10.00000 ug/l | | | | | | | | |
| 4-4-DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00130 - 10.00000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00110 - 10.00000 ug/l | | | | | | | | |
| CHLOR A | Chlorophyll a (probe) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 2.00000 mg/l | | | | | | | | |
| CHLORDA | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| D-BHC | BHC-delta | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00040 - 10.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 200.00000 mg/l | | | | | | | | |
| END-2 | Endosulfan, beta- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00210 - 10.00000 ug/l | | | | | | | | |
| END-SULF | Endosulfan Sulfate | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00120 - 10.00000 ug/l | | | | | | | | |
| ENDO-1 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00330 - 10.00000 ug/l | | | | | | | | |
| ENDRIN | Endrin | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00090 - 10.00000 ug/l | | | | | | | | |
| ENDRIN-A | Endrin Aldehyde | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00160 - 10.00000 ug/l | | | | | | | | |
| ENT | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | | |
| G-BHC-LI | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00140 - 10.00000 ug/l | | | | | | | | |
| H-CHLOR | Heptachlor | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00160 - 10.00000 ug/l | | | | | | | | |
| H-CHOR-E | Heptachlor epoxide | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00150 - 10.00000 ug/l | | | | | | | | |
| NH3-N | Nitrogen, ammonium (NH4) as NH4 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.01000 - 20.00000 mg/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.05000 - 10.00000 mg/l | | | | | | | | |
| P | Phosphorus | mg/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.01000 - 10.00000 mg/l | | | | | | | | |
| PCB-1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.06500 - 10.00000 ug/l | | | | | | | | |
| PCB-1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PCB-1260 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 0.00010 - 20.00000 None | | | | | | | | |
| PO4 | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | EPA 365.2 | |
| | Acceptable Range | 0.00001 - 100.00000 mg/l | | | | | | | | |
| SS | Solids, Settleable | ml/l | Total | Actual | | | | | EPA 160.5 | |
| | Acceptable Range | 0.00000 - 50.00000 ml/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | PREQB SOP 028 | |
| | Acceptable Range | 0.10000 - 2,000.00000 mg/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 deg C | | | | | | | | |
| TKN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.20000 - 10.00000 mg/l | | | | | | | | |
| TOTAL-CO | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP | |

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Puerto Rico Environmental Quality Board (Rivers)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 1.00000 - 50,000,000.00000 #/100ml | | | | | | | 022 | |
| TOXAPH | Toxaphene | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00001 - 10.00000 ug/l | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | PREQB 028 | |
| | Acceptable Range | 1.00000 - 200.00000 mg/l | | | | | | | | |

Characteristic Group Details

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PREQB-GW

Puerto Rico

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FIELD-GW | Field Measurements for Wells | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CONDUCT | Specific conductance | umho/cm | | Actual | | | | | PREQB SOP 021.4 | |
| | Acceptable Range | 100.00000 - 999.00000 umho/cm | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | PREQB SOP 021.2 | |
| | Acceptable Range | 3.00000 - 12.00000 None | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | PREQB SOP 021.1 | |
| | Acceptable Range | 1.00000 - 50.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MICRO | Microbiological/Coliform | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ENTERO | Enterococcus Group Bacteria | #/100ml | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| F-COLI | Fecal Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| F-STREPT | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | PREQB SOP 022 | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |
| TOT-COL | Total Coliform | #/100ml | Total | Actual | | | | | PREQB SOP 022 T | |
| | Acceptable Range | 0.00000 - 500.00000 #/100ml | | | | | | | | |

Characteristic Group Details

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PREQB-GW

Puerto Rico

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|-----------|---|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NUTRIENT | Nutrients in well water | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| ALK | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | 310.2 | |
| | Acceptable Range | 10.00000 - 200.00000 | mg/l | | | | | | | |
| ANTIMONY | Antimony | ug/l | Total | Actual | | | | | 204.2_M | |
| | Acceptable Range | 20.00000 - 300.00000 | ug/l | | | | | | | |
| BERYLLIUM | Beryllium | ug/l | Total | Actual | | | | | 210.2_M | |
| | Acceptable Range | 1.00000 - 30.00000 | ug/l | | | | | | | |
| BORON | Boron | ug/l | Total | Actual | | | | | 4500-B-B | |
| | Acceptable Range | 0.00100 - 300.00000 | ug/l | | | | | | | |
| CADMIUM | Cadmium | ug/l | Total | Actual | | | | | 213.2_M | |
| | Acceptable Range | 0.50000 - 10.00000 | ug/l | | | | | | | |
| CALCIUM | Calcium | mg/l | Total | Actual | | | | | 215.1_M | |
| | Acceptable Range | 0.20000 - 7.00000 | mg/l | | | | | | | |
| CHROMIUM | Chromium | ug/l | Total | Actual | | | | | 218.2_M | |
| | Acceptable Range | 5.00000 - 100.00000 | ug/l | | | | | | | |
| CL | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| | Acceptable Range | 1.00000 - 250.00000 | mg/l | | | | | | | |
| CN | Cyanide | ug/l | Total | Actual | | | | | 335.3 | |
| | Acceptable Range | 5.00000 - 500.00000 | ug/l | | | | | | | |
| COPPER | Copper | ug/l | Total | Actual | | | | | 220.2_M | |
| | Acceptable Range | 5.00000 - 100.00000 | ug/l | | | | | | | |
| F | Fluorides | mg/l | Total | Actual | | | | | 340.2_M | |
| | Acceptable Range | 0.10000 - 1,000.00000 | mg/l | | | | | | | |
| HARD | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 130.2 | |
| | Acceptable Range | 1.00000 - 999.00000 | mg/l | | | | | | | |
| IRON | Iron | mg/l | Total | Actual | | | | | 236.1_M | |
| | Acceptable Range | 0.30000 - 5.00000 | mg/l | | | | | | | |

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Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---------------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LEAD | Lead | ug/l | Total | Actual | | | | | 239.2_M | |
| | Acceptable Range | 5.00000 - 100.00000 ug/l | | | | | | | | |
| MAG | Magnesium | mg/l | Total | Actual | | | | | 242.1_M | |
| | Acceptable Range | 0.02000 - 0.50000 mg/l | | | | | | | | |
| MANGANESE | Manganese | mg/l | Total | Actual | | | | | 243.1_M | |
| | Acceptable Range | 0.10000 - 3.00000 mg/l | | | | | | | | |
| MERCURY | Mercury | ug/l | Total | Actual | | | | | 245.1_M | |
| | Acceptable Range | 0.20000 - 20.00000 ug/l | | | | | | | | |
| NH3-N | Ammonia, unionized | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.01000 - 2.00000 mg/l | | | | | | | | |
| NICKEL | Nickel | ug/l | Total | Actual | | | | | 249.2_M | |
| | Acceptable Range | 5.00000 - 50.00000 ug/l | | | | | | | | |
| NO2-N | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | PREQB SOP-024 | |
| | Acceptable Range | 0.01000 - 1.00000 mg/l | | | | | | | | |
| NO3-N | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | PREQB SOP-024 | |
| | Acceptable Range | 0.10000 - 2.00000 mg/l | | | | | | | | |
| ORTHOPO4 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.5 | |
| | Acceptable Range | 0.00100 - 100.00000 mg/l | | | | | | | | |
| PO4 | Phosphate | mg/l | Total | Actual | | | | | 365.5 | |
| POTASSIUM | Potassium | mg/l | Total | Actual | | | | | 258.1_M | |
| | Acceptable Range | 0.10000 - 2.00000 mg/l | | | | | | | | |
| SILVER | Silver | ug/l | Total | Actual | | | | | 272.2_M | |
| | Acceptable Range | 1.00000 - 25.00000 ug/l | | | | | | | | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| | Acceptable Range | 3.00000 - 300.00000 mg/l | | | | | | | | |
| SODIUM | Sodium | mg/l | Total | Actual | | | | | 273.1_M | |
| | Acceptable Range | 0.03000 - 1.00000 mg/l | | | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | Dry | | | 160.1_M | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 10.00000 - 20,000.00000 mg/l | | | | | | | | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| | Acceptable Range | 0.20000 - 500.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| PEST | Pesticides in well water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 44DDE | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00400 - 1.00000 ug/l | | | | | | | | |
| 44DDT | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00010 - 0.10000 ug/l | | | | | | | | |
| A-BHC | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00130 - 0.10000 ug/l | | | | | | | | |
| ALDRIN | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 0.10000 ug/l | | | | | | | | |
| B-BHC | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00110 - 0.10000 ug/l | | | | | | | | |
| CHLORDAN | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| D-BHC | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00100 - 0.10000 ug/l | | | | | | | | |
| DIELDRIN | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00040 - 1.00000 ug/l | | | | | | | | |
| E-SULFAT | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00120 - 0.10000 ug/l | | | | | | | | |
| ENDO-I | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00033 - 0.10000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENDO-II | Endosulfan, beta- Acceptable Range | ug/l 0.00021 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| ENDRI-A | Endrin Aldehyde Acceptable Range | ug/l 0.00160 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| ENDRIN | Endrin Acceptable Range | ug/l 0.00090 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| G-BHC | BHC-gamma (Lindane) Acceptable Range | ug/l 0.00140 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| H-CHLOR | Heptachlor Acceptable Range | ug/l 0.00160 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| H-EPOXID | Heptachlor epoxide Acceptable Range | ug/l 0.00150 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| PCB1016 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| PCB1221 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| PCB1232 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| PCB1242 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| PCB1248 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| PCB1254 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| PCB1260 | Pcb-aroclor 1260 Acceptable Range | ug/l 0.01550 - 0.10000 ug/l | Total | Actual | | | | | 608 | |
| PCBS | PCBS, Polychlorinated Biphenyls, (Unspecified Mix) Acceptable Range | ug/l 0.00100 - 10.00000 ug/l | Total | Actual | | | | | 608 | |
| TOXAPHEN | Toxaphene | ug/l | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| SEMI-VOL | Well sampling for semi-volatil | Sample | Water | | | | N |

Characteristic Group Details

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PREQB-GW

Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------|------------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1,2,4-TRICHBEN | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 1,2-DICHBEN | 1,2-Dichlorobenzene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 1,3-DICHBEN | 1,3-Dichlorobenzene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 1,4-DICHBEN | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2,4,6-TCPH | 2,4,6-Trichlorophenol (TCPH) | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2,4-DICHPHE | 2,4-Dichlorophenol | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2,4-DIMETPHE | 2,4-Dimethylphenol | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2,4-DINITROPHE | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2,4-DINITROTO | 2,4-Dinitrotoluene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2,6-DINITROTO | 2,6-Dinitrotoluene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2-CHLONAPHTHA | Chloronaphthalene-2 | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2-CHLOPHEN | Chlorophenol-2 | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 2-NITROPHE | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 3,3-DICHBENZI | Dichlorobenzidine, 3,3'- | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| 4-CHLO-3METHYPHE | 4-Chloro-3-methylphenol | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |

Characteristic Group Details

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Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|------------------------------------|-------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 4-NITROPHE | p-Nitrophenol | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| ACENPHTHE | Acenaphthene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| ACENPHTHY | Acenaphthylene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| ANTHRA | Anthracene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BENZIDI | Benzidine | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BENZO-A-ANTHRA | Benzo[a]anthracene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BENZO-A-PYR | Benzo[a]pyrene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BENZO-BK-FLUO | Benzo[bk]fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BENZO-GHI-PERY | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BENZO-K-FLUO | Benzo[k]fluoranthene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BIS-2-CHLOETHO-MET | bis(2-chloroethoxy) methane | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BIS-2-CHLOETHY-ET | bis(2-chloroethyl) ether | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BIS-2-CHLOISOP-ET | Bis(2-Chloroisopropyl) ether | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 | ug/l | | | | | | | |
| BIS-2-ETHYLEXY-PHTHA | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 625 | |

Characteristic Group Details

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PREQB-GW

Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------------------|-----------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| BUTYBENPHTHA | Butyl benzyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| CHRYSE | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| DIBEN-A,H-ANTHRA | Dibenzo[a,h]anthracene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00001 - 0.01000 ug/l | | | | | | | | |
| DIETHYPHTHA | Diethyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| FLUORENE | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| HEXACHLOBEN | Hexachlorobenzene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| HEXACHLOBUT | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| HEXACHLOCYCL OPENT | Hexachlorocyclopentadiene | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| HEXACHLOET | Hexachloroethane | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| IND-1,2,3-CD-PY | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| ISOPHORO | Isophorone | ug/l | | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| N- NITROMETHYLET HYLA | Nitrosomethylethylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| NAPHTHALE | Naphthalene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |

Characteristic Group Details

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Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NITROBEN | nitro-Benzene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| PCP | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| PHEN | Phenol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |
| PYRE | Pyrene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00010 - 0.01000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| VOC | Well sampling for VOC | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1-1-1-TRICHET | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-1-2-2-TETRACHET | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-1-2-TRICHET | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-1-DICHETHA | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-2-DICHBEN | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-2-DICHETA | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-2-DICHPRO | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-3-DICHBEN | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |

Characteristic Group Details

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Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------|----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 1-4-DICHBEN | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| 2-CHLOETHYVINETH | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| BENZENE | Benzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| BROMFOR | Bromoform | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| CARBOTETRACHL | Carbon tetrachloride | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| CHLOBEN | Chlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| CHLOETH | Chloroethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| CHLOROF | Chloroform | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| CIS-1-3-DICHPRO | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| DICHMET | Dichloromethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| ETHBEN | Ethylbenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TETRACHLOET | Tetrachloroethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TOLUENE | Toluene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TRAN-1-2-DICHETH | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 624 | |

Characteristic Group Details

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Puerto Rico

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------------|---------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TRAN-1-3-DICHPRO | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TRICHETHYL | Trichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| TRICHFLUME | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |
| VYNCHLO | Vinyl chloride | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00100 - 10.00000 ug/l | | | | | | | | |

Characteristic Group Details

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R2-LAB

New York

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| BEACHES | Helicopter Runs | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 00010 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 00300 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 4500-O-C | |
| 31613 | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| 31649 | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LWBCHES | Helicopter Studies - Labworks | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|-----------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| \$DO_PERP | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| DO-A-MET | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| ENTERO | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| ENTEROCO | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | |
| FCMF | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| FECAL_CO | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 0.00000 deg C | | | | | | | | |
| TEMPERAT | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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R9VOL

Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| TEST | test | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 11 | peb4mm | |
| 12 | peb8m | |
| 13 | peb16m | |
| 14 | peb20mm | |
| 15 | peb23mm | |
| 16 | peb30mm | |
| 17 | peb35mm | |
| 18 | peb39mm-47mm | |
| 19 | peb49mm-50mm | |
| 20 | peb50mm-55mm | |
| 21 | peb56mm-60mm | |
| 22 | peb73mm | |
| 23 | >80mm | |
| 24 | p1 | |
| 25 | p25 | |
| 26 | p26 | |
| 27 | p27 | |
| 28 | p28 | |
| 29 | p29 | |
| 30 | p30 | |
| 31 | p31 | |
| 32 | p32 | |
| 33 | p33 | |
| 34 | p34 | |
| 35 | p35 | |

Characteristic Group Details

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R9VOL Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 36 | p36 | |
| 37 | p37 | |
| 38 | p38 | |
| 39 | p39 | |
| 40 | p40 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| VOLCG-00 | Volunteer Group 001 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg F | | Actual | | | | | | |
| 10 | Phosphorus as PO4 | mg/l | Total | Actual | | | | | 4500-P-D | |
| 11 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | | |
| 2 | Temperature, sample | deg F | | Actual | | | | | | |
| 3 | Dissolved oxygen (DO) | ppm | Dissolved | Actual | | | | | | |
| 4 | Specific conductance | uS/cm | Total | Actual | | | | | 2510 | |
| 5 | pH | None | Total | Actual | | | | | | |
| 6 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 4500-NH3(D) | |
| 7 | Ammonia, unionized | mg/l | Total | Actual | | | | | | |
| 8 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 4500-NO3(C) | |
| 9 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| VOLCG-02 | Habitat Observations | Field Msr/Obs | | | | | Y |

Leopold, Luna B., 1994, A View of the River, Harvard University Press, all

Characteristic Group Details

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R9VOL Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

Citations

| Row ID | Characteristic Name | Description |
|--------|---------------------------|-------------|
| 11 | Air temperature | |
| 12 | weather conditions | |
| 13 | stream water appearance | |
| 14 | water depth | |
| 15 | flow | |
| 16 | exposed streambed coating | |
| 17 | odor | |
| 18 | pool | |
| 19 | riffle | |
| 20 | tree roots | |
| 21 | logs or stumps | |
| 22 | large boulders | |
| 23 | wetland | |
| 24 | overhead tree canopy | |
| 25 | steep eroded banks | |
| 26 | man-made banks (concrete) | |
| 27 | vegetated banks | |
| 28 | undercut banks | |
| 29 | other - describe | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|---|--------|--------|-----------|--------------|---------|
| VOLCG-03 | Habitat Pebble Count | Field Msr/Obs | | | | | Y |
| | Citations | Henderson, Cheryl C., C. L. Rawlins, John P. Potyondy, 1994, Stream Channel Reference Sites: An Illustrated Guide to Field Technique, USFS General Technical Report, RM-245 | | | | | |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 11 | Cross section | |

Characteristic Group Details

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R9VOL Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 12 | Cross section area | |
| 13 | Region | |
| 14 | Region area | |
| 15 | % of total area | |
| 16 | Number of Pebbles | |
| 17 | Data type | |
| 18 | < 4 mm | |
| 19 | 4 - 6 mm | |
| 20 | 6.1 - 8 mm | |
| 21 | 8.1 - 11 mm | |
| 22 | 11.1 - 16 mm | |
| 23 | 16.1 - 22 mm | |
| 24 | 22.1 - 32 mm | |
| 25 | 32.1 - 45 mm | |
| 26 | 45.1 - 64 mm | |
| 27 | 64.1 - 90 mm | |
| 28 | 90.1 - 128 mm | |
| 29 | 128.1 - 180 mm | |
| 30 | 180.1 - 256 mm | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| VOLCG-04 | Embeddedness | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 11 | Cross section | |
| 12 | Cross section area | |
| 13 | Region | |

Characteristic Group Details

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R9VOL Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

| Row ID | Characteristic Name | Description |
|--------|------------------------|-------------|
| 14 | Region area | |
| 15 | % of Total area | |
| 16 | Average Embeddedness | |
| 17 | Number of Observations | |
| 18 | Data type | |
| 19 | Obs-1 | |
| 20 | Obs-2 | |
| 21 | Obs-3 | |
| 22 | Obs-4 | |
| 23 | Obs-5 | |
| 24 | Obs-6 | |
| 25 | Obs-7 | |
| 26 | Obs-8 | |
| 27 | Obs-9 | |
| 28 | Obs-10 | |
| 29 | Obs-11 | |
| 30 | Obs-12 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| VOLCG-3A | Habitat Pebble Count Part 2 | Field Msr/Obs | | | | | Y |
| | Citations | Henderson, Cheryl C., C. L. Rawlins, John P. Potyondy, 1994, Stream Channel Reference Sites: An Illustrated Guide to Field Technique, USFS General Technical Report, RM-245 | | | | | |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 1 | >256 | |
| 2 | Bedrock | |

Characteristic Group Details

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R9VOL

Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| VOLCG-4A | Embeddedness Part #2 | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 11 | Obs-13 | |
| 12 | Obs-14 | |
| 13 | Obs-15 | |
| 14 | Obs-16 | |
| 15 | Obs-17 | |
| 16 | Obs-18 | |
| 17 | Obs-19 | |
| 18 | Obs-20 | |
| 19 | Obs-21 | |
| 20 | Obs-22 | |
| 21 | Obs-23 | |
| 22 | Obs-24 | |
| 23 | Obs-25 | |
| 24 | Obs-26 | |
| 25 | Obs-27 | |
| 26 | Obs-28 | |
| 27 | Obs-29 | |
| 28 | Obs-30 | |
| 29 | Obs-31 | |
| 30 | Obs-32 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| VOLCG-4B | Embeddedness Part #3 | Field Msr/Obs | | | | | Y |

Characteristic Group Details

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R9VOL

Volunteer Monitoring Groups in EPA Region 9 (CALIFORNIA)

| Row ID | Characteristic Name | Description |
|--------|---------------------|-------------|
| 11 | Obs-33 | |
| 12 | Obs-34 | |
| 13 | Obs-35 | |
| 14 | Obs-36 | |
| 15 | Obs-37 | |
| 16 | Obs-38 | |
| 17 | Obs-39 | |
| 18 | Obs-40 | |
| 19 | Obs-41 | |
| 20 | Obs-42 | |
| 21 | Obs-43 | |
| 22 | Obs-44 | |
| 23 | Obs-45 | |
| 24 | Obs-46 | |

Characteristic Group Details

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SDWRAP

SD Dept of Environmental & Natural Resources

| | | | | | | | |
|------------------|----------------------------|---|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| WRAP | Water Resources Assessment | Field Msr/Obs | Water | | | | N |
| Citations | | SDWRAP SOP - Watershed Assessment Team, June 2003, Standard Operating Procedure for Field Samplers Volume 1, State of South Dakota, Voume 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI DISK | |
| 2 | pH | None | | Actual | | | | | WRAPFLD | |
| 3 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | WRAPFLD | |
| 4 | Temperature, water | deg C | | Actual | | | | | WRAPFLD | |
| 5 | Temperature, air | deg C | | Actual | | | | | WRAPFLD | |
| 6 | Depth, Secchi Disk Depth | m | | Actual | | | | | WRAPFLD | |
| 7 | Temperature, air | deg F | | Actual | | | | | WRAPFLD | |

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 001 | Water Sample | Data Logger | Water | | | | N |

Description Collecting ph, conductivity, temperature, salinity, depth and turbidity

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DEPTH | Depth, data-logger (ported) | ft | | Actual | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.2 | |
| PH | pH | None | | Actual | | | | | 9040A | |
| SAL | Salinity | ppt | | Actual | Mean | Wet | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ppt | | | | | | | | |
| SPCON | Specific conductance | mS/cm | | Actual | | | | | 9050 | |
| TEMP1 | Temperature, water | deg C | | Actual | Mean | Wet | | | 170.1 | |
| | Acceptable Range | -5.00000 - 50.00000 deg C | | | | | | | | |
| TUR | Turbidity | NTU | Suspended | Actual | Mean | Wet | | | 180.1 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 002 | Sediment | Sample | Sediment | | | | N |

Description Initially, all sediment samples will be collected utilizing a Wildco Sediment Coring Device and plastic tubes, which are used to contain sediment. If a sample cannot be collected with this method then the Ponar Dredge will be used.

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 003 | Fish | Sample | Biological | Tissue | | | N |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 1999 | beaver | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DEPTH | Depth, data-logger (ported) | ft | | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | 360.2 | |
| | Acceptable Range | 6.00000 - 20.00000 mg/l | | | | | | | | |
| DO% | Dissolved oxygen (DO) | % | | Calculated | Mean | | | | 360.2 | |
| PH | pH | None | | Calculated | Mean | | | | 9040A | |
| | Acceptable Range | 6.50000 - 9.00000 None | | | | | | | | |
| SAL | Salinity | ppt | | Calculated | Mean | | | | | |
| SPCOND | Specific conductance | mS/cm | | Calculated | Mean | | | | 9050A | |
| | Acceptable Range | 0.15000 - 0.50000 mS/cm | | | | | | | | |
| TUR | Turbidity | NTU | Suspended | Calculated | Mean | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5.00000 NTU | | | | | | | | |
| WTEMP | Temperature, water | deg C | | Actual | Mean | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 36.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 2000 SAM | sampling 2000 | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | 360.2 | |
| | Acceptable Range | 6.00000 - 20.00000 mg/l | | | | | | | | |
| | Turbidity | NTU | Suspended | Calculated | Mean | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5.00000 NTU | | | | | | | | |
| | Temperature, water | deg C | | Actual | Mean | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 36.00000 deg C | | | | | | | | |
| | Specific conductance | mS/cm | | Calculated | Mean | | | | 9050A | |
| | Acceptable Range | 0.15000 - 0.50000 mS/cm | | | | | | | | |

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Salinity | ppt | | Calculated | Mean | | | | | |
| | Acceptable Range | 0.00000 - 0.50000 ppt | | | | | | | | |
| | Dissolved oxygen (DO) | % | | Calculated | Mean | | | | 360.2 | |
| | Depth, data-logger (ported) | ft | | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| | pH | None | | Calculated | Mean | | | | 9040A | |
| | Acceptable Range | 6.50000 - 9.00000 None | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 2001 | bittern | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DEPTH | Depth, data-logger (ported) | ft | | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | 360.2 | |
| | Acceptable Range | 6.00000 - 20.00000 mg/l | | | | | | | | |
| DO% | Dissolved oxygen (DO) | % | | Calculated | Mean | | | | 360.2 | |
| PH | pH | None | | Calculated | Mean | | | | 9040A | |
| | Acceptable Range | 6.50000 - 9.00000 None | | | | | | | | |
| SAL | Salinity | ppt | | Calculated | Mean | | | | | |
| | Acceptable Range | 0.00000 - 0.50000 ppt | | | | | | | | |
| SPCOND | Specific conductance | uS/cm | | Calculated | Mean | | | | 9050A | |
| | Acceptable Range | 0.15000 - 0.50000 uS/cm | | | | | | | | |
| TURB | Turbidity | NTU | Suspended | Calculated | Mean | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5.00000 NTU | | | | | | | | |
| WTEMP | Temperature, water | deg C | | Actual | Mean | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 36.00000 deg C | | | | | | | | |

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 2001A | tarbell | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DEPTH | Depth, data-logger (ported) | ft | | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | 360.2 | |
| | Acceptable Range | 6.00000 - 20.00000 mg/l | | | | | | | | |
| DO% | Dissolved oxygen (DO) | % | | Calculated | Mean | | | | 360.2 | |
| PH | pH | None | | Calculated | Mean | | | | 9040A | |
| | Acceptable Range | 6.50000 - 9.00000 None | | | | | | | | |
| SAL | Salinity | ppt | | Calculated | Mean | | | | | |
| | Acceptable Range | 0.00000 - 0.50000 ppt | | | | | | | | |
| SPCOND | Specific conductance | uS/cm | | Calculated | Mean | | | | 9050A | |
| TURB | Turbidity | NTU | Suspended | Calculated | Mean | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5.00000 NTU | | | | | | | | |
| WTEMP | Temperature, water | deg C | | Actual | Mean | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 36.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 2003 | wade | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | 360.2 | |
| | Acceptable Range | 6.00000 - 20.00000 mg/l | | | | | | | | |
| | Turbidity | NTU | Suspended | Calculated | Mean | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 5.00000 NTU | | | | | | | | |

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Temperature, water | deg C | | Actual | Mean | | | | 170.1 | |
| | Acceptable Range | 0.00000 - 36.00000 deg C | | | | | | | | |
| | Specific conductance | mS/cm | | Calculated | Mean | | | | 9050A | |
| | Salinity | ppt | | Calculated | Mean | | | | | |
| | Acceptable Range | 0.00000 - 0.50000 ppt | | | | | | | | |
| | Dissolved oxygen (DO) | % | | Calculated | Mean | | | | 360.2 | |
| | Depth, data-logger (ported) | ft | | Actual | Mean | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft | | | | | | | | |
| | pH | None | | Calculated | Mean | | | | 9040A | |
| | Acceptable Range | 6.50000 - 9.00000 None | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-WS-01 | Data Logger - Water Sample | Data Logger | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| C | Temperature, water | deg C | | Actual | Mean | Wet | | | 170.1 | |
| | Acceptable Range | -5.00000 - 50.00000 deg C | | | | | | | | |
| D | Specific conductance | mS/cm | | Actual | | | | | 9050 | |
| E | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.2 | |
| F | Depth, data-logger (ported) | ft | | Actual | | | | | | |
| G | pH | None | | Actual | | | | | 9040A | |
| H | Turbidity | NTU | Suspended | Actual | Mean | Wet | | | 180.1 | |
| I | Salinity | ppt | | Actual | Mean | Wet | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ppt | | | | | | | | |

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CGSOL99 | solomon 99 cg | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dissolved oxygen (DO) | mg/l | Dissolved | Calculated | Mean | | | | 360.2 | |
| | Temperature, water | deg C | | Actual | Mean | | | | 170.1 | |
| | Specific conductance | mS/cm | | Calculated | Mean | | | | 9050A | |
| | Salinity | ppt | | Calculated | Mean | | | | | |
| | Dissolved oxygen (DO) | % | | Calculated | Mean | | | | 360.2 | |
| | Depth, data-logger (ported) | ft | | Actual | Mean | | | | | |
| | pH | None | | Calculated | Mean | | | | 9040A | |
| | Turbidity | NTU | | Calculated | Mean | | | | 180.1 | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| WATER | water parameters | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Temperature, water | deg C | | Calculated | | | | | | |
| | Salinity | ppt | | Calculated | | | | | | |
| | Dissolved oxygen (DO) | % | | Calculated | | | | | | |
| | Dissolved oxygen saturation | mg/l | | Calculated | | | | | | |
| | Depth | ft | | Calculated | | | | | | |
| | pH | None | | Calculated | | | | | | |
| | Turbidity | NTU | | Calculated | | | | | | |

Characteristic Group Details

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SRMTAKNY

St. Regis Mohawk Tribe (New York)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| WATER2 | water parameters | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Temperature, water | deg C | | Calculated | | | | | | |
| | Salinity | ppt | | Calculated | | | | | | |
| | Dissolved oxygen (DO) | % | | Calculated | | | | | | |
| | Dissolved oxygen saturation | mg/l | | Calculated | | | | | | |
| | Depth | ft | | Calculated | | | | | | |
| | pH | None | | Calculated | | | | | | |
| | Turbidity | NTU | | Calculated | | | | | | |
| | Specific conductance | mS/cm | | Calculated | | | | | | |

Characteristic Group Details

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STROUD

Stroud Water Research Center (Pennsylvania)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CHEM | Water Chemistry | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CL | Chloride | mg/l | Dissolved | Actual | | | | | | |
| COND | Specific conductance | umho/cm | | Actual | | | | | COND1.0 | |
| DOC | Carbon, organic | mg/l | Dissolved | Actual | | Dry | | | DOC1.0 | |
| DON | Nitrogen, organic | mg/l | Dissolved | Actual | | | | | | |
| NH4N | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | NH4N | |
| NO3N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | | |
| PH | pH | None | | Actual | | | | | PH1.0 | |
| PO4P | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| SKN | Nitrogen, Kjeldahl | mg/l | Dissolved | Actual | | | | | | |
| TDP | Phosphorus | mg/l | Dissolved | Actual | | | | | | |
| TP | Phosphorus | mg/l | Total | Actual | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | Dry | | | TSS_VSS1.0 | |
| VSS | Solids, Volatile | mg/l | Total | Actual | | | | | TSS_VSS1.0 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| OBS | Field Measurement/Observation | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| STREAMFLOW | Flow | l/sec | | Calculated | | | | | FLOW1.0 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| WELLOBS | Well Measurement/Observation | Field Msr/Obs | Other | | | | N |

Characteristic Group Details

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STROUD

Stroud Water Research Center (Pennsylvania)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DEPTH | Water level in well, depth from a reference point | m | | Actual | | | | | | |

Characteristic Group Details

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SWFMDDEP Southwest Florida Water Management District (FLDEP)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FIELD | Field Measurements | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 10 | Temperature, water | deg C | | Actual | | | | | | |
| 299 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | | |
| 406 | pH | None | | Actual | | | | | | |
| 78 | Depth, Secchi Disk Depth | m | | Actual | | | | | | |
| 78A | Depth, Secchi Disk Depth (Choice List) | | | | | | | | | |
| 82903 | Depth, bottom | m | | Actual | | | | | | |
| 94 | Specific conductance | umho/cm | | Actual | | | | | | |
| 96 | Salinity | ppt | | Calculated | | | | | | |
| | Depth | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| SWFDLAB | LAB PARAMETERS | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 32210 | Chlorophyll a, uncorrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| 32211 | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | 10200-H | |
| 32212 | Chlorophyll-b | ug/l | | Actual | | | | | 10200-H | |
| 32214 | Chlorophyll-c | ug/l | | Actual | | | | | 10200-H | |
| 32218 | Pheophytin-a | ug/l | | Actual | | | | | | |
| 32219 | Pheophytin ratio | ug/l | | Calculated | | | | | 10200-H | |
| 530 | Solids, Total Suspended (TSS) | mg/l | Non-filterable | Actual | | | | | 2540-D | |

Characteristic Group Details

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SWFMDDEP

Southwest Florida Water Management District (FLDEP)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 600 | Nitrogen ion (N) | mg/l | Total | Calculated | | | | | D5176 | |
| 608 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Dissolved | Actual | | | | | | |
| 613 | Nitrogen, Nitrite (NO2) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| 618 | Nitrogen, Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| 625 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | | |
| 631 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |
| 665 | Phosphorus as P | mg/l | Total | Actual | | | | | | |
| 671 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | | |
| 680 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| 70300 | Solids, Dissolved | mg/l | Filterable | Actual | | | | | 2540-C | |
| 70971 | Light attenuation coefficient | None | | Actual | | | | | | |
| 80 | Color, True | PCU | | Actual | | | | | 2120-B | |
| 82079 | Turbidity | NTU | Total | Actual | | | | | | |
| 82903 | Depth, bottom | m | | Actual | | | | | | |
| 940 | Chloride | mg/l | Dissolved | Actual | | | | | | |
| 958 | Silicate | mg/l | | Actual | | | | | | |

Characteristic Group Details

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TDECDOE Tennessee Department of Environment and Conservation

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|--------------------|-----------------------------------|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| INOS0000 | Sediment inorganics | Sample | Sediment | | | | N | | | |
| Citations | | Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __ | | | | | | | | |
| Description | | Sediment inorganic parameters | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| AG | Silver | mg/kg | Total | Actual | | | | | 272.1 | EPA 272.1 |
| AL | Aluminum | mg/kg | Total | Actual | | | | | | EPA 202.1 |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/kg | Total | Actual | | | | | | A.18.2 |
| AS | Arsenic | mg/kg | Total | Actual | | | | | 206.2 | EPA 200.9 |
| B | Boron | mg/kg | Total | Actual | | | | | 212.3 | A.3 |
| BA | Barium | mg/kg | Total | Actual | | | | | 208.1 | EPA 208.1 |
| CA | Calcium | mg/kg | Total | Actual | | | | | | EPA 215.1 |
| CD | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | EPA 213.1 |
| CN | Cyanide | mg/kg | Total | Actual | | | | | 335.3 | A.9 |
| CO | Cobalt | mg/kg | Total | Actual | | | | | | EPA 219.1 |
| CR | Chromium | mg/kg | Total | Actual | | | | | 200.9 | EPA 218.1 |
| CU | Copper | mg/kg | Total | Actual | | | | | 200.9 | EPA 220.1 |
| FE | Iron | mg/kg | Total | Actual | | | | | 200.9 | EPA 236.1 |
| HG | Mercury | mg/kg | Total | Actual | | | | | 245.1 | EPA 245.5 |
| K | Potassium | mg/kg | Total | Actual | | | | | | EPA 258.1 |
| KJELDAHL | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | A.18.8.1 |
| LITHIUM | Lithium | mg/kg | Total | Actual | | | | | 200.7(S) | EPA 200.7 |
| MG | Magnesium | mg/kg | Total | Actual | | | | | 242.1 | EPA 242.1 |
| MN | Manganese | mg/kg | Total | Actual | | | | | 243.2 | EPA 200.9 |
| NA | Sodium | mg/kg | Total | Actual | | | | | 273.1 | EPA 273.1 |
| NI | Nickel | mg/kg | Total | Actual | | | | | 249.2 | EPA 249.1 |
| NO3_NO2 | Nitrogen, Nitrite (NO2) + Nitrate | mg/kg | Total | Actual | | | | | | A.18.4 |

Characteristic Group Details

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TDECDOE

Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (NO3) as N | | | | | | | | | |
| OIL_GREA | Oil and Grease | mg/g | Total | Actual | | | | | | A.19.1 |
| PB | Lead | mg/kg | Total | Actual | | | | | 200.9 | EPA 239.1 |
| PHENOLS | Phenols (mixture) | mg/kg | Total | Actual | | | | | A.23.1 | A.23.1 |
| PHOSPHAT | Phosphate | mg/kg | Total | Actual | | | | | | A.18.9.1 |
| SE | Selenium | mg/kg | Total | Actual | | | | | 270.3 | EPA 200.9 |
| SOLIDS | Solids, Total | % | | Actual | | | | | SOLIDS | % SOLIDS |
| TPH | Hydrocarbons, Volatile Petroleum (VPH) | mg/g | Total | Actual | | | | | | A.19.2 |
| ZN | Zinc | mg/kg | Total | Actual | | | | | 289.2 | EPA 289.1 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|----------|--------|-----------|--------------|---------|
| INOS0595 | Sediment inorganics May 1995 | Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lead | mg/kg | Total | Actual | | | | | 200.9 | EPA 239.1 |
| | Copper | mg/kg | Total | Actual | | | | | 200.9 | EPA 220.1 |
| | Cobalt | mg/kg | Total | Actual | | | | | | EPA 219.1 |
| | Chromium | mg/kg | Total | Actual | | | | | 200.9 | EPA 218.1 |
| | Calcium | mg/kg | Total | Actual | | | | | | EPA 215.1 |
| | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | EPA 213.1 |
| | Phenols (mixture) | mg/kg | Total | Actual | | | | | A.23.1 | A.23.1 |
| | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | A.18.8.1 |
| | Oil and Grease | mg/g | Total | Actual | | | | | | A.19.1 |
| | Hydrocarbons, Volatile | mg/g | Total | Actual | | | | | | A.19.2 |

Characteristic Group Details

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TDECDOE **Tennessee Department of Environment and Conservation**

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Petroleum (VPH) | | | | | | | | | |
| | Sodium | mg/kg | Total | Actual | | | | | 273.1 | EPA 273.1 |
| | Silver | mg/kg | Total | Actual | | | | | 272.1 | EPA 272.1 |
| | Nickel | mg/kg | Total | Actual | | | | | 249.2 | EPA 249.1 |
| | Magnesium | mg/kg | Total | Actual | | | | | 242.1 | EPA 242.1 |
| | Nitrogen, ammonia (NH3) as NH3 | mg/kg | Total | Actual | | | | | | A.18.2 |
| | Barium | mg/kg | Total | Actual | | | | | 208.1 | EPA 208.1 |
| | Mercury | mg/kg | Total | Actual | | | | | 245.1 | EPA 245.5 |
| | Solids, Total | % | | Actual | | | | | SOLIDS | % SOLIDS |
| | Iron | mg/kg | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Zinc | mg/kg | Total | Actual | | | | | 289.2 | EPA 289.1 |
| | Potassium | mg/kg | Total | Actual | | | | | | EPA 258.1 |
| | Aluminum | mg/kg | Total | Actual | | | | | | EPA 202.1 |
| | Arsenic | mg/kg | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Selenium | mg/kg | Total | Actual | | | | | 270.3 | EPA 200.9 |
| | Phosphate | mg/kg | Total | Actual | | | | | | A.18.9.1 |
| | Boron | mg/kg | Total | Actual | | | | | 212.3 | A.3 |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | Total | Actual | | | | | | A.18.4 |
| | Particle distribution | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------------|---|----------|--------|-----------|--------------|---------|--|
| INOS1997 | Sediment inorganics 1997 | Sample | Sediment | | | | N | |
| | Description | Sediment Inorganic parameters for 1997. | | | | | | |

Characteristic Group Details

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lead | mg/kg | Total | Actual | | | | | 200.9 | EPA 239.1 |
| | Copper | mg/kg | Total | Actual | | | | | 200.9 | EPA 220.1 |
| | Cobalt | mg/kg | Total | Actual | | | | | | EPA 219.1 |
| | Chromium | mg/kg | Total | Actual | | | | | 200.9 | EPA 218.1 |
| | Calcium | mg/kg | Total | Actual | | | | | | EPA 215.1 |
| | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | EPA 213.1 |
| | Phenols (mixture) | mg/kg | Total | Actual | | | | | A.23.1 | A.23.1 |
| | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | A.18.8.1 |
| | Oil and Grease | mg/g | Total | Actual | | | | | | A.19.1 |
| | Hydrocarbons, Volatile Petroleum (VPH) | mg/g | Total | Actual | | | | | | A.19.2 |
| | Sodium | mg/kg | Total | Actual | | | | | 273.1 | EPA 273.1 |
| | Silver | mg/kg | Total | Actual | | | | | 272.1 | EPA 272.1 |
| | Nickel | mg/kg | Total | Actual | | | | | 249.2 | EPA 249.1 |
| | Magnesium | mg/kg | Total | Actual | | | | | 242.1 | EPA 242.1 |
| | Nitrogen, ammonia (NH3) as NH3 | mg/kg | Total | Actual | | | | | | A.18.2 |
| | Barium | mg/kg | Total | Actual | | | | | 208.1 | EPA 208.1 |
| | Mercury | mg/kg | Total | Actual | | | | | 245.1 | EPA 245.5 |
| | Iron | mg/kg | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Zinc | mg/kg | Total | Actual | | | | | 289.2 | EPA 289.1 |
| | Potassium | mg/kg | Total | Actual | | | | | | EPA 258.1 |
| | Cyanide | mg/kg | Total | Actual | | | | | 335.3 | A.9 |
| | Aluminum | mg/kg | Total | Actual | | | | | 202.1 | EPA 202.1 |
| | Arsenic | mg/kg | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Selenium | mg/kg | Total | Actual | | | | | 270.3 | EPA 200.9 |
| | Phosphate | mg/kg | Total | Actual | | | | | | A.18.9.1 |
| | Boron | mg/kg | Total | Actual | | | | | 212.3 | A.3 |

Characteristic Group Details

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | Total | Actual | | | | | | A.18.4 |
| | Solids, Total | % | | Actual | | | | | SOLIDS | % SOLIDS |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---|----------------|----------|--------|-----------|--------------|---------|
| INOS1998 | Sediment Inorganics 1998 | Sample | Sediment | | | | N |
| | Description Sediment inorganic parameters for 1998 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lead | mg/kg | Total | Actual | | | | | 200.9 | EPA 239.1 |
| | Copper | mg/kg | Total | Actual | | | | | 200.9 | EPA 220.1 |
| | Cobalt | mg/kg | Total | Actual | | | | | | EPA 219.1 |
| | Chromium | mg/kg | Total | Actual | | | | | 200.9 | EPA 218.1 |
| | Calcium | mg/kg | Total | Actual | | | | | | EPA 215.1 |
| | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | EPA 213.1 |
| | Phenols (mixture) | mg/kg | Total | Actual | | | | | A.23.1 | A.23.1 |
| | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | A.18.8.1 |
| | Oil and Grease | mg/g | Total | Actual | | | | | | A.19.1 |
| | Hydrocarbons, Volatile Petroleum (VPH) | mg/g | Total | Actual | | | | | | A.19.2 |
| | Sodium | mg/kg | Total | Actual | | | | | 273.1 | EPA 273.1 |
| | Silver | mg/kg | Total | Actual | | | | | 272.1 | EPA 272.1 |
| | Nickel | mg/kg | Total | Actual | | | | | 249.2 | EPA 249.1 |
| | Magnesium | mg/kg | Total | Actual | | | | | 242.1 | EPA 242.1 |
| | Nitrogen, ammonia (NH3) as NH3 | mg/kg | Total | Actual | | | | | | A.18.2 |
| | Barium | mg/kg | Total | Actual | | | | | 208.1 | EPA 208.1 |

Characteristic Group Details

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Mercury | mg/kg | Total | Actual | | | | | 245.1 | EPA 245.5 |
| | Iron | mg/kg | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Zinc | mg/kg | Total | Actual | | | | | 289.2 | EPA 289.1 |
| | Potassium | mg/kg | Total | Actual | | | | | | EPA 258.1 |
| | Cyanide | mg/kg | Total | Actual | | | | | 335.3 | A.9 |
| | Aluminum | mg/kg | Total | Actual | | | | | | EPA 202.1 |
| | Selenium | mg/kg | Total | Actual | | | | | 270.3 | EPA 200.9 |
| | Arsenic | mg/kg | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Phosphate | mg/kg | Total | Actual | | | | | | A.18.9.1 |
| | Boron | mg/kg | Total | Actual | | | | | 212.3 | A.3 |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | Total | Actual | | | | | | A.18.4 |
| | Solids, Total | % | | Actual | | | | | SOLIDS | % SOLIDS |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|---|----------|--------|-----------|--------------|---------|
| INOS1999 | Sediment inorganics 1999 | Sample | Sediment | | | | N |
| | Description | Sediment inorganic parameters for 1999. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lead | mg/kg | Total | Actual | | | | | 200.9 | EPA 239.1 |
| | Copper | mg/kg | Total | Actual | | | | | 200.9 | EPA 220.1 |
| | Chromium | mg/kg | Total | Actual | | | | | 200.9 | EPA 218.1 |
| | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | EPA 213.1 |
| | Nitrogen, Kjeldahl | mg/kg | Total | Actual | | | | | | A.18.8.1 |
| | Nickel | mg/kg | Total | Actual | | | | | 249.2 | EPA 249.1 |
| | Nitrogen, ammonia (NH3) as | mg/kg | Total | Actual | | | | | | A.18.2 |

Characteristic Group Details

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | NH3 | | | | | | | | | |
| | Mercury | mg/kg | Total | Actual | | | | | 245.1 | EPA 245.5 |
| | Iron | mg/kg | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Zinc | mg/kg | Total | Actual | | | | | 289.2 | EPA 289.1 |
| | Arsenic | mg/kg | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Manganese | mg/kg | Total | Actual | | | | | 243.2 | EPA 200.9 |
| | Phosphate | mg/kg | Total | Actual | | | | | | A.18.9.1 |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/kg | Total | Actual | | | | | | A.18.4 |
| | Solids, Total | % | | Actual | | | | | SOLIDS | % SOLIDS |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|---|----------|--------|-----------|--------------|---------|
| INOS2002 | Sediment organics 2002 | Sample | Sediment | | | | N |
| | Description | Sediment inorganic parameters for 2002. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Lead | mg/kg | Total | Actual | | | | | 200.9 | EPA 239.1 |
| | Copper | mg/kg | Total | Actual | | | | | 200.9 | EPA 220.1 |
| | Chromium | mg/kg | Total | Actual | | | | | 200.9 | EPA 218.1 |
| | Cadmium | mg/kg | Total | Actual | | | | | 200.9 | EPA 213.1 |
| | Nickel | mg/kg | Total | Actual | | | | | 249.2 | EPA 249.1 |
| | Magnesium | mg/kg | Total | Actual | | | | | 242.1 | EPA 242.1 |
| | Mercury | mg/kg | Total | Actual | | | | | 245.1 | EPA 245.5 |
| | Iron | mg/kg | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Zinc | mg/kg | Total | Actual | | | | | 289.2 | EPA 289.1 |
| | Aluminum | mg/kg | Total | Actual | | | | | 202.1 | EPA 202.1 |

Characteristic Group Details

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Arsenic | mg/kg | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Manganese | mg/kg | Total | Actual | | | | | 243.2 | EPA 200.9 |
| | Solids, Total | % | | Actual | | | | | SOLIDS | % SOLIDS |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|----------|--------|-----------|--------------|---------|
| ORGS0194 | Sediment organics January 1994 | Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | 4-Chloro-3-methylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenol-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dichlorophenol | ppb | Total | Actual | | | | | | MS+ECD |

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 2,4-Dimethylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitrophenol, 2,4- | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitro-o-cresol | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrophenol, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | p-Nitrophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Pentachlorophenol (PCP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4,6-Trichlorophenol (TCPh) | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|---------------------|----------|--------|-----------|--------------|---------|
| ORGS0195 | Sediment organics | January 1995 Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Pentachlorophenol (PCP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4,6-Trichlorophenol (TCPh) | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | 4-Chloro-3-methylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenol-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dichlorophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dimethylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitrophenol, 2,4- | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitro-o-cresol | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrophenol, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | p-Nitrophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|----------|--------|-----------|--------------|---------|
| ORGS0595 | Sediment organics May 1995 | Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|---------------------|----------|--------|-----------|--------------|---------|
| ORGS1094 | Sediment organics | October 1994 Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |

Characteristic Group Details

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Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|----------|--------|-----------|--------------|---------|
| ORGS1995 | Sediment organics 1995 | Sample | Sediment | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | DDE ***retired*** (use DDE, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|----------|--------|-----------|--------------|---------|
| ORGS1996 | Sediment organics 1996 | Sample | Sediment | | | | N |

Description Sediment extractable organic parameters for 1996

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| (B)ANTHR | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| 2,4-DNT | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| 2,6-DNT | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| 2-NITROP | Nitrophenol, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| A-CHLORD | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| ACENAP | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| ACENAPY | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| ALDRIN | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALPH-BHC | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| ANTHR | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| B(B)F | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| BBP | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| BENZO(G) | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| BENZO(K) | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| BETA-BHC | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| BP | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| C12H9CLO | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| CHLORDAN | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| CHRYSENE | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| DBA | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| DBP | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DCEE | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| DCIP | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| DCP | 2,4-Dichlorophenol | ppb | Total | Actual | | | | | | MS+ECD |
| DEHP | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| DELT-BHC | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| DEP | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DIELDRIN | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| DMN | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| DMP | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DNC | Dinitro-o-cresol | ppb | Total | Actual | | | | | | MS+ECD |
| DNOP | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DPN | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| ENDOSUL1 | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ENDOSUL2 | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| ENDRIN | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| ESS | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| FLUORANT | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| FLUORENE | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| G-CHLORD | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| GAMM-BHC | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| HCB | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| HCBD | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| HCCPD | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| HCE | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| HEPTACHL | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| IP | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| ISOFORON | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| NAPHTHAL | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| NB | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| NDPA | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| P,P-DDD | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| P,P-DDE | DDE ***retired*** (use DDE, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| P,P-DDT | DDT ***retired*** (use DDT, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| PCB 1016 | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB 1232 | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB 1248 | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB 1254 | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB 1260 | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PCB 1262 | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| PHENANTH | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| PHENOL | Phenol | ppb | Total | Actual | | | | | | MS+ECD |
| PYRENE | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| RCRA U247 | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAP048 | Dinitrophenol, 2,4- | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU024 | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU030 | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU039 | 4-Chloro-3-methylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU047 | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU048 | Chlorophenol-2 | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU101 | 2,4-Dimethylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU131 | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU170 | p-Nitrophenol | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU231 | 2,4,6-Trichlorophenol (TCPH) | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU242 | Pentachlorophenol (PCP) | ppb | Total | Actual | | | | | | MS+ECD |
| SD 7442 | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| SD2614 | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| TOXAPHEN | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| UN2321 | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|---|----------|--------|-----------|--------------|---------|
| ORGS1997 | Sediment organics 1997 | Sample | Sediment | | | | N |
| Description | | Sediment extractable organic parameters for 1997. | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Dinitro-o-cresol | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrophenol, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | p-Nitrophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Pentachlorophenol (PCP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dichlorophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dimethylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitrophenol, 2,4- | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | 4-Chloro-3-methylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenol-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | m-Nitroaniline | ppb | Total | Actual | | | | | | MS+ECD |
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | p-Nitroaniline | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4,6-Trichlorophenol (TCPh) | ppb | Total | Actual | | | | | | MS+ECD |
| | Trichlorophenol, 2,4,5- | ppb | Total | Actual | | | | | | MS+ECD |
| | Cresol, o- | ppb | Total | Actual | | | | | | MS+ECD |
| | Cresol, m- | ppb | Total | Actual | | | | | | MS+ECD |
| | Cresol, p- | ppb | Total | Actual | | | | | | MS+ECD |
| | Methylnaphthalene, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzoic acid | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzyl alcohol | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloroaniline, 4- | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzofuran | ppb | Total | Actual | | | | | | MS+ECD |
| | Dichlorobenzidine, 3,3'- | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitroaniline, 2- | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---|----------------|----------|--------|-----------|--------------|---------|
| ORGS2001 | Sediment organics 2001 | Sample | Sediment | | | | N |
| | Description Organic sediment parameters for 2001 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| (B)ANTHR | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| 2,4-DNT | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| 2,6-DNT | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| 2-NITROA | Nitroaniline, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| 2-NITROP | Nitrophenol, 2- | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 3-NITROA | m-Nitroaniline | ppb | Total | Actual | | | | | | MS+ECD |
| 4-NITROA | p-Nitroaniline | ppb | Total | Actual | | | | | | MS+ECD |
| A-CHLORD | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| ACENAP | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| ACENAPY | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| ACETOPHE | Acetophenone | ppb | Total | Actual | | | | | | MS+ECD |
| ALDRIN | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| ALPH-BHC | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| ANTHR | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| B(B)F | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| BBP | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| BENZALDE | Benzaldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| BENZO(G) | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| BENZO(K) | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| BETA-BHC | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| BIPHENYL | Biphenyl | ppb | Total | Actual | | | | | | MS+ECD |
| BP | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| C11H10 | Methylnaphthalene, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| C12H9CLO | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| CAPROLAC | Caprolactam | ppb | Total | Actual | | | | | | MS+ECD |
| CARBAZOL | Carbazole | ppb | Total | Actual | | | | | | MS+ECD |
| CHLORDAN | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |
| CHRYSENE | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| DBA | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| DBF | Dibenzofuran | ppb | Total | Actual | | | | | | MS+ECD |
| DBP | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DCB | Dichlorobenzidine, 3,3'- | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DCEE | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| DCIP | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| DCP | 2,4-Dichlorophenol | ppb | Total | Actual | | | | | | MS+ECD |
| DEHP | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| DELTA-BHC | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| DEP | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DIELDRIN | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| DMP | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DNC | Dinitro-o-cresol | ppb | Total | Actual | | | | | | MS+ECD |
| DNOP | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| DPN | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| ENDOSUL1 | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| ENDOSUL2 | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| ENDRIN | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| ESS | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| FLUORANT | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| FLUORENE | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| G-CHLORD | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| GAMM-BHC | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| HCB | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| HCBD | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| HCCPD | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| HCE | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| HEPTACHL | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| IP | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| ISOFORON | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| M-CRESOL | Cresol, m- | ppb | Total | Actual | | | | | | MS+ECD |
| NAPHTHAL | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| NB | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| NDPA | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| O-CRESOL | Cresol, o- | ppb | Total | Actual | | | | | | MS+ECD |
| P,P-DDD | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| P,P-DDE | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| P,P-DDT | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| P-CRESOL | Cresol, p- | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1016 | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1221 | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1232 | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1248 | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1254 | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1260 | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| PCB1262 | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| PHENANTH | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| PHENOL | Phenol | ppb | Total | Actual | | | | | | MS+ECD |
| PYRENE | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAP024 | Chloroaniline, 4- | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAP048 | Dinitrophenol, 2,4- | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU024 | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU030 | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU039 | 4-Chloro-3-methylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU047 | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| RCRAU048 | Chlorophenol-2 | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU101 | 2,4-Dimethylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU131 | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU170 | p-Nitrophenol | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU230 | Trichlorophenol, 2,4,5- | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU231 | 2,4,6-Trichlorophenol (TCPH) | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU242 | Pentachlorophenol (PCP) | ppb | Total | Actual | | | | | | MS+ECD |
| RCRAU247 | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| SD2614 | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| SD7442 | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| TOXAPHEN | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------------------|---|----------|--------|-----------|--------------|---------|
| ORGS2002 | Sediment organics 2002 | Sample | Sediment | | | | N |
| Description | | Sediment extractable organic parameters for 2002. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acetophenone | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzaldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloronaphthalene-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | 4-Chloro-3-methylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlorophenol-2 | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dichlorophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dimethylphenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitrophenol, 2,4- | ppb | Total | Actual | | | | | | MS+ECD |
| | Dinitro-o-cresol | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrophenol, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | p-Nitrophenol | ppb | Total | Actual | | | | | | MS+ECD |
| | Pentachlorophenol (PCP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenol | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4,6-Trichlorophenol (TCP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Trichlorophenol, 2,4,5- | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyridine | ppb | Total | Actual | | | | | | MS+ECD |
| | Cresol, o- | ppb | Total | Actual | | | | | | MS+ECD |
| | Cresol, m- | ppb | Total | Actual | | | | | | MS+ECD |
| | Cresol, p- | ppb | Total | Actual | | | | | | MS+ECD |
| | Methylnaphthalene, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | Chloroaniline, 4- | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzofuran | ppb | Total | Actual | | | | | | MS+ECD |
| | Dichlorobenzidine, 3,3'- | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitroaniline, 2- | ppb | Total | Actual | | | | | | MS+ECD |
| | m-Nitroaniline | ppb | Total | Actual | | | | | | MS+ECD |
| | p-Nitroaniline | ppb | Total | Actual | | | | | | MS+ECD |
| | Aldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Biphenyl | ppb | Total | Actual | | | | | | MS+ECD |
| | Caprolactam | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-alpha | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-beta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-delta | ppb | Total | Actual | | | | | | MS+ECD |
| | BHC-gamma (Lindane) | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, cis | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane, gamma | ppb | Total | Actual | | | | | | MS+ECD |
| | Chlordane | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | DDD ***retired*** (use DDD, p,p') | ppb | Total | Actual | | | | | | MS+ECD |
| | DDE ***retired*** (use DDE, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | DDT ***retired*** (use DDT, p,p'-) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dieldrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, alpha- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan, beta- | ppb | Total | Actual | | | | | | MS+ECD |
| | Endosulfan Sulfate | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin Aldehyde | ppb | Total | Actual | | | | | | MS+ECD |
| | Endrin ketone | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Heptachlor epoxide | ppb | Total | Actual | | | | | | MS+ECD |
| | Toxaphene | ppb | Total | Actual | | | | | | MS+ECD |
| | Methoxychlor | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1016/1242 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1221 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1232 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1248 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1254 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1260 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pcb-aroclor 1262 | ppb | Total | Actual | | | | | | MS+ECD |
| | Carbazole | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobutadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachloroethane | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | 1,2,4-Trichlorobenzene | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodiphenylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | n-Nitrosodipropylamine | ppb | Total | Actual | | | | | | MS+ECD |
| | Isophorone | ppb | Total | Actual | | | | | | MS+ECD |
| | nitro-Benzene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,4-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | 2,6-Dinitrotoluene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Acenaphthylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[a]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[b]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[g,h,i]perylene | ppb | Total | Actual | | | | | | MS+ECD |
| | Benzo[k]fluoranthene | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibenzo[a,h]anthracene | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluoranthenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Fluorenes, C1-C3 | ppb | Total | Actual | | | | | | MS+ECD |
| | Indeno[1,2,3-cd]pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Naphthalene | ppb | Total | Actual | | | | | | MS+ECD |
| | Phenanthrenes, C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | Pyrene | ppb | Total | Actual | | | | | | MS+ECD |
| | Chrysenes C1-C4 | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-chloroethoxy) methane | ppb | Total | Actual | | | | | | MS+ECD |
| | Bis(2-Chloroisopropyl) ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Bromophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chlorophenyl-4 phenyl ether | ppb | Total | Actual | | | | | | MS+ECD |
| | Hexachlorocyclopentadiene | ppb | Total | Actual | | | | | | MS+ECD |
| | Nitrosodimethylamine, n- | ppb | Total | Actual | | | | | | MS+ECD |
| | Butyl benzyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(2-ethylhexyl) phthalate (DEHP) | ppb | Total | Actual | | | | | | MS+ECD |
| | Dibutyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | bis(n-octyl) Phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Diethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |
| | Dimethyl phthalate | ppb | Total | Actual | | | | | | MS+ECD |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|--|----------|--------|-----------|--------------|---------|
| PARTICLE | particle size | Sample | Sediment | | | | N |
| | Citations | Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __ | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|------|-----------------|------------|----------------------------|--------------|----------------|------------|---------------------|----------------------------|
| | Particle distribution | % | | Actual | | | | | | |
| | | | | | Particle Size Basis | | SAND | | | |
| | Particle distribution | % | | Actual | | | | | | |
| | | | | | Particle Size Basis | | GRAVEL | | | |
| | Particle distribution | % | | Actual | | | | | | |
| | | | | | Particle Size Basis | | SILT | | | |
| | Particle distribution | % | | Actual | | | | | | |
| | | | | | Particle Size Basis | | CLAY | | | |

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| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| RADS1994 | Sediment radiological 1994 | Sample | Sediment | | | | N |

Description Sediment radiological parameters for 1994

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AC-228 | Actinium-228 | pCi/g | Total | Actual | | | | | | R.6 |
| ALPHA | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/g | Total | Actual | | | | | | R.1.3 |
| BETA | Gross beta radioactivity, (Cesium-137 ref std) | pCi/g | Total | Actual | | | | | | R.1.3 |
| BI-212 | Bismuth-212 | pCi/g | Total | Actual | | | | | | R.6 |
| BI-214 | Bismuth-214 | pCi/g | Total | Actual | | | | | | R.6 |
| CO-60 | Cobalt-60 | pCi/g | Total | Actual | | | | | | R.6 |
| CS-137 | Cesium-137 | pCi/g | Total | Actual | | | | | | R.6 |
| K-40 | Potassium-40 | pCi/g | Total | Actual | | | | | | R.6 |
| PB-212 | Lead-212 | pCi/g | Total | Actual | | | | | | R.6 |
| PB-214 | Lead-214 | pCi/g | Total | Actual | | | | | | R.6 |
| SR-89 | Strontium-89 | pCi/g | Total | Actual | | | | | | R.6 |
| SR-90 | Strontium-90 | pCi/g | Total | Actual | | | | | | R.6 |
| THORIUM | Thorium | pCi/g | Total | Actual | | | | | | R.6 |
| TL-208 | Thallium | pCi/g | Total | Actual | | | | | | R.6 |
| URANIUM | Uranium | pCi/g | Total | Actual | | | | | | R.6 |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| RADS1995 | Sediment radiological 1995 | Sample | Sediment | | | | N |

Citations Tennessee Department of Health Laboratory Services, 1999, Standard Operating Procedures, Tennessee Department of Health Laboratory Services, Vol. __

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AC-228 | Actinium-228 | pCi/g | Total | Actual | | | | | | R.6 |
| ALPHA | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/g | Total | Actual | | | | | | R.1.3 |
| BE-7 | Beryllium-7 | pCi/g | Total | Actual | | | | | | R.6 |
| BETA | Gross beta radioactivity, (Cesium-137 ref std) | pCi/g | Total | Actual | | | | | | R.1.3 |
| BI-212 | Bismuth-212 | pCi/g | Total | Actual | | | | | | R.6 |
| BI-214 | Bismuth-214 | pCi/g | Total | Actual | | | | | | R.6 |
| CO-60 | Cobalt-60 | pCi/g | Total | Actual | | | | | | R.6 |
| CS-137 | Cesium-137 | pCi/g | Total | Actual | | | | | | R.6 |
| K-40 | Potassium-40 | pCi/g | Total | Actual | | | | | | R.6 |
| PB-212 | Lead-212 | pCi/g | Total | Actual | | | | | | R.6 |
| PB-214 | Lead-214 | pCi/g | Total | Actual | | | | | | R.6 |
| TL-208 | Thallium | pCi/g | Total | Actual | | | | | | R.6 |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|-------------------------------|------------------------------------|--------|--------|-----------|--------------|---------|
| SW2002 | Surface Water Parameters 2002 | Sample | Water | | | | N |
| Description | | Surface water parameters for 2002. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | A.18.1 |
| | Acceptable Range | 0.00000 - 0.25000 mg/l | | | | | | | | |
| | Iron | ug/l | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Acceptable Range | 0.00000 - 2,000.00000 ug/l | | | | | | | | |
| | Zinc | ug/l | Total | Actual | | | | | | EPA 289.1 |
| | Acceptable Range | 0.00000 - 75.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Manganese | ug/l | Total | Actual | | | | | 243.2 | EPA 243.1 |
| | Acceptable Range | 0.00000 - 2,000.00000 ug/l | | | | | | | | |
| | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 410.4 | A.6 |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| | Mercury | ug/l | Total | Actual | | | | | 245.1 | EPA 245.1 |
| | Acceptable Range | 0.00000 - 2.00000 ug/l | | | | | | | | |
| | Arsenic | ug/l | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 20.00000 ug/l | | | | | | | | |
| | Cadmium | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 5.00000 ug/l | | | | | | | | |
| | Copper | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 250.00000 ug/l | | | | | | | | |
| | Lead | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 25.00000 ug/l | | | | | | | | |
| | Chromium | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 8.00000 ug/l | | | | | | | | |
| | Phosphate | mg/l | Total | Actual | | | | | | A.18.9.1 |
| | Acceptable Range | 0.00000 - 1.00000 mg/l | | | | | | | | |
| | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | A.18.8 |
| | Acceptable Range | 0.00000 - 1.00000 mg/l | | | | | | | | |
| | Hardness, carbonate | mg/l | Total | Actual | | | | | | A.12 |
| | Acceptable Range | 40.00000 - 300.00000 mg/l | | | | | | | | |
| | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | A.18.4 |
| | Acceptable Range | 0.00000 - 2.50000 mg/l | | | | | | | | |
| | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.1 | |
| | Acceptable Range | 3.00000 - 13.00000 mg/l | | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 2.00000 - 35.00000 deg C | | | | | | | | |
| | pH | None | | Actual | | | | | 150.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 6.00000 - 9.50000 None | | | | | | | | |
| | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| | Acceptable Range | 100.00000 - 500.00000 uS/cm | | | | | | | | |
| | Escherichia coli | #/100ml | | Actual | | | | | | SM 9000 |
| | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | SM 9000 |
| | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | A.24.2 |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | A.24.3 |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| WATER | Ambient Surface Water | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AG | Silver | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 1.00000 ug/l | | | | | | | | |
| AL | Aluminum | ug/l | Total | Actual | | | | | 202.1 | EPA 202.1 |
| | Acceptable Range | 0.00000 - 1,500.00000 ug/l | | | | | | | | |
| AMMONIA | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | | A.18.1 |
| | Acceptable Range | 0.00000 - 0.25000 mg/l | | | | | | | | |
| AS | Arsenic | ug/l | Total | Actual | | | | | 206.2 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 20.00000 ug/l | | | | | | | | |
| BOD | BOD, Biochemical oxygen demand | mg/l | | Actual | | | | | 5210-B | A.2 |
| | Acceptable Range | 0.00000 - 5.00000 mg/l | | | | | | | | |
| CD | Cadmium | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 5.00000 ug/l | | | | | | | | |
| COD | COD ***retired*** (use COD, | mg/l | | Actual | | | | | 410.4 | A.6 |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Chemical Oxygen Demand) | | | | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| CONDUCT | Specific conductance | uS/cm | | Actual | | | | | 120.1 | |
| | Acceptable Range | 100.00000 - 500.00000 uS/cm | | | | | | | | |
| CR | Chromium | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 8.00000 ug/l | | | | | | | | |
| CU | Copper | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 250.00000 ug/l | | | | | | | | |
| CYANIDE | Cyanide | mg/l | Total | Actual | | | | | 335.2 | A.9 |
| | Acceptable Range | 0.00000 - 1.00000 mg/l | | | | | | | | |
| DO | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | 360.1 | |
| | Acceptable Range | 3.00000 - 13.00000 mg/l | | | | | | | | |
| E. COLI | Escherichia coli | #/100ml | | Actual | | | | | | SM 9000 |
| ENTERO | Enterococcus Group Bacteria | #/100ml | | Actual | | | | | | SM 9000 |
| FE | Iron | ug/l | Total | Actual | | | | | 200.9 | EPA 236.1 |
| | Acceptable Range | 0.00000 - 2,000.00000 ug/l | | | | | | | | |
| FEC_COLI | Fecal Coliform | #/100ml | | Actual | | | | | 9222-D | SM 9222-D |
| FEC_STRE | Fecal Streptococcus Group Bacteria | #/100ml | | Actual | | | | | 9223-B | SM 9230-B |
| | Acceptable Range | 0.00000 - 10,000.00000 #/100ml | | | | | | | | |
| HARDNESS | Hardness, carbonate | mg/l | Total | Actual | | | | | | A.12 |
| | Acceptable Range | 40.00000 - 300.00000 mg/l | | | | | | | | |
| HG | Mercury | ug/l | Total | Actual | | | | | 245.1 | EPA 245.1 |
| | Acceptable Range | 0.00000 - 2.00000 ug/l | | | | | | | | |
| KJELDAHL | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | A.18.8 |
| | Acceptable Range | 0.00000 - 1.00000 mg/l | | | | | | | | |
| MN | Manganese | ug/l | Total | Actual | | | | | 243.2 | EPA 243.1 |
| | Acceptable Range | 0.00000 - 2,000.00000 ug/l | | | | | | | | |
| NI | Nickel | ug/l | Total | Actual | | | | | 249.2 | EPA 249.2 |
| | Acceptable Range | 0.00000 - 15.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NO3_NO2 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | | A.18.4 |
| | Acceptable Range | 0.00000 - 2.50000 mg/l | | | | | | | | |
| PB | Lead | ug/l | Total | Actual | | | | | 200.9 | EPA 200.9 |
| | Acceptable Range | 0.00000 - 25.00000 ug/l | | | | | | | | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| | Acceptable Range | 6.00000 - 9.50000 None | | | | | | | | |
| PHOSPH | Phosphate | mg/l | Total | Actual | | | | | | A.18.9.1 |
| | Acceptable Range | 0.00000 - 1.00000 mg/l | | | | | | | | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | | | 160.1 | A.24.3 |
| | Acceptable Range | 0.00000 - 300.00000 mg/l | | | | | | | | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| | Acceptable Range | 2.00000 - 35.00000 deg C | | | | | | | | |
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | A.24.2 |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| ZN | Zinc | ug/l | Total | Actual | | | | | | EPA 289.1 |
| | Acceptable Range | 0.00000 - 75.00000 ug/l | | | | | | | | |

Characteristic Group Details

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TDECWPC

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|------------------|---|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHEM | LAB PARAMETERS | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A COLOR | Color, True | PCU | | Actual | | | | | 110.2 | |
| ACIDITY | Acidity as CaCO3 | mg/l | Total | Actual | | | | | 2310 | |
| ALUMINUM | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| AMM N | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 350.1 | |
| ANTIMONY | Antimony | ug/l | Total | Actual | | | | | 3113-B | |
| ARSENIC | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | 200.2-M |
| BARIUM | Barium | mg/l | Total | Actual | | | | | 200.7(W) | |
| BOD | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| BOD20 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| BOD_5 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | | | 5210-B | |
| CADMIUM | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| CAL | Calcium | mg/l | Total | Actual | | | | | 3500-CA(B) | |
| CALCIUM HARDNESS | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 2340 | |
| CBOD | BOD, carbonaceous | mg/l | Total | Actual | | | | | 5210-B | |
| CHLOR | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| CHLOROPHYLL A | Chlorophyll a, corrected for pheophytin | ug/l | | Actual | | | | | 445 | |
| CHROM HEXA | Chromium, hexavalent | ug/l | Total | Actual | | | | | 218.4 | |
| COBALT | Cobalt | mg/l | Total | Actual | | | | | 200.7(W) | |
| COD | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | 5220-D | |
| COPPER | Copper | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------|--|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CYANIDE | Cyanide Acceptable Range | ug/l 0.00000 - 0.05000 | Total ug/l | Actual | | | | | 4500-CN(E) | |
| DIS ARSE | Arsenic | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS CADM | Cadmium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS CHRO | Chromium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS COPP | Copper | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS IRON | Iron | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS LEAD | Lead | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS MANG | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS NIC | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DIS ZINC | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| DISS RES | Solids, Fixed | mg/l | Dissolved | Actual | | | | | 2540-C | |
| DO | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | 1DO | |
| E COLI | Escherichia | CFU | | Actual | | | | | 9223-B | |
| E COLI-DILU | Escherichia coli | cfu/100ml | | Actual | | | | | 9223-B | |
| FEC COL | Fecal Coliform | cfu/100ml | Total | Actual | | | | | 9222-D | 200.2 |
| FLOW | Flow | cfs | | Actual | | | | | 1FLOW | |
| IRON | Iron | ug/l | Total | Actual | | | | | 200.7(W) | |
| LEAD | Lead | ug/l | Total | Actual | | | | | 200.7(W) | |
| MANGANES | Manganese | ug/l | Total | Actual | | | | | 200.7(W) | |
| MANGNESI | Magnesium | ug/l | Total | Actual | | | | | 200.7(W) | |
| MERCURY | Mercury | ug/l | Total | Actual | | | | | 245.1 | |
| N02_3 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 4500-NO3(F) | |
| NICKEL | Nickel | ug/l | Total | Actual | | | | | 200.7(W) | |
| NITRATE | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 4500-NO3(F) | |
| NITRITE | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 4500-NO3(F) | |
| O/G | Oil and Grease | mg/l | Total | Actual | | | | | 5520-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------|------------------------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH | pH | None | | Actual | | | | | 1PH | |
| PHOSPHAT | Phosphate | mg/l | Total | Actual | | | | | 4500-P-F | |
| PHOS_ORT | Phosphorus, orthophosphate as PO4 | mg/l | Total | Actual | | | | | 4500-P-F | |
| POTASSIUM | Potassium | mg/l | Total | Actual | | | | | 200.7(W) | |
| RESIDUE | Solids, Fixed | mg/l | Total | Actual | | | | | 2540-B | |
| SELENIUM | Selenium | ug/l | Total | Actual | | | | | 200.7(W) | |
| SETT RES | Solids, Fixed | mg/l | Settleable | Actual | | | | | 2540-F | |
| SILVER | Silver | ug/l | Total | Actual | | | | | 272.2 | |
| SODIUM | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |
| SOLIDS | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 2540-B | |
| SOLIDS TOTAL | Solids, Total | mg/l | Total | Actual | | | | | 2540-B | |
| SP_COND | Specific conductance | umho/cm | | Actual | | | | | 1CONDUCTIVITY | |
| STRE_FEC | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9223-B | |
| SULFATE | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.4 | |
| SUS RES | Solids, Fixed Suspended | mg/l | Suspended | Actual | | | | | 2540-D | |
| SUSPENDED | Solids, Fixed Suspended | mg/l | Suspended | Actual | | | | | 2540-D | |
| T COLOR | Color, True | PCU | | Actual | | | | | 110.2 | |
| TB | Turbidity | NTU | | Actual | | | | | 2130 | |
| TEMP | Temperature, water | deg C | | Actual | | | | | 1TEMPERATURE | |
| TOC | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |
| TOT ALK | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| TOT CHRO | Chromium | ug/l | Total | Actual | | | | | 200.7(W) | |
| TOT COL | Coliform/Strep Ratio, Fecal | None | Total | Actual | | | | | 9223-B | |
| TOT HRD | Hardness, carbonate | mg/l | Total | Actual | | | | | 2340 | |

Characteristic Group Details

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TDECWPC

Tennessee Department of Environment and Conservation

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------------------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TOT KN | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.1 | |
| TOT ORN | Nitrogen, organic | mg/l | Total | Actual | | | | | 351.2 | |
| TOT PHOS | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-F | |
| TOTAL SUSPENDED SOLI | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | | | 2540-D | |
| ZINC | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| KLAB | K LAB PARAMETERS | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ARSENIC | Arsenic | ug/l | Total | Actual | | | | | 200.9 | |
| CADMIUM | Cadmium | ug/l | Total | Actual | | | | | 200.9 | |
| CHROMIUM | Chromium | ug/l | Total | Actual | | | | | 200.9 | |
| COPPER | Copper | ug/l | Total | Actual | | | | | 200.9 | |
| LEAD | Lead | ug/l | Total | Actual | | | | | 200.9 | |
| NICKEL | Nickel | ug/l | Total | Actual | | | | | 200 | |

Characteristic Group Details

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TSWQC

Tri-State Water Quality Council (EPA Region 8)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| HABITAT | General Habitat Assessment | Field Msr/Obs | | | | | Y |

Characteristic Group Details

December 14, 2007 09:29:52

UDWC

Upper Deschutes Watershed Council (Oregon)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| CT | Continuous Temperature | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | | |

Characteristic Group Details

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USFS0614

Umatilla National Forest (Washington and Oregon)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| GRAB | District Grab Samples | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|---------|-----------------|------------|----------------|-------------------------|----------------|--------------|---------------------|----------------------------|
| 1 | Temperature, air | deg F | | Actual | | | | | 2550 | |
| 10 | Specific conductance | uS/cm | | Actual | | | | | 2510 | |
| 11 | Solids, Dissolved | mg/l | | Estimated | | | | | 2510 | |
| 12 | Turbidity | NTU | | Actual | | | | | 2130 | |
| 13 | Total Coliform | #/100ml | | Calculated | | | | | 9222 B | |
| 14 | Escherichia coli | #/100ml | | Calculated | | | | | 9222 B | |
| 15 | Fecal Coliform | #/100ml | | Calculated | | | | | 9222-D | |
| 2 | Temperature, water | deg F | | Actual | | | | | 2550 | |
| 3 | Temperature, air | deg C | | Actual | | | | | 2550 | |
| 4 | Temperature, water | deg C | | Actual | | | | | 2550 | |
| 5 | pH | None | | Actual | | | | | 4500-H | |
| 6 | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 8229 | |
| 7 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | | Actual | | | | | 8171 | |
| 8 | Iron | mg/l | Total | Actual | | | | | 8008 | |
| 9 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Dry Particle Size Basis | | AP Prefilter | 2540-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| ISCO | ISCO Composite sample | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------|-----------------|------------|----------------|-------------------------|----------------|--------------|---------------------|----------------------------|
| 1 | Solids, Total Suspended (TSS) | mg/l | | Actual | | Dry Particle Size Basis | | AP prefilter | 2540-D | |
| 2 | Specific conductance | uS/cm | | Actual | | | | 25 Deg C | 2510 | |

Characteristic Group Details

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USFS0614

Umatilla National Forest (Washington and Oregon)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 3 | Solids, Dissolved | mg/l | | Estimated | | | | 25 Deg C | 2510 | |
| 4 | Turbidity | NTU | | Actual | | | | | 2130 | |

Characteristic Group Details

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USFWS-NM

New Mexico Ecological Services Field Office (New Mexico)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| USFWS-NM | Water Chemistry-metals | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| | Alkalinity, Carbonate as CaCO3 | | Total | Actual | | | | | | |
| | Bicarbonate | | Total | Actual | | | | | | |
| | Doxepin | ng/l | Dissolved | Actual | | | | | | |
| | Equilin | ng/l | Dissolved | Actual | | | | | | |
| | Imipramine | ng/l | Dissolved | Actual | | | | | | |
| | Hydroxymethylprogesterone | ng/l | Dissolved | Actual | | | | | | |
| | Norethindrone | | Dissolved | Actual | | | | | | |
| | Norethynodrel | ng/l | Dissolved | Actual | | | | | | |
| | Paroxetine | ng/l | Dissolved | Actual | | | | | | |
| | Phenytoin | ng/l | Dissolved | Actual | | | | | | |
| | Prednisone | ng/l | Dissolved | Actual | | | | | | |
| | Progesterone | ng/l | Dissolved | Actual | | | | | | |
| | Darvon | ng/l | Dissolved | Actual | | | | | | |
| | Tamoxifen | ng/l | Dissolved | Actual | | | | | | |
| | Methylprednisolone | ng/l | Dissolved | Actual | | | | | | |
| | Hardness, carbonate | mg/l | Dissolved | Actual | | | | | | |
| | Megestrol acetate | | | | | | | | | |
| | Azinphos-methyl | | | | | | | | | |
| | Thionazin | | | | | | | | | |
| | Fluorene | | | | | | | | | |
| | Amitriptyline | | | | | | | | | |
| | Desipramine | | | | | | | | | |
| | Octamethylcyclotetrasiloxane | | | | | | | | | |
| | Sertraline | | | | | | | | | |
| | Protriptyline | | | | | | | | | |

Characteristic Group Details

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USFWS-NM

New Mexico Ecological Services Field Office (New Mexico)

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Mestranol | | | | | | | | | |
| | Ethinyl estradiol | | | | | | | | | |
| | Alkalinity, Carbonate as CaCO3 | | | | | | | | | |
| | Bicarbonate | | | | | | | | | |
| | Indeno[1,2,3-cd]pyrene | | | | | | | | | |
| | Carbonate ion (CO3-2) | | | | | | | | | |
| | COD, Chemical Oxygen Demand | | | | | | | | | |
| | Dibenzo[a,h]anthracene | | | | | | | | | |

Characteristic Group Details

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USVIST

Government US Virgin Islands

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| CSWL | Fecal and Turbidity | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | #/100ml | Total | Calculated | Mean | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 300.00000 #/100ml | | | | | | | | |
| | Turbidity | NTU | | Actual | | | | | 2130 | 9230-C-2 |
| | Acceptable Range | 0.00000 - 45.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| CSWL2 | Enterococci and Turbidity | Sample | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Enterococcus Group Bacteria | #/100ml | Total | Calculated | Mean | | | | 1106_1 | 9230-C-2 |
| | Acceptable Range | 0.00000 - 300.00000 #/100ml | | | | | | | | |
| | Turbidity | NTU | | Actual | | | | | 2130 | |
| | Acceptable Range | 0.00000 - 45.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| ECOLI | Fecal Coliform / E. coli | Sample | Water | | | | N |

Citations Division of Environmental Protection, 2000, Standard Operating Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| BOD | BOD, Biochemical oxygen demand | ml/l | Total | Actual | | | 5 Day | 20 Deg C | 405.1 | |

Characteristic Group Details

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COLIFORM | Fecal Coliform Acceptable Range | #/100ml | Total | Calculated | Mean | | | | 9222-D | |
| ECOLI | Escherichia coli Acceptable Range | #/100ml | Total | Calculated | Mean | | | | | |
| ENTERO | Enterococcus Group Bacteria Acceptable Range | #/100ml | Total | Calculated | Mean | | | | 1106_1 | 9230-C-2 |
| PH | pH Acceptable Range | None | Total | Actual | | | | | 4500-H | |
| TKN | Nitrogen, Kjeldahl Acceptable Range | mg/l | Total | Actual | Mean | | | | 351.2 | |
| TP | Phosphorus Acceptable Range | mg/l | Total | Actual | Mean | | | | 365.4 | |
| TURBID | Turbidity Acceptable Range | NTU | | Actual | | | | | 2130 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|------------|--|--------|--------|-----------|--------------|---------|
| FEEKS | Just Fecal | Sample | Water | | | | N |
| Description | | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform Acceptable Range | #/100ml | Total | Calculated | Mean | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------------|---|--------|--------|-----------|--------------|---------|
| FIELD | Station Field Measurements | Field Msr/Obs | Water | | | | N |
| Citations | | Division of Environmental Protection, 2000, Standard Operating Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages | | | | | |

Characteristic Group Details

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USVIST

Government US Virgin Islands

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORINE | Chlorine | ml/l | Total Residual | Actual | | | | | | |
| DEPTHB | Depth, bottom | m | | Actual | | | | | | |
| DEPTHS | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| DO | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 12.00000 ml/l | | | | | | | | |
| PH | pH | None | Total | Actual | | | | | 4500-H | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| SALINITY | Salinity | ppt | Total | Actual | | | | | SALINITY | |
| TEMP | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 32.00000 deg C | | | | | | | | |
| TURBID | Turbidity | NTU | | Actual | | | | | 2130 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD2 | ambient with bottom | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Salinity | ppt | Total | Actual | | | | | SALINITY | |
| | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 12.00000 ml/l | | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 32.00000 deg C | | | | | | | | |
| | Depth, bottom | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD3 | ambient with secchi | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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USVIST

Government US Virgin Islands

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Salinity | ppt | Total | Actual | | | | | SALINITY | |
| | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 12.00000 ml/l | | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 32.00000 deg C | | | | | | | | |
| | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD4 | bottom and turbidity | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| | Salinity | ppt | Total | Actual | | | | | SALINITY | |
| | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 12.00000 ml/l | | | | | | | | |
| | Depth, bottom | m | | Actual | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 32.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FIELD5 | secchi and salinity | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

Characteristic Group Details

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USVIST

Government US Virgin Islands

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| | Salinity | ppt | Total | Actual | | | | | SALINITY | |
| | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 12.00000 | ml/l | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 32.00000 | deg C | | | | | | | |
| | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| JB | just bottom | Field Msr/Obs | Water | | | | N |
| | Description | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Depth, bottom | m | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| JS | Just secchi | Field Msr/Obs | Water | | | | N |
| | Description | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| NEW1 | New probe, new data | Field Msr/Obs | Water | | | | N |

Characteristic Group Details

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USVIST

Government US Virgin Islands

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| | Salinity | ppt | Total | Actual | | | | | SALINITY | |
| | Dissolved oxygen (DO) | ml/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 12.00000 ml/l | | | | | | | | |
| | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 32.00000 deg C | | | | | | | | |
| | Depth, bottom | m | | Actual | | | | | | |
| | Depth, Secchi Disk Depth | m | | Actual | | | | | SECCHI | |
| | Turbidity | NTU | | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|---|--------|--------|-----------|--------------|---------|
| TSS | Total Suspended Solids | Sample | Water | | | | N |
| | Citations | Division of Environmental Protection, 2000, Standard Operating Procedures for Ambient Monitoring, Division of Environmental Protection, 4 pages | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TSS | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 2540-D | |
| | Acceptable Range | 0.00000 - 35.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|--|--------|--------|-----------|--------------|---------|
| WAPA | WAPA Lab Report | Sample | Water | | | | N |
| | Description | This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate. | | | | | |

Characteristic Group Details

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USVIST

Government US Virgin Islands

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Fecal Coliform | #/100ml | Total | Calculated | Mean | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 300.00000 | #/100ml | | | | | | | |
| | pH | None | Total | Actual | | | | | 4500-H | |
| | Acceptable Range | 0.00000 - 14.00000 | None | | | | | | | |
| | Turbidity | NTU | | Actual | | | | | 2130 | 9230-C-2 |
| | Acceptable Range | 0.00000 - 45.00000 | NTU | | | | | | | |

Characteristic Group Details

December 14, 2007 09:29:52

UTAHDWQ

Utah Department Of Environmental Quality

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 10-1 | 200.7 METALS DISSOLVED | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 109 | Vanadium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 127 | Thallium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 130 | Antimony Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 29 | Arsenic Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 30 | Barium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 31 | Boron Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 33 | Calcium Acceptable Range | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 34 | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 35 | Copper Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 36 | Iron Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 37 | Lead Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 38 | Magnesium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 39 | Manganese | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 41 | Potassium | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 44 | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 45 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 59 | Hardness, Ca + Mg | mg/l | Dissolved | Calculated | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 mg/l | | | | | | | | |
| 88 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 10-19 | 200.7 Metals Dissolved Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 109 | Vanadium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 127 | Thallium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 130 | Antimony Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 29 | Arsenic Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 30 | Barium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 31 | Boron Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 33 | Calcium Acceptable Range | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 34 | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 35 | Copper Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 36 | Iron Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 37 | Lead Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 38 | Magnesium Acceptable Range | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| 39 | Manganese Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| 40 | Nickel | ug/l | Dissolved | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 41 | Potassium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 44 | Sodium | mg/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 45 | Zinc | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 59 | Hardness, Ca + Mg | mg/l | Dissolved | Calculated | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 88 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Dissolved | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 10-2 | 200.7 METALS ACID SOLUBLE | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 127 | Thallium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 130 | Antimony Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 29 | Arsenic Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 30 | Barium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 31 | Boron Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 32 | Cadmium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 33 | Calcium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 34 | Chromium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 35 | Copper Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 36 | Iron Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 37 | Lead Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 38 | Magnesium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 39 | Manganese Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 40 | Nickel Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 41 | Potassium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 42 | Selenium | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 44 | Sodium | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 45 | Zinc | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 59 | Hardness, Ca + Mg | mg/l | Acid Soluble | Calculated | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 88 | Aluminum | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 10-20 | 200.7 Metals Total Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 29 | Arsenic Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 30 | Barium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| 31 | Boron Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 33 | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| 34 | Chromium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 35 | Copper Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 36 | Iron Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| 37 | Lead Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 38 | Magnesium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| 39 | Manganese Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 40 | Nickel Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 41 | Potassium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| 42 | Selenium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 43 | Silver Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| 44 | Sodium | mg/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 45 | Zinc | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 59 | Hardness, Ca + Mg | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 88 | Aluminum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 10-21 | 200.7 Metals Acid Soluble Sali | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 29 | Arsenic | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|--|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31 | Boron Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 32 | Cadmium Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 33 | Calcium Acceptable Range | mg/l 0.00000 - 1,000,000.00000 mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 34 | Chromium Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 35 | Copper Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 36 | Iron Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 37 | Lead Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 38 | Magnesium Acceptable Range | mg/l 0.00000 - 1,000,000.00000 mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 39 | Manganese Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 40 | Nickel Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 41 | Potassium Acceptable Range | mg/l 0.00000 - 1,000,000.00000 mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 42 | Selenium Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 43 | Silver Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 44 | Sodium Acceptable Range | mg/l 0.00000 - 1,000,000.00000 mg/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 45 | Zinc Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| 59 | Hardness, Ca + Mg | mg/l | Acid Soluble | Calculated | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 88 | Aluminum | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Acid Soluble | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 10-3 | 200.7 METALS TOTAL | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 29 | Arsenic | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | mg/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 31 | Boron | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 32 | Cadmium | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 33 | Calcium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 34 | Chromium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 35 | Copper Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 36 | Iron Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 37 | Lead Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 38 | Magnesium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 39 | Manganese Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 41 | Potassium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 42 | Selenium Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 44 | Sodium Acceptable Range | mg/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 45 | Zinc Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 59 | Hardness, Ca + Mg Acceptable Range | mg/l | Total | Calculated | | | | | 200.7(W) | |
| | | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 88 | Aluminum Acceptable Range | ug/l | Total | Actual | | | | | 200.7(W) | |
| | | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Total | Actual | | | | | 200.7(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 99 | Cobalt | ug/l | Total | Actual | | | | | 200.7(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|---|--------|--------|-----------|--------------|---------|
| 102-1 | Ammonia Colorimetric | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 28 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|---|--------|--------|-----------|--------------|---------|
| 102-15 | Ammonia Color saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 28 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|---|--------|--------|-----------|--------------|---------|
| 102-6 | Ammonia Colorimetric | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 28 | Nitrogen, ammonia as N Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Total | Actual | | | | | 350.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|--|------------|-----------------|----------------|-------------------------------|---------|
| 103-6 | Protozoa | Sample | Biological | Taxon Abundance | Bacteria/Virus | Multi-Taxon Population Census | N |
| Citations | | Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1 | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|---------|------------|----------------|---------------------------|--------------------------|---------------|
| 440 | Protozoa | | #/100ml | Actual | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------|---|--------|--------|-----------|--------------|---------|
| 104-15 | 8021B (BETX) saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 149 | Benzene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 8021B | |
| 150 | Naphthalene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 8021B | |
| 260 | Ethylbenzene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | | |
| 284 | Xylene, o- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 8021B | |
| 400 | MTBE, Methyl tertiary butyl ether Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 8021B | |
| 422 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 8021B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------|---|--------|--------|-----------|--------------|---------|
| 104-6 | 8021B (BTEX) | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 149 | Benzene | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 150 | Naphthalene | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 168 | Toluene | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 284 | Xylene, o- | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 400 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 422 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------|---|--------|--------|-----------|--------------|---------|
| 105-15 | 8015B TPH saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 295 | Hydrocarbons, Petroleum (Unspecified Mix) | mg/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 441 | Gasoline range organics | ug/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 442 | Diesel range organics | ug/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 105-6 | 8015B TPH | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 295 | Hydrocarbons, Petroleum (Unspecified Mix) | mg/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 441 | Gasoline range organics | mg/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 442 | Diesel range organics | mg/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|---------------------------|---|--------|--------|-----------|--------------|---------|--|
| 106-6 | Heterotrophic plate count | Sample | Water | | | | N | |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 27 | Heterotrophic bacteria | #/100ml | | Actual | | | | | 9215-D | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|--|--------|--------|-----------|--------------|---------|
| 107-6 | 525.2DEQ | Sample | Water | | | | N |
| | Citations | Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 101 | Malathion | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 104 | Diazinon | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 106 | Methyl parathion | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 117 | Trifluralin | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 167 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 193 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 225 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 235 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 264 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 266 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 525.2DEQ | |

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|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 285 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 309 | Chloropyrifos | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 310 | Disulfoton | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 321 | Fonofos | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 332 | Atrazine | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 334 | Bromacil | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 335 | Simazine | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 337 | Dacthal | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 338 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 342 | Alachlor | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 344 | Cyanazine | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 350 | Prometone | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 360 | Terbacil | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 369 | Butachlor | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 370 | Metolachlor | ug/l | Total | Actual | | | | | 525.2DEQ | |

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|--------|---------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 371 | Metribuzin | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 372 | Propachlor | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 373 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 389 | BHC-alpha | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 390 | Chlordane, cis | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 391 | BHC-beta | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 392 | Daconil | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 393 | BHC-delta | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 394 | Chlordane, gamma | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 395 | Hexazinone | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 396 | Paraoxon | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 397 | Nonachlor, trans- | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 403 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 405 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 407 | Terbufos | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 411 | Endosulfan, beta- Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 415 | 2,4-Dinitrotoluene Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 425 | Pcb-aroclor 1262 Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 426 | Dichlorobiphenyl Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 427 | Molinate Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 428 | Octachlorobiphenyl Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 429 | Pentachlorobiphenyl Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 430 | 2,3,4-Trichloro-1,1'-biphenyl Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 431 | Tetrachlorobiphenyl Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 435 | Heptachlorobiphenyl Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 447 | Acetochlor Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 600 | Pcb-169 Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 85 | Toxaphene Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 86 | Endosulfan, alpha- Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 87 | BHC-gamma (Lindane) Acceptable Range | ug/l | Total | Actual | | | | | 525.2DEQ | |
| 89 | Methoxychlor | ug/l | Total | Actual | | | | | 525.2DEQ | |

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|----------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 90 | Dieldrin | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 91 | Heptachlor | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 94 | Aldrin | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 95 | Endrin | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 96 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 97 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 98 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| ENDRN113 | Endrin ketone | ug/l | Total | Actual | | | | | 525.2DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------|---|--------|--------|-----------|--------------|---------|
| 109-6 | 608/625 OrganoCl | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 147 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 148 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 165 | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 166 | BHC-delta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 167 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 169 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 170 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 171 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 172 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 173 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 403 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 405 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 411 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 84 | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 85 | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 86 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 87 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 89 | Methoxychlor Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 90 | Dieldrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 91 | Heptachlor Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 92 | BHC-beta Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 94 | Aldrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 95 | Endrin Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 96 | DDT ***retired*** (use DDT, p,p'-) Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 97 | DDE ***retired*** (use DDE, p,p'-) Acceptable Range | ug/l | Total | Actual | | | | | 608 | |
| 98 | DDD ***retired*** (use DDD, p,p') Acceptable Range | ug/l | Total | Actual | | | | | 608 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 11-1 | 200.8 METALS DISSOLVED | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 105 | Uranium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 109 | Vanadium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 127 | Thallium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 130 | Antimony Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 154 | Mercury Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 29 | Arsenic Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 30 | Barium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 34 | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 35 | Copper Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 37 | Lead Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 39 | Manganese Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 40 | Nickel Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 419 | Uranium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 42 | Selenium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 43 | Silver | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 45 | Zinc | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 463 | Zirconium | ug/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 11-19 | 200.8 Metals Dissolved saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 154 | Mercury | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 29 | Arsenic | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 30 | Barium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 34 | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 35 | Copper Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 37 | Lead Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 39 | Manganese Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 40 | Nickel Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 419 | Uranium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 42 | Selenium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 43 | Silver Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 45 | Zinc Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 88 | Aluminum Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 93 | Beryllium Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |
| 99 | Cobalt Acceptable Range | ug/l | Dissolved | Actual | | | | | 200.8(W) | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 11-2 | 200.8 METALS ACID SOLUBLE | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 109 | Vanadium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 127 | Thallium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 130 | Antimony Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 154 | Mercury Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 29 | Arsenic Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 30 | Barium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 34 | Chromium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 35 | Copper Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 37 | Lead Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 39 | Manganese Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 40 | Nickel Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 419 | Uranium | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 42 | Selenium | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 45 | Zinc | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 11-20 | 200.8 Metals Total Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 154 | Mercury | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 29 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 32 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 34 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 35 | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 37 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 39 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 419 | Uranium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 42 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 45 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 11-21 | 200.8 Metals Acid Soluble sali | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 109 | Vanadium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 127 | Thallium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 130 | Antimony Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 154 | Mercury Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 29 | Arsenic Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 30 | Barium Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 32 | Cadmium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 34 | Chromium Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 35 | Copper Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 37 | Lead Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 39 | Manganese Acceptable Range | mg/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 40 | Nickel Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| 419 | Uranium | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 42 | Selenium | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 45 | Zinc | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Acid Soluble | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 11-3 | 200.8 METALS TOTAL | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 154 | Mercury | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 29 | Arsenic | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | mg/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 32 | Cadmium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 34 | Chromium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 35 | Copper | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 37 | Lead | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 39 | Manganese | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 419 | Uranium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 42 | Selenium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 45 | Zinc | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 463 | Zirconium | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Total | Actual | | | | | 200.8(W) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Total | Actual | | | | | 200.8(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|--|--|--|--|
| 110-6 | 526 L2 Semivol Org UCMR List 2 | Sample | Water | | | | N | | | | |
| | Citations | Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1 | | | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 104 | Diazinon | ug/l | Total | Actual | | | | | 526 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| 276 | nitro-Benzene | ug/l | Total | Actual | | | | | 526 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| 310 | Disulfoton | ug/l | Total | Actual | | | | | 526 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| 321 | Fonofos | ug/l | Total | Actual | | | | | 526 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| 350 | Prometone | ug/l | Total | Actual | | | | | 526 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| 407 | Terbufos | ug/l | Total | Actual | | | | | 526 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|--|--|--|--|
| 111-6 | 528 L2 Semivol Org UCMR List 2 | Sample | Water | | | | N | | | | |
| | Citations | Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1 | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 192 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 528 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 200 | Cresol, o- | ug/l | Total | Actual | | | | | 528 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 528 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 414 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 528 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|--|--------|--------|-----------|--------------|---------|
| 112-6 | 525.2 L1 Semivol UCMR List 1 | Sample | Water | | | | N |
| | Citations | Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 193 | 2,6-Dinitrotoluene | ug/l | Total | Actual | | | | | 525.2 L1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 338 | EPTC, Dipropylthiocarbamic acid s-ethyl ester | ug/l | Total | Actual | | | | | 525.2 L1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 360 | Terbacil | ug/l | Total | Actual | | | | | 525.2 L1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 415 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 525.2 L1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 427 | Molinate | ug/l | Total | Actual | | | | | 525.2 L1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 447 | Acetochlor | ug/l | Total | Actual | | | | | 525.2 L1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 97 | DDE ***retired*** (use DDE, p,p'- | ug/l | Total | Actual | | | | | 525.2 L1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| |) Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------------|---|--------|--------|-----------|--------------|---------|
| 113-6 | 6251B/552 Haloacetic Acids | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 126 | Bromochloroacetic acid (BCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 192 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 197 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 251 | Dibromoacetic acid (DBAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 254 | Dichloroacetic acid (DCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 273 | Bromoacetic acid (MBAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 274 | Chloroacetic acid (MCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 296 | Trichloroacetic acid (TCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 114-6 | THM DEQ/WQ | Sample | Water | | | | N |

Citations Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform | ug/l | Total | Actual | | | | | THM DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | THM DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | THM DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | THM DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 146 | Trihalomethanes (unspecified mix) | ug/l | Total | Actual | | | | | THM DEQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 115-6 | 524.2DEQWQ | Sample | Water | | | | N |

Citations Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 138 | Methyl bromide | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 139 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 140 | Chloroethane | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 141 | Methyl chloride | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 142 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 143 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 144 | Dichloromethane | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 145 | Vinyl chloride | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 149 | Benzene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 150 | Naphthalene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 164 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 168 | Toluene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 174 | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 176 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 177 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 178 | Dichloroethane, 1,1- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 179 | 1,1-Dichloroethylene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 181 | Dichloropropene, 1,1- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 182 | Trichlorobenzene, 1,2,3- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 183 | Trichloropropane, 1,2,3- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 184 | 1,2,4-Trichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 185 | Trimethylbenzene, 1,2,4- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 186 | 1,2-Dibromo-3-chloropropane (DBCP) Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 187 | 1,2-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 188 | Trimethylbenzene, 1,3,5- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 189 | 1,3-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 190 | Dichloropropane, 1,3- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 191 | Dichloropropane, 2,2- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 236 | Monobromobenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| 238 | Chlorobromomethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |

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|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 240 | Chlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 245 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 246 | cis-1,3-Dichloropropene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 253 | Dibromomethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 256 | Dichlorodifluoromethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 263 | Trichlorofluoromethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 265 | Hexachlorobutadiene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 270 | Cumene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 276 | nitro-Benzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 277 | Butyl benzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 281 | Propylbenzene, n- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 283 | Chlorotoluene, 2- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 284 | Xylene, o- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 289 | Chlorotoluene, 4- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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|--------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 290 | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 292 | Styrene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 293 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 294 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 298 | Trichloroethylene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 299 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 301 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 302 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 304 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 398 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 400 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 422 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 82 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 116-6 | Chlorinated Acids for Water Qu | Sample | Water | | | | N |

Citations Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan, Division of Epidemiology and Laboratory Services, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 110 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 112 | Dicamba | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 113 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 120 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 121 | Picloram | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 257 | Dichlorprop | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 285 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 352 | Dichloropropionic acid, 2,2-***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 404 | Silvex | ug/l | Total | Actual | | | | | 515.1DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 117-6 | 624DEQWQ | Sample | Water | | | | N |

Division of Epidemiology and Laboratory Services, 1999, Division of Epidemiology and Laboratory Services Quality Assurance Program Plan,

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Citations Division of Epidemiology and Laboratory Services, 1

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 135 | Bromoform Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 136 | Dichlorobromomethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 137 | Chlorodibromomethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 138 | Methyl bromide Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 139 | Carbon tetrachloride Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 140 | Chloroethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 141 | Methyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 142 | 1,4-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 143 | Dichloroethane, 1,2- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 144 | Dichloromethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 145 | Vinyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 149 | Benzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 150 | Naphthalene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 164 | Trichloroethane, 1,1,1- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 168 | Toluene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 174 | Tetrachloroethane, 1,1,1,2- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 176 | Tetrachloroethane, 1,1,2,2- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 177 | Trichloroethane, 1,1,2- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 178 | Dichloroethane, 1,1- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 179 | 1,1-Dichloroethylene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 181 | Dichloropropene, 1,1- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 182 | Trichlorobenzene, 1,2,3- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 183 | Trichloropropane, 1,2,3- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 184 | 1,2,4-Trichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 185 | Trimethylbenzene, 1,2,4- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 186 | 1,2-Dibromo-3-chloropropane (DBCP) Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 187 | 1,2-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 188 | Trimethylbenzene, 1,3,5- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| 189 | 1,3-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 190 | Dichloropropane, 1,3- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 191 | Dichloropropane, 2,2- Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 194 | Methyl ethyl ketone Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 195 | 2-Chloroethyl vinyl ether Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 218 | Acetone Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 236 | Monobromobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 238 | Chlorobromomethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 240 | Chlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 245 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 246 | cis-1,3-Dichloropropene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 253 | Dibromomethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 256 | Dichlorodifluoromethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 263 | Trichlorofluoromethane Acceptable Range | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 265 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 524.2 DEQWQ | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 270 | Cumene | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 276 | nitro-Benzene | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 277 | Butyl benzene | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 281 | Propylbenzene, n- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 283 | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 284 | Xylene, o- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 289 | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 290 | Cymene ***retired*** (use p-Cymene) | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 292 | Styrene | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 293 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 294 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 298 | Trichloroethylene | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 299 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 301 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 302 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624DEQWQ | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 304 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 307 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 400 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 422 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 434 | Freon 113 | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 460 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 461 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 82 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 624DEQWQ | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|---|--------|--------|-----------|--------------|---------|
| 12-15 | Alkalinity as CaCO3 saline | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2 | pH | None | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 46 | Bicarbonate | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 47 | Carbon dioxide | mg/l | Total | Actual | | | | | 2320 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 48 | Carbonate ion (CO3-2) | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 51 | Hydroxide | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 58 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|---|--------|--------|-----------|--------------|---------|
| 12-6 | Alkalinity as CaCO3 | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2 | pH | None | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 46 | Bicarbonate | mg/l | Total | Calculated | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 47 | Carbon dioxide | mg/l | Total | Calculated | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 48 | Carbonate ion (CO3-2) | mg/l | Total | Calculated | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 51 | Hydroxide | mg/l | Total | Calculated | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 58 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | 2320 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 120-15 | Chloride by FIA saline | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 49 | Chloride | mg/l | Dissolved | Actual | | | | | 325.2 | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 120-6 | Chloride by FIA | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 49 | Chloride | mg/l | Dissolved | Actual | | | | | 325.2 | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 121-1 | Phosphorus by 365.2 Dissolved | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 57 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 121-15 | Phosphorus 365.2 Total saline | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 57 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-----------------|------------------------------|------------------------------|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat | |
| 121-19 | Phosphorus 365.2 diss saline | Sample | Water | | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 57 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.2 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat | |
| 121-6 | Phosphorus by 365.2 Total | Sample | Water | | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 57 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.2 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat | |
| 122-15 | Sulfide Titrimetric Saline | Sample | Water | | | | | | | N | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 21 | Sulfide | mg/l | Total | Actual | | | | | 376.2 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 122-6 | Sulfide Titrimetric | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Sulfide | mg/l | Total | Actual | | | | | 376.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 123-6 | Colilert | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 443 | Escherichia | #/100ml | Total | Actual | | | | | COLILERT | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 123-6F | E-coli by colialert | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 443 | Escherichia | #/100ml | Total | Actual | | | | | COLILERT | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 124-15 | T.K.N. Saline | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 124-6 | T.K.N | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | 351.3(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 129-26 | Periphyton Ash-free dry weight | Sample | Water | | | | N |

Citations American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 488 | Biomass, periphyton | g/m2 | | Actual | | Ash-Free Dry | | | 10300-C | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 g/m2 | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 129-28 | Ash Free Dry Weight from perip | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 488 | Biomass, periphyton | mg/m2 | | Actual | | | | | 10300-C | |

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| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 13-1 | Mercury by CV dissolved | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 154 | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 13-19 | Mercury by CV dissolve saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 154 | Mercury | ug/l | Dissolved | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 13-2 | Mercury by CV acid soluble | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 154 | Mercury | ug/l | Acid Soluble | Actual | | | | | 245.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|----------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 13-20 | Mercury by CV total saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------------------------------|------------------------------------|---|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 154 | Mercury Acceptable Range | ug/l | Total | Actual | | | | | 245.1 | | |
| 0.00000 - 100,000.00000 ug/l | | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
| 13-21 | Mercury by CV acid soluble sal | Sample | Water | | | | N | | | | |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 154 | Mercury Acceptable Range | ug/l | Acid Soluble | Actual | | | | | 245.1 | | |
| 0.00000 - 100,000.00000 ug/l | | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
| 13-3 | Mercury by CV total | Sample | Water | | | | N | | | | |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 154 | Mercury Acceptable Range | ug/l | Total | Actual | | | | | 245.1 | | |
| 0.00000 - 1,000,000.00000 ug/l | | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
| 130-1 | Mercury in fish blank analyses | Sample | Water | | | | N | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 154 | Mercury Acceptable Range | ug/g | Total | Actual | | | | | USEPA7473 | | |
| 0.00000 - 100.00000 ug/g | | | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|------------|--------|-----------|--------------|---------|
| 130-27 | Mercury in Fish | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 154 | Mercury | ug/g | Total | Actual | | | | | USEPA7473 | |
| | Acceptable Range | 0.00000 - 10.00000 ug/g | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-------------------------------|---|--------|--------|-----------|--------------|---------|--|
| 132-1 | Selenium by hydride dissolved | Sample | Water | | | | N | |
| | Citations | American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 3114-C | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 132-19 | D-Selenium by Hydride Saline | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 3114-C | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|---------------------|---|--------|--------|-----------|--------------|---------|--|
| 132-3 | Selenium by Hydride | Sample | Water | | | | N | |
| | Citations | American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------------------------------|-------------------------------------|----------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 42 | Selenium Acceptable Range | ug/l | Total | Actual | | | | | 3114-C | | |
| 0.00000 - 1,000,000.00000 ug/l | | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
| 133-1 | D Metals by ICPMS w/ DRC | Sample | Water | | | | N | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 29 | Arsenic Acceptable Range | ug/l | Dissolved | Actual | | | | | DRC | | |
| 0.00000 - 100,000.00000 ug/l | | | | | | | | | | | |
| 34 | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | DRC | | |
| 0.00000 - 100,000.00000 ug/l | | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
| 133-19 | D Metals by ICPMS w/ DRC Salin | Sample | Water | | | | N | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 29 | Arsenic Acceptable Range | ug/l | Dissolved | Actual | | | | | DRC | | |
| 0.00000 - 100,000.00000 ug/l | | | | | | | | | | | |
| 34 | Chromium Acceptable Range | ug/l | Dissolved | Actual | | | | | DRC | | |
| 0.00000 - 100,000.00000 ug/l | | | | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | | |
| 133-3 | Total Metals by ICPMS w/ DRC | Field Msr/Obs | Water | | | | N | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 29 | Arsenic | ug/l | Total | Actual | | | | | DRC | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 34 | Chromium | ug/l | Total | Actual | | | | | DRC | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 14-15 | TDS saline | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 63 | Solids, Dissolved | mg/l | | Actual | | | | | 2540-C | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 14-6 | TDS | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 63 | Solids, Dissolved | mg/l | | Actual | | | | | 2540-C | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|---|--------|--------|-----------|--------------|---------|
| 15-15 | Ion Chromatography saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 162 | Bromide | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 28 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 417 | Iodine | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 49 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 50 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 52 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 53 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 54 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 56 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------|---|--------|--------|-----------|--------------|---------|
| 15-6 | Ion Chromatography | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 162 | Bromide | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 28 | Nitrogen, ammonia (NH3) as | mg/l | Total | Actual | | | | | 300(A) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | NH3 | | | | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 417 | Iodine | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 49 | Chloride | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 50 | Fluorides | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 52 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 53 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 54 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 56 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 300(A) | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---|----------------|--------|--------|-----------|--------------|---------|
| 16-15 | Chloride Saline | Sample | Water | | | | N |
| Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 49 | Chloride | mg/l | Total | Actual | | | | | 325.3 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 16-6 | Chloride for Water | Sample | Water | | | | N |

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Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 49 | Chloride | mg/l | Dissolved | Actual | | | | | 325.3 | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 17-15 | Cyanide Cl saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-----------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 20 | Cyanides Amenable to Chlorination | mg/l | Total | Actual | | | | | 335.1 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 17-6 | Cyanide CL | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-----------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 20 | Cyanides Amenable to Chlorination | mg/l | Total | Actual | | | | | 335.1 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| 18-15 | Cyanide titrim Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 402 | Cyanide | mg/l | Acid Soluble | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 18-6 | Cyanide Titrim | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Cyanide | mg/l | Total | Actual | | | | | 335.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 402 | Cyanide | mg/l | Acid Soluble | Actual | | | | | 335.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|---|--------|--------|-----------|--------------|---------|
| 19-15 | Cyanide Automated Saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 402 | Cyanide | mg/l | Acid Soluble | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 19-6 | Cyanide Automated | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 20 | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 455 | Cyanides Amenable to Chlorination | mg/l | Total | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 2-15 | Color saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 116 | Color, True | PCU | | Actual | | | | | 110.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 PCU | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 2-6 | Color | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 116 | Color, True | PCU | Total | Actual | | | | | 110.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 PCU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 20-15 | Ammonia Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 28 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.3 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 20-6 | Ammonia Electrode | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 28 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.3 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| 21-15 | Hexachrome Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 439 | Chromium, hexavalent | ug/l | Total | Actual | | | | | 3500-CR(D) | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 21-6 | HEXACHROM | Sample | Water | | | | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------------------------|--|---|------------------------|---------------|----------------|------------------|----------------|------------|---------------------|----------------------------|
| 439 | Chromium, hexavalent Acceptable Range | ug/l 0.00000 - 100,000.00000 ug/l | Dissolved | Actual | | | | | 3500-CR(D) | |
| Group ID 22-15 | Group Name TKN Saline | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Total | Actual | | | | | 351.4 | |
| Group ID 22-6 | Group Name TKN | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Nitrogen, Kjeldahl Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Total | Actual | | | | | 351.4 | |
| Group ID 23-1 | Group Name NITRATE & NITRITE, Dissolved | Field Activity Sample | Medium Water | Intent | | Community | | | Result Group | Habitat N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 383 | Nitrogen, Nitrite (NO2) + Nitrate Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Dissolved | Actual | | | | | 353.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (NO3) as N | | | | | | | | | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 52 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 53 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 23-15 | Nitrate Nitrite total saline | Sample | Water | | | | N |
| Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 383 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 52 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 53 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 23-19 | Nitrate Nitrite Dissolved Sali | Sample | Water | | | | N |
| Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 383 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | 353.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 52 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 53 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 23-6 | NITRATE & NITRITE Total | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 383 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 52 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 53 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | 353.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| 24-15 | Oil and Grease Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 17 | Oil and Grease | mg/l | Total | Actual | | | | | 9070 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------|----------------|--------|--------|-----------|--------------|---------|
| 24-6 | OIL & GREASE | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 17 | Oil and Grease | mg/l | | Actual | | | | | 9070 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| 25-1 | PHOSPHORUS-DISSOLVED | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 54 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 57 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 25-15 | Phosphorus Total Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 54 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 57 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 25-19 | Phosphorus Dissolved Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 54 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 57 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 25-6 | PHOPHORUS-TOTAL | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 54 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 57 | Phosphorus as P | mg/l | Total | Actual | | | | | 365.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 26-1 | Silica Dissolved | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 55 | Silica | mg/l | Dissolved | Actual | | | | | 370.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 26-15 | Silica Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 55 | Silica | mg/l | Total | Actual | | | | | 370.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 26-6 | SILICA | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 55 | Silica | mg/l | Dissolved | Actual | | | | | 370.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 27-15 | Sulfate Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 56 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | | | 375.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 27-6 | Sulfate | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 56 | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | 375.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 28-15 | Sulfide Saline | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Sulfide | mg/l | Total | Actual | | | | | 376.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 28-6 | Sulfide | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Sulfide | mg/l | Total | Actual | | | | | 376.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 29-1 | BOD Dissolved | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 13 | BOD, Biochemical oxygen | mg/l | Dissolved | Actual | | | | | 405.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|--------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 77 | demand Acceptable Range BOD, carbonaceous Acceptable Range | 0.00000 - 100,000.00000 mg/l mg/l | Dissolved | Actual | | | | | 405.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------|----------------|--------|--------|-----------|--------------|---------|
| 29-15 | BOD Saline | Sample | Water | | | | N |
| Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 13 | BOD, Biochemical oxygen demand Acceptable Range | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 405.1 | |
| 77 | BOD, carbonaceous Acceptable Range | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 405.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--|------------|----------------|--------|--------|-----------|--------------|---------|
| 29-6 | BOD | Sample | Water | | | | N |
| Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 13 | BOD, Biochemical oxygen demand Acceptable Range | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 405.1 | |
| 77 | BOD, carbonaceous Acceptable Range | mg/l | Total | Actual | | | 5 Day | 20 Deg C | 405.1 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 3-15 | Conductance Specific saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 62 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 umho/cm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| 3-6 | Conductance, specific | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 62 | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 31-15 | COD Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19 | COD, Chemical Oxygen Demand | mg/l | Total | Actual | | | | | 410.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| 31-6 | COD Colorimetric | Sample | Water | | | | N |

USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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Citations

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19 | COD, Chemical Oxygen Demand | mg/l | Total | Actual | | | | | 410.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 32-15 | Phenols Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 410 | Phenols (mixture) | mg/l | Total | Actual | | | | | 420.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| 32-6 | Phenolices Spectro | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 410 | Phenols (mixture) | mg/l | Total | Actual | | | | | 420.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 33-15 | Flouride Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|--------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 50 | Fluorides Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Dissolved | Actual | | | | | 4500-F-C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------|---|--------|--------|-----------|--------------|---------|
| 33-6 | Flouride electrode | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------------|--------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 50 | Fluorides Acceptable Range | mg/l 0.00000 - 100,000.00000 mg/l | Total | Actual | | | | | 4500-F-C | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-------------|---|--------|--------|-----------|--------------|---------|
| 34-6 | 502.2 VOC's | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 135 | Bromoform Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 136 | Dichlorobromomethane Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 138 | Methyl bromide Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 139 | Carbon tetrachloride Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 502.2(ELCD) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 140 | Chloroethane Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 141 | Methyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 142 | 1,4-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 143 | Dichloroethane, 1,2- Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 144 | Dichloromethane Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 145 | Vinyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 149 | Benzene Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 150 | Naphthalene Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 164 | Trichloroethane, 1,1,1- Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 168 | Toluene Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 174 | Tetrachloroethane, 1,1,1,2- Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 176 | Tetrachloroethane, 1,1,2,2- Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 177 | Trichloroethane, 1,1,2- Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 178 | Dichloroethane, 1,1- Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 179 | 1,1-Dichloroethylene Acceptable Range | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| 181 | Dichloropropene, 1,1- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 182 | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 183 | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 184 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 185 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 187 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 188 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 189 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 190 | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 191 | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 194 | Methyl ethyl ketone | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 236 | Monobromobenzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 238 | Chlorobromomethane | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 240 | Chlorobenzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 241 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 245 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | DICHLO) | | | | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 246 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 253 | Dibromomethane | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 256 | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 263 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 265 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 270 | Cumene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 275 | Xylene, m- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 276 | nitro-Benzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 277 | Butyl benzene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 281 | Propylbenzene, n- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 283 | Chlorotoluene, 2- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 284 | Xylene, o- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 289 | Chlorotoluene, 4- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 290 | Cymene ***retired***(use p- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Cymene) | | | | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 291 | Xylene, p- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 292 | Styrene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 293 | Butylbenzene, sec- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 294 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 298 | Trichloroethylene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 299 | Butylbenzene, tert- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 301 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 302 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 304 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 400 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 434 | Trichlorotrifluoroethane | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 437 | Dichloropropane | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 82 | Dichloropropane, 1,2- | ug/l | Total | Actual | | | | | 502.2(ELCD) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 35-6 | 504 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 186 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 504 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 398 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 504 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 36-6 | 505 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 147 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 148 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 169 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 170 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 171 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 172 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 173 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 264 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 266 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 332 | Atrazine | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 335 | Simazine | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 342 | Alachlor | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 403 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 84 | Chlordane | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 85 | Toxaphene | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 87 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 89 | Methoxychlor | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 90 | Dieldrin | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 91 | Heptachlor | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 94 | Aldrin | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 95 | Endrin | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 96 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 97 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 98 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 505 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 37-6 | 507 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 332 | Atrazine | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 335 | Simazine | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 342 | Alachlor | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 369 | Butachlor | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 370 | Metolachlor | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 371 | Metribuzin | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 372 | Propachlor | ug/l | Total | Actual | | | | | 507 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 38-6 | 515.1 | Sample | Water | | | | N |

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Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 110 | 2,4-D, Dichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 112 | Dicamba | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 113 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 120 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 121 | Picloram | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 257 | Dichlorprop | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 285 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 352 | Dichloropropionic acid, 2,2-***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 404 | Silvex | ug/l | Total | Actual | | | | | 515.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 39-6 | 524.2 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 135 | Bromoform Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 136 | Dichlorobromomethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 137 | Chlorodibromomethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 138 | Methyl bromide Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 139 | Carbon tetrachloride Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 140 | Chloroethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 141 | Methyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 142 | 1,4-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 143 | Dichloroethane, 1,2- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 144 | Dichloromethane Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 145 | Vinyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 149 | Benzene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 150 | Naphthalene Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 164 | Trichloroethane, 1,1,1- Acceptable Range | ug/l | Total | Actual | | | | | 524.2 | |
| 168 | Toluene | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 174 | Tetrachloroethane, 1,1,1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 176 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 177 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 178 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 179 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 181 | Dichloropropene, 1,1- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 182 | Trichlorobenzene, 1,2,3- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 183 | Trichloropropane, 1,2,3- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 184 | 1,2,4-Trichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 185 | Trimethylbenzene, 1,2,4- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 186 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 187 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 188 | Trimethylbenzene, 1,3,5- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 189 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 190 | Dichloropropane, 1,3- | ug/l | Total | Actual | | | | | 524.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 191 | Dichloropropane, 2,2- | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 236 | Monobromobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 238 | Chlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 240 | Chlorobenzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 245 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 246 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 253 | Dibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 256 | Dichlorodifluoromethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 263 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 265 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 270 | Cumene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 276 | nitro-Benzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 277 | Butyl benzene | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 281 | Propylbenzene, n- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 283 | Chlorotoluene, 2- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 289 | Chlorotoluene, 4- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 290 | Cymene ***retired*** (use p-Cymene) Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 292 | Styrene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 293 | Butylbenzene, sec- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 294 | Tetrachloroethylene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 298 | Trichloroethylene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 299 | Butylbenzene, tert- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 301 | Dichloroethene, trans-1,2- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 302 | trans-1,3-Dichloropropene Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 304 | Xylenes mix of m + o + p Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 398 | Ethylene dibromide (EDB) Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 400 | MTBE, Methyl tertiary butyl ether Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |
| 82 | Dichloropropane, 1,2- Acceptable Range | ug/l 0.00000 - 10,000.00000 ug/l | Total | Actual | | | | | 524.2 | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 4-6 | Odor | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 118 | Odor, Threshold Number | None | Total | Actual | | | | | 140.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 | None | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 40-6 | 525.1 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 147 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 148 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 169 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 170 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 171 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 172 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 173 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 225 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | ug/l | | | | | | | |
| 235 | bis(2-ethylhexyl) phthalate | ug/l | Total | Actual | | | | | 525.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | (DEHP) | | | | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 264 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 266 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 285 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 332 | Atrazine | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 335 | Simazine | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 342 | Alachlor | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 369 | Butachlor | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 370 | Metolachlor | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 371 | Metribuzin | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 372 | Propachlor | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 373 | bis(2-ethylhexyl) adipate | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 403 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 423 | Chlordane, cis | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 424 | Chlordane, gamma | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 425 | PCB-001 | ug/l | Total | Actual | | | | | 525.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 426 | Dichlorobiphenyl | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 84 | Chlordane | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 85 | Toxaphene | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 87 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 89 | Methoxychlor | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 90 | Dieldrin | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 91 | Heptachlor | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 94 | Aldrin | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 95 | Endrin | ug/l | Total | Actual | | | | | 525.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 41-6 | 525.2 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 101 | Malathion | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 104 | Diazinon | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 106 | Methyl parathion Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 117 | Trifluralin Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 119 | Dacthal Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 167 | Endosulfan Sulfate Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 193 | 2,6-Dinitrotoluene Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 264 | Hexachlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 266 | Hexachlorocyclopentadiene Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 285 | Pentachlorophenol (PCP) Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 309 | Chloropyrifos Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 310 | Disulfoton Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 321 | Fonofos Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 332 | Atrazine Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 334 | Bromacil Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 335 | Simazine Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 337 | Dacthal Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 338 | EPTC, Dipropythiocarbamic | ug/l | Total | Actual | | | | | 525.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | acid s-ethyl ester | | | | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 342 | Alachlor | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 344 | Cyanazine | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 350 | Prometone | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 360 | Terbacil | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 369 | Butachlor | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 370 | Metolachlor | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 371 | Metribuzin | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 372 | Propachlor | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 389 | BHC-alpha | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 390 | Chlordane, cis | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 391 | BHC-beta | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 392 | Daconil | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 393 | BHC-delta | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 394 | Chlordane, gamma | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 395 | Hexazinone | ug/l | Total | Actual | | | | | 525.2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 396 | Paraoxon | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 397 | Nonachlor, trans- | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 403 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 405 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 407 | Terbufos | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 411 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 415 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 425 | Pcb-aroclor 1262 | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 426 | Dichlorobiphenyl | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 427 | Molinate | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 428 | Octachlorobiphenyl | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 429 | Pentachlorobiphenyl | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 430 | 2,3,4-Trichloro-1,1'-biphenyl | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 431 | Tetrachlorobiphenyl | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 435 | Heptachlorobiphenyl | ug/l | Total | Actual | | | | | 525.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 85 | Toxaphene Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 86 | Endosulfan, alpha- Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 87 | BHC-gamma (Lindane) Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 89 | Methoxychlor Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 90 | Dieldrin Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 91 | Heptachlor Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 94 | Aldrin Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 95 | Endrin Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 96 | DDT ***retired*** (use DDT, p,p'-) Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 97 | DDE ***retired*** (use DDE, p,p'-) Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| 98 | DDD ***retired*** (use DDD, p,p') Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |
| ENDRI313 | Endrin ketone Acceptable Range | ug/l | Total | Actual | | | | | 525.2 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 42-6 | 531.1 | Sample | Water | | | | N |

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Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 128 | Carbofuran | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 129 | Sevin | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 131 | Aldicarb | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 205 | Hydroxycarbofuran, 3- | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 222 | Propoxur | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 271 | Mercaptodimethur | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 272 | Methomyl | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 282 | Oxamyl | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 408 | Aldicarb sulfone | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 409 | Aldicarb sulfoxide | ug/l | Total | Actual | | | | | 531.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 43-6 | TOC infrared | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 18 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | 5310-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|--------------------------|---|------------------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |
| Group ID 44-6 | Group Name 547 | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | | Habitat N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 356 | Glyphosate (Roundup) | ug/l | Total | Actual | | | | | 547 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| Group ID 45-6 | Group Name 548 | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | | Habitat N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 374 | Endothall | ug/l | Total | Actual | | | | | 548 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |
| Group ID 46-6 | Group Name 549 | Field Activity Sample | Medium Water | Intent | Community | | | Result Group | | Habitat N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
| 122 | Paraquat | ug/l | Total | Actual | | | | | 549 | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 125 | Diquat dibromide (Reglone) | ug/l | Total | Actual | | | | | 549 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 47-6 | 551 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1,1,1327 | Trichloropropane | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 134 | Chloroform | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 139 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 164 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 175 | Trichloroacetone, 1,1,1- | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 180 | Dichloroacetone, 1,1- | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 186 | 1,2-Dibromo-3-chloropropane (DBCP) | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 237 | Bromochloroacetonitrile | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 242 | Chloropicrin | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 252 | Dibromoacetonitrile | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 255 | Dichloroacetonitrile | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 294 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 297 | Trichloroacetonitrile | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 298 | Trichloroethylene | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 379 | Chloral | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 398 | Ethylene dibromide (EDB) | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 48-6 | 551CH | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 379 | Chloral | ug/l | Total | Actual | | | | | 551 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------|---|--------|--------|-----------|--------------|---------|
| 49-6 | Surfactants MBAS | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|--------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 60 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | 5540-C | | |
| Acceptable Range | | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 5-15 | pH saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|---------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 2 | pH | None | Total | Actual | | | | | 150.1 | | |
| Acceptable Range | | 0.00000 - 14.00000 None | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 5-6 | pH | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|---------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 2 | pH | None | Total | Actual | | | | | 150.1 | | |
| Acceptable Range | | 0.00000 - 14.00000 None | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------|---|--------|--------|-----------|--------------|---------|
| 50-1 | UV Absorption | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 375 | Light Transmissivity | ug/l | | Actual | | | | | 5910B | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| 50-6 | UV Absorbtion | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 375 | Light Transmissivity | ug/l | | Actual | | | | | 5910B | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 51-6 | 601 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 138 | Methyl bromide | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 139 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 601 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 140 | Chloroethane | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 141 | Methyl chloride | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 142 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 143 | Dichloroethane, 1,2- | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 144 | Dichloromethane | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 145 | Vinyl chloride | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 164 | Trichloroethane, 1,1,1- | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 176 | Tetrachloroethane, 1,1,2,2- | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 177 | Trichloroethane, 1,1,2- | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 178 | Dichloroethane, 1,1- | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 179 | 1,1-Dichloroethylene | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 187 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 189 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 195 | 2-Chloroethyl vinyl ether | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 240 | Chlorobenzene | ug/l | Total | Actual | | | | | 601 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 246 | cis-1,3-Dichloropropene Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 294 | Tetrachloroethylene Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 298 | Trichloroethylene Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 301 | Dichloroethene, trans-1,2- Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 302 | trans-1,3-Dichloropropene Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 306 | Dichloromonofluoromethane Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 307 | Trichlorofluoromethane Acceptable Range | ug/l | Total | Actual | | | | | 601 | |
| 82 | Dichloropropane, 1,2- Acceptable Range | ug/l | Total | Actual | | | | | 601 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|---|--------|--------|-----------|--------------|---------|
| 52-1 | 6010 Dissolved Metals | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum Acceptable Range | ug/l | Dissolved | Actual | | | | | 6010A | |
| 109 | Vanadium Acceptable Range | ug/l | Dissolved | Actual | | | | | 6010A | |
| 127 | Thallium Acceptable Range | ug/l | Dissolved | Actual | | | | | 6010A | |
| 130 | Antimony | ug/l | Dissolved | Actual | | | | | 6010A | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 154 | Mercury | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 29 | Arsenic | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 31 | Boron | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 32 | Cadmium | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 33 | Calcium | mg/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 34 | Chromium | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 35 | Copper | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 36 | Iron | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 37 | Lead | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 38 | Magnesium | mg/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 39 | Manganese | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 41 | Potassium | mg/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 43 | Silver | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 44 | Sodium | mg/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 45 | Zinc | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Dissolved | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-------------------|---|--------|--------|-----------|--------------|---------|--|
| 52-3 | 6010 Total Metals | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 103 | Molybdenum | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 109 | Vanadium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 127 | Thallium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 154 | Mercury | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 29 | Arsenic | ug/l | Total | Actual | | | | | 6010A | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 31 | Boron | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 32 | Cadmium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 33 | Calcium | mg/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 34 | Chromium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 35 | Copper | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 36 | Iron | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 37 | Lead | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 38 | Magnesium | mg/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 39 | Manganese | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 41 | Potassium | mg/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| 42 | Selenium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 44 | Sodium | mg/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 45 | Zinc | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Total | Actual | | | | | 6010A | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 524.5 | 524.5 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NAPHT624 | Naphthalene | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 53-6 | 602 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 142 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 602 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 149 | Benzene | ug/l | Total | Actual | | | | | 602 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 168 | Toluene | ug/l | Total | Actual | | | | | 602 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 187 | 1,2-Dichlorobenzene | ug/l | Total | Actual | | | | | 602 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 189 | 1,3-Dichlorobenzene | ug/l | Total | Actual | | | | | 602 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 240 | Chlorobenzene | ug/l | Total | Actual | | | | | 602 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | 602 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 54-6 | 6020 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 127 | Thallium | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 130 | Antimony | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 29 | Arsenic | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 30 | Barium | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 32 | Cadmium | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 34 | Chromium | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 35 | Copper | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 37 | Lead | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 39 | Manganese | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 40 | Nickel | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 43 | Silver | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 45 | Zinc | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 88 | Aluminum | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 93 | Beryllium | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 99 | Cobalt | ug/l | Total | Actual | | | | | 6020 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 55-6 | 608 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 147 | Pcb-aroclor 1254 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 148 | Pcb-aroclor 1260 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 165 | BHC-alpha | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 166 | BHC-delta | ug/l | Total | Actual | | | | | 608 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 167 | Endosulfan Sulfate | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 169 | Pcb-aroclor 1016 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 170 | Pcb-aroclor 1221 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 171 | Pcb-aroclor 1232 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 172 | Pcb-aroclor 1242 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 173 | Pcb-aroclor 1248 | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 403 | Heptachlor epoxide | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 405 | Endrin Aldehyde | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 411 | Endosulfan, beta- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 84 | Chlordane | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 85 | Toxaphene | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 86 | Endosulfan, alpha- | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 87 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 89 | Methoxychlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 90 | Dieldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 91 | Heptachlor | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 92 | BHC-beta | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 94 | Aldrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 95 | Endrin | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 96 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 97 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 98 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 608 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 56-6 | 614 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 101 | Malathion | ug/l | Total | Actual | | | | | 614 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 104 | Diazinon | ug/l | Total | Actual | | | | | 614 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 106 | Methyl parathion | ug/l | Total | Actual | | | | | 614 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 308 | Dichlorovos (DDVP) Acceptable Range | ug/l | Total | Actual | | | | | 614 | |
| 309 | Chloropyrifos Acceptable Range | ug/l | Total | Actual | | | | | 614 | |
| 310 | Disulfoton Acceptable Range | ug/l | Total | Actual | | | | | 614 | |
| 311 | Phorate Acceptable Range | ug/l | Total | Actual | | | | | 614 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 57-6 | 615 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 110 | 2,4-D, Dichlorophenoxyacetic acid Acceptable Range | ug/l | Total | Actual | | | | | 615 | |
| 112 | Dicamba Acceptable Range | ug/l | Total | Actual | | | | | 615 | |
| 113 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) Acceptable Range | ug/l | Total | Actual | | | | | 615 | |
| 120 | 2,4,5-T, Trichlorophenoxyacetic acid Acceptable Range | ug/l | Total | Actual | | | | | 615 | |
| 121 | Picloram Acceptable Range | ug/l | Total | Actual | | | | | 615 | |
| 257 | Dichlorprop Acceptable Range | ug/l | Total | Actual | | | | | 615 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 315 | MCPA, Methyl chlorophenoxy acetic acid | ug/l | Total | Actual | | | | | 615 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 404 | Silvex | ug/l | Total | Actual | | | | | 615 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 58-6 | 619 | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 117 | Trifluralin | ug/l | Total | Actual | | | | | 619 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 332 | Atrazine | ug/l | Total | Actual | | | | | 619 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 335 | Simazine | ug/l | Total | Actual | | | | | 619 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 342 | Alachlor | ug/l | Total | Actual | | | | | 619 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 59-6 | 6233 | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 126 | Bromochloroacetic acid (BCAA) | ug/l | Total | Actual | | | | | 6233-B | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 192 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 197 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 251 | Dibromoacetic acid (DBAA) | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 254 | Dichloroacetic acid (DCAA) | mg/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 273 | Bromoacetic acid (MBAA) | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 274 | Chloroacetic acid (MCAA) | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 296 | Trichloroacetic acid (TCAA) | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 6233-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 6-15 | TSS saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 6-6 | TSS | Sample | Water | | | | N |

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Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 14 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 61-6 | 624 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 123 | Acrolein | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 134 | Chloroform | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 138 | Methyl bromide | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 139 | Carbon tetrachloride | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 140 | Chloroethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 141 | Methyl chloride | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 142 | 1,4-Dichlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 143 | Dichloroethane, 1,2- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 144 | Dichloromethane Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 145 | Vinyl chloride Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 149 | Benzene Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 164 | Trichloroethane, 1,1,1- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 168 | Toluene Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 176 | Tetrachloroethane, 1,1,2,2- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 177 | Trichloroethane, 1,1,2- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 178 | Dichloroethane, 1,1- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 179 | 1,1-Dichloroethylene Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 187 | 1,2-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 189 | 1,3-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 194 | Methyl ethyl ketone Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 195 | 2-Chloroethyl vinyl ether Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 198 | Hexanone, 2- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 218 | Acetone | ug/l | Total | Actual | | | | | 624 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 219 | Acrylonitrile | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 239 | Carbon disulfide | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 240 | Chlorobenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 244 | Cyclohexane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 245 | Dichloroethylene, cis-1,2- ***retired*** (use CIS-1,2-DICHLO) | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 246 | cis-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 263 | Trichlorofluoromethane | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 292 | Styrene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 294 | Tetrachloroethylene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 298 | Trichloroethylene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 301 | Dichloroethene, trans-1,2- | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 302 | trans-1,3-Dichloropropene | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 303 | Vinyl acetate | ug/l | Total | Actual | | | | | 624 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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|----------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 304 | Xylenes mix of m + o + p Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 4-MET370 | Methyl isobutyl ketone Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 400 | MTBE, Methyl tertiary butyl ether Acceptable Range | ug/l | Total | Actual | | | | | 624 | |
| 82 | Dichloropropane, 1,2- Acceptable Range | ug/l | Total | Actual | | | | | 624 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 62-6 | 625 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 142 | 1,4-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 150 | Naphthalene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 184 | 1,2,4-Trichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 187 | 1,2-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 189 | 1,3-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 192 | 2,4,6-Trichlorophenol (TCPh) Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 193 | 2,6-Dinitrotoluene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 196 | Chloronaphthalene-2 | ug/l | Total | Actual | | | | | 625 | |

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|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 197 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 199 | Methylnaphthalene, 2- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 200 | Cresol, o- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 201 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 202 | Nitroaniline, 2- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 203 | Nitrophenol, 2- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 204 | Dichlorobenzidine, 3,3'- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 206 | Cresol, m- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 207 | m-Nitroaniline | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 208 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 209 | Chloroaniline, 4- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 210 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 211 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 212 | Cresol, p- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 214 | p-Nitroaniline | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 215 | p-Nitrophenol Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 216 | Acenaphthene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 217 | Acenaphthylene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 220 | Aniline Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 221 | Anthracene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 223 | Benzidine Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 224 | Benzo[a]anthracene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 225 | Benzo[a]pyrene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 226 | Benzo[b]fluoranthene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 227 | Benzo[g,h,i]perylene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 228 | Benzo[k]fluoranthene Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 229 | Benzoic acid Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 230 | Benzyl alcohol Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 231 | Butyl benzyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 232 | bis(2-chloroethoxy) methane Acceptable Range | ug/l | Total | Actual | | | | | 625 | |
| 233 | bis(2-chloroethyl) ether | ug/l | Total | Actual | | | | | 625 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 234 | Dichlorodiisopropyl ether, 2,2'- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 235 | bis(2-ethylhexyl) phthalate (DEHP) | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 243 | Chrysenes C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 247 | Dibutyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 248 | bis(n-octyl) Phthalate | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 249 | Dibenzo[a,h]anthracene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 250 | Dibenzofuran | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 258 | Diethyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 259 | Dimethyl phthalate | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 261 | Fluoranthenes, C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 262 | Fluorenes, C1-C3 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 264 | Hexachlorobenzene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 265 | Hexachlorobutadiene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 266 | Hexachlorocyclopentadiene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 267 | Hexachloroethane | ug/l | Total | Actual | | | | | 625 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 268 | Indeno[1,2,3-cd]pyrene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 269 | Isophorone | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 276 | nitro-Benzene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 278 | n-Nitrosodipropylamine | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 279 | Nitrosodimethylamine, n- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 280 | n-Nitrosodiphenylamine | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 285 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 286 | Phenanthrenes, C1-C4 | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 287 | Phenol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 288 | Pyrene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 413 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 414 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 415 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 433 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 448 | Cresol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 456 | Dinitro-o-cresol | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 457 | Azobenzene | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 458 | Carbazole | ug/l | Total | Actual | | | | | 625 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 6223 | 6223 | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 192 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 197 | Chlorophenol-2 | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 254 | Dichloroacetic acid (DCAA) | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 63-6 | 8140 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 101 | Malathion | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 104 | Diazinon | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 106 | Methyl parathion | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 308 | Dichlorovos (DDVP) | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 309 | Chloropyrifos | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 310 | Disulfoton | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 311 | Phorate | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 325 | Demeton | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| TRICH221 | Dylox | ug/l | Total | Actual | | | | | 8140 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 64-6 | 8150 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 110 | 2,4-D, Dichlorophenoxyacetic | ug/l | Total | Actual | | | | | GENERIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | acid | | | | | | | | METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 112 | Dicamba | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 113 | DNBP, 4,6-Dinitro-2-sec-butylphenol **retired**(use Dinoseb) | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 120 | 2,4,5-T, Trichlorophenoxyacetic acid | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 121 | Picloram | ug/l | Total | Actual | | | | | 8150B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 257 | Dichlorprop | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 285 | Pentachlorophenol (PCP) | ug/l | Total | Actual | | | | | 8150B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 315 | MCPA, Methyl chlorophenoxy acetic acid | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 404 | Silvex | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 66-6 | 8270B | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 142 | 1,4-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 150 | Naphthalene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 184 | 1,2,4-Trichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 187 | 1,2-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 189 | 1,3-Dichlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 192 | 2,4,6-Trichlorophenol (TCPH) Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 193 | 2,6-Dinitrotoluene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 196 | Chloronaphthalene-2 Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 197 | Chlorophenol-2 Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 199 | Methylnaphthalene, 2- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 200 | Cresol, o- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 201 | Dinitro-o-cresol Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 202 | Nitroaniline, 2- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 203 | Nitrophenol, 2- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 204 | Dichlorobenzidine, 3,3'- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| | | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 207 | m-Nitroaniline | ug/l | Total | Actual | | | | | 8270B(W) | |

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|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 208 | Bromophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 209 | Chloroaniline, 4- | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 210 | 4-Chloro-3-methylphenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 211 | Chlorophenyl-4 phenyl ether | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 214 | p-Nitroaniline | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 215 | p-Nitrophenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 216 | Acenaphthene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 217 | Acenaphthylene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 220 | Aniline | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 221 | Anthracene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 223 | Benzidine | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 224 | Benzo[a]anthracene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 225 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 226 | Benzo[b]fluoranthene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 227 | Benzo[g,h,i]perylene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 228 | Benzo[k]fluoranthene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 229 | Benzoic acid Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 230 | Benzyl alcohol Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 231 | Butyl benzyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 232 | bis(2-chloroethoxy) methane Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 233 | bis(2-chloroethyl) ether Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 234 | Dichlorodiisopropyl ether, 2,2'- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 235 | bis(2-ethylhexyl) phthalate (DEHP) Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 243 | Chrysenes C1-C4 Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 247 | Dibutyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 248 | bis(n-octyl) Phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 249 | Dibenzo[a,h]anthracene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 250 | Dibenzofuran Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 258 | Diethyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 259 | Dimethyl phthalate Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |

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|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 261 | Fluoranthenes, C1-C4 Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 262 | Fluorenes, C1-C3 Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 264 | Hexachlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 265 | Hexachlorobutadiene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 266 | Hexachlorocyclopentadiene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 267 | Hexachloroethane Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 268 | Indeno[1,2,3-cd]pyrene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 269 | Isophorone Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 276 | nitro-Benzene Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 278 | n-Nitrosodipropylamine Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 279 | Nitrosodimethylamine, n- Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 280 | n-Nitrosodiphenylamine Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 285 | Pentachlorophenol (PCP) Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 286 | Phenanthrenes, C1-C4 Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 287 | Phenol Acceptable Range | ug/l | Total | Actual | | | | | 8270B(W) | |
| 288 | Pyrene | ug/l | Total | Actual | | | | | 8270B(W) | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 413 | 2,4-Dimethylphenol | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 414 | Dinitrophenol, 2,4- | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 415 | 2,4-Dinitrotoluene | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 433 | Trichlorophenol, 2,4,5- | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 448 | Cresol | ug/l | Total | Actual | | | | | 8270B(W) | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| 67-1 | Alpha and Beta, dissolved | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| 65 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Dissolved | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| 67-15 | Alpha/beta Total Saline | Sample | Water | | | | N |

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Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| 65 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 67-19 | Alpha/beta Dissolved Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| 65 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Dissolved | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| 67-6 | Alpha and Beta, Total | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|---|---|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| 65 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| 68-1 | Radium 226, dissolved | Sample | Water | | | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 67 | Radium-226 | pCi/L | Dissolved | Actual | | | | | 903.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| 68-15 | Radium 226 total saline | Sample | Water | | | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 67 | Radium-226 | pCi/L | Total | Actual | | | | | 903.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| 68-19 | Radium 226 Diss saline | Sample | Water | | | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 67 | Radium-226 | pCi/L | Dissolved | Actual | | | | | 903.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-------------------|---|--------|--------|-----------|--------------|---------|--|
| 68-6 | Radium 226, Total | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 67 | Radium-226 | pCi/L | Total | Actual | | | | | 903.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-------------------------|---|--------|--------|-----------|--------------|---------|--|
| 69-15 | Reactive Sulfide Saline | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 160 | Sulfide | mg/l | Total | Actual | | | | | 9030A | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 69-6 | Hydrogen sulfide | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 160 | Sulfide | mg/l | Total | Actual | | | | | 9030A | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 7-15 | TVS saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 75 | Solids, Volatile | mg/l | | Calculated | | | | | 160.4 | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 7-6 | TVS | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 75 | Solids, Volatile | mg/l | | Calculated | | | | | 160.4 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|---|--------|--------|-----------|--------------|---------|
| 70-1 | Radium 228, Dissolved | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 68 | Radium-228 | pCi/L | Dissolved | Actual | | | | | 904 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 70-15 | Radium 228 Total Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 68 | Radium-228 | pCi/L | Total | Actual | | | | | 904 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| | | | | | | | |
|-----------------|------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 70-19 | Radium 228 Diss Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 68 | Radium-228 | pCi/L | Dissolved | Actual | | | | | 904 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 70-6 | Radium 228, Total | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 68 | Radium-228 | pCi/L | Total | Actual | | | | | 904 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 71-1 | Uranium by activity, Dissolved | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 105 | Uranium | pCi/L | Dissolved | Actual | | | | | 908 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|---|--------|--------|-----------|--------------|---------|
| 71-15 | Uranium By Activi Total Saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 105 | Uranium | pCi/L | Total | Actual | | | | | 908 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|---|--------|--------|-----------|--------------|---------|
| 71-19 | Uranium by Activ Diss Saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 105 | Uranium | pCi/L | Dissolved | Actual | | | | | 908 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|---|--------|--------|-----------|--------------|---------|
| 71-6 | Uranium by activitly, total | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 105 | Uranium | pCi/L | Total | Actual | | | | | 908 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------|----------------|--------|--------|-----------|--------------|---------|
| 72-15 | BTEX Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 124 | Xylenes mix of m + o + p | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 149 | Benzene | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 150 | Naphthalene | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 168 | Toluene | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 400 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 72-6 | BTEX | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 149 | Benzene | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 150 | Naphthalene | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 168 | Toluene | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 260 | Ethylbenzene | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 284 | Xylene, o- | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 400 | MTBE, Methyl tertiary butyl ether | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 422 | Xylenes, m- & p- Mix | ug/l | Total | Actual | | | | | 8021B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------------------|--|--------|--------|-----------|--------------|---------|--|
| 73-1 | Alpha Coprecipitation, Dissolv | Sample | Water | | | | N | |
| | Citations | USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | 900 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 73-15 | Alpha Coprecip total saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 00-02 | | |
| Acceptable Range | | 0.00000 - 100,000.00000 pCi/L | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| 73-19 | Alpha Coprecip Diss Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | 00-02 | | |
| Acceptable Range | | 0.00000 - 100,000.00000 pCi/L | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 73-6 | Alpha Coprecipitation, Total | Sample | Water | | | | N |

Citations USEPA, 1984, Radiochemistry Procedures Manual, Eastern Environmental Radiation Facility, USEPA, EPA 520/5-84-006

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 64 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | 900 | | |
| Acceptable Range | | 0.00000 - 100,000.00000 pCi/L | | | | | | | | | |

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|-----------------|----------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 74-15 | Misc Organics Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 121 | Picloram | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 312 | Ethylene glycol | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 313 | Propylene glycol allyl ether | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 314 | Isopropyl alcohol | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 74-6 | Miscellaneous organics | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 121 | Picloram | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 312 | Ethylene glycol | mg/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 313 | Propylene glycol allyl ether | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| 314 | Isopropyl alcohol | ug/l | Total | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|-----------------------|---|--------|--------|-----------|--------------|---------|
| 76-15 | THM's By 524.2 Saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 76-6 | THM | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 134 | Chloroform | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 135 | Bromoform | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 136 | Dichlorobromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 137 | Chlorodibromomethane | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 146 | Trihalomethanes (unspecified mix) | ug/l | Total | Actual | | | | | 524.2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 77-15 | TOX Saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 378 | Halogenated organics (unspecified mix) | ug/l | Total | Actual | | | | | 5320-B | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 77-6 | TOX | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 378 | Halogenated organics (unspecified mix) | ug/l | Total | Actual | | | | | 5320-B | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 78-15 | TPH Saline | Sample | Water | | | | N |

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Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 295 | Hydrocarbons, Volatile Petroleum (VPH) | mg/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 78-6 | TPH | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 295 | Hydrocarbons, Volatile Petroleum (VPH) | mg/l | Total | Actual | | | | | 8015B | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| | Gasoline range organics | | | | | | | | | |
| | Diesel range organics | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 79-15 | Total Coliforms Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 25 | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| 79-6 | Total Coliform | Sample | Water | | | | N |

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Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 25 | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| 8-15 | Settable Solids saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 74 | Solids, Settleable | mg/l | | Actual | | | | | 160.5 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| 8-6 | SETTABLE SOLIDS | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 74 | Solids, Settleable | mg/l | | Actual | | | | | 160.5 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| 80-15 | Fecal Coliform Saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 26 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 80-6 | Fecal Coliform | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 26 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|---|--------|--------|-----------|--------------|---------|
| 81-15 | Fecal Strep Saline | Sample | Water | | | | N |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 24 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230C | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|---|--------|--------|-----------|--------------|---------|
| 81-6 | Fecal Strep | Sample | Water | | | | N |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 24 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9230C | |
| | Acceptable Range | 0.00000 - 10,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 82-11 | Chlorophyl a from periphyton | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 79 | Chlorophyll a, uncorrected for pheophytin | mg/m2 | Total | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/m2 | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| 82-15 | Chlorophyl A saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 79 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| 82-28 | Chlorophyl A from Periphyton | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|---|---|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| 489 | Chlorophyll a, uncorrected for pheophytin | mg/m2 | Total | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/m2 | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| 82-6 | chlorophyl-a | Sample | Water | | | | | | N | |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 79 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| 83-15 | Oil and Grease saline | Sample | Water | | | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 17 | Oil and Grease | mg/l | Total | Actual | | | | | 413.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | Habitat | |
| 83-6 | Oil and Grease | Sample | Water | | | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 17 | Oil and Grease | mg/l | Total | Actual | | | | | 413.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 84-15 | RSS saline | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 115 | Solids, Fixed | mg/l | | Actual | | | | | 2540-E | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| 84-6 | RSS | Sample | Water | | | | N | |
| | Citations | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 115 | Solids, Fixed | mg/l | | Actual | | | | | 2540-E | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------------|---|--------|--------|-----------|--------------|---------|--|
| 87-1 | Selenium GF/AA Dissolved | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 200.9 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|----------------------|---|--------|--------|-----------|--------------|---------|--|
| 87-19 | Se GF/AA Diss saline | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 42 | Selenium | ug/l | Dissolved | Actual | | | | | 200.9 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-----------------------------|---|--------|--------|-----------|--------------|---------|--|
| 87-2 | Selenium GF/AA acid soluble | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 42 | Selenium | ug/l | Acid Soluble | Actual | | | | | 200.9 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-----------------------|---|--------|--------|-----------|--------------|---------|--|
| 87-20 | Se GF/AA Total saline | Sample | Water | | | | N | |
| | Citations | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 42 | Selenium | ug/l | Total | Actual | | | | | 200.9 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|--------------------------|---|--------|--------|-----------|--------------|---------|
| 87-21 | Se GF/AA Acid Sol saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 42 | Selenium | ug/l | Acid Soluble | Actual | | | | | 200.9 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------|---|--------|--------|-----------|--------------|---------|
| 87-3 | Selenium GF/AA total | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 42 | Selenium | ug/l | Total | Actual | | | | | 200.9 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------|---|--------|--------|-----------|--------------|---------|
| 9-15 | Turbidity saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| 61 | Turbidity | NTU | | Actual | | | | | 180.1 | | |
| | Acceptable Range | 0.00000 - 100,000.00000 NTU | | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 9-3 | Turbidity Total | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 61 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 NTU | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 9-6 | TURBIDITY | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 61 | Turbidity | NTU | | Actual | | | | | 180.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 NTU | | | | | | | | |

| | | | | | | | |
|-----------------|--------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 91-15 | Perchlorate saline | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 416 | Perchlorate | ug/l | Total | Actual | | | | | 314 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| 91-6 | Perchlorate | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 416 | Perchlorate Acceptable Range | ug/l | Total | Actual | | | | | 314 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 92-6 | 508.0 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 147 | Pcb-aroclor 1254 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 148 | Pcb-aroclor 1260 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 169 | Pcb-aroclor 1016 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 170 | Pcb-aroclor 1221 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 171 | Pcb-aroclor 1232 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 172 | Pcb-aroclor 1242 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 173 | Pcb-aroclor 1248 Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 264 | Hexachlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 266 | Hexachlorocyclopentadiene Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 403 | Heptachlor epoxide Acceptable Range | ug/l | Total | Actual | | | | | 508 | |
| 84 | Chlordane | ug/l | Total | Actual | | | | | 508 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 85 | Toxaphene | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 87 | BHC-gamma (Lindane) | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 89 | Methoxychlor | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 90 | Dieldrin | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 91 | Heptachlor | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 94 | Aldrin | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 95 | Endrin | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 96 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 97 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 98 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 508 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 93-6 | 508.1 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 147 | Pcb-aroclor 1254 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 148 | Pcb-aroclor 1260 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 169 | Pcb-aroclor 1016 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 170 | Pcb-aroclor 1221 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 171 | Pcb-aroclor 1232 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 172 | Pcb-aroclor 1242 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 173 | Pcb-aroclor 1248 Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 264 | Hexachlorobenzene Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 266 | Hexachlorocyclopentadiene Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 403 | Heptachlor epoxide Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 84 | Chlordane Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 85 | Toxaphene Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 87 | BHC-gamma (Lindane) Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 89 | Methoxychlor Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 90 | Dieldrin Acceptable Range | ug/l | Total | Actual | | | | | 508.1 | |
| 91 | Heptachlor | ug/l | Total | Actual | | | | | 508.1 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 94 | Aldrin | ug/l | Total | Actual | | | | | 508.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 95 | Endrin | ug/l | Total | Actual | | | | | 508.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 96 | DDT ***retired*** (use DDT, p,p'-) | ug/l | Total | Actual | | | | | 508.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 97 | DDE ***retired*** (use DDE, p,p'-) | ug/l | Total | Actual | | | | | 508.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 98 | DDD ***retired*** (use DDD, p,p') | ug/l | Total | Actual | | | | | 508.1 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| 94-6 | 552 | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 126 | Bromochloroacetic acid (BCAA) | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 192 | 2,4,6-Trichlorophenol (TCPh) | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 197 | Chlorophenol-2 | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 251 | Dibromoacetic acid (DBAA) | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 254 | Dichloroacetic acid (DCAA) | ug/l | Total | Actual | | | | | 552 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 273 | Bromoacetic acid (MBAA) | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 274 | Chloroacetic acid (MCAA) | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 296 | Trichloroacetic acid (TCAA) | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 412 | 2,4-Dichlorophenol | ug/l | Total | Actual | | | | | 552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 95-6 | 6251B | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 126 | Bromochloroacetic acid (BCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 251 | Dibromoacetic acid (DBAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 254 | Dichloroacetic acid (DCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 273 | Bromoacetic acid (MBAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 274 | Chloroacetic acid (MCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| 296 | Trichloroacetic acid (TCAA) | ug/l | Total | Actual | | | | | 6251B/552 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| 96-6 | 8260B | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------|---|--------|--------|-----------|--------------|---------|
| 97-15 | Radon by 913 saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 114 | Radon-222 | pCi/L | Total | Actual | | | | | 913.0 | |
| Acceptable Range | | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------|---|--------|--------|-----------|--------------|---------|
| 97-6 | Radon by 913.0 | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 114 | Radon-222 | pCi/L | Total | Actual | | | | | 913.0 | |
| Acceptable Range | | 0.00000 - 1,000,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------------|---|--------|--------|-----------|--------------|---------|
| 98-15 | Radon by 7500 saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 114 | Radon-222 | pCi/L | Total | Actual | | | | | 7500-RA(B) | |
| Acceptable Range | | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|----------------|---|--------|--------|-----------|--------------|---------|
| 98-6 | Radon by 7500B | Sample | Water | | | | N |
| Citations | | American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 114 | Radon-222 | pCi/L | Total | Actual | | | | | 7500-RA(B) | |
| Acceptable Range | | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------------------------|---|--------|--------|-----------|--------------|---------|
| 99-15 | Oil and Grease Hexane Saline | Sample | Water | | | | N |
| Citations | | USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 17 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| Acceptable Range | | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 438 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| Acceptable Range | | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|---------------------|--|--------|--------|-----------|--------------|---------|
| 99-6 | Oil & Grease Hexane | Sample | Water | | | | N |
| Citations | | USEPA, 1992, Methods for the Determination of Diesel, Mineral, and Crude Oils in Offshore Oil and Gas Industry Discharges, USEPA, EPA 821/R-92-008 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 17 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| Acceptable Range | | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| 438 | Oil and Grease | mg/l | Total | Actual | | | | | 1664 | |
| Acceptable Range | | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| B2 | B2 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| B.O.D64 | BOD, Biochemical oxygen demand | mg/l | Total | Actual | | | 5 Day | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| B6 | B6 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| BOD7 | BOD, Biochemical oxygen demand | mg/l | Dissolved | Actual | | | 5 Day | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| CARB.8 | BOD, carbonaceous | mg/l | Total | Actual | | | 5 Day | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| SOL/C9 | BOD, carbonaceous | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| BA2 | MPN | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| M.F. 390 | Fecal Coliform | | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| M.F. 391 | Fecal Coliform | | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 | | | | | | | | |
| M.P.N387 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9221-E | |
| | Acceptable Range | 0.00000 - 99,000,000.00000 #/100ml | | | | | | | | |
| M.P.N388 | Fecal Coliform | | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 | | | | | | | | |
| MPNTC25 | Total Coliform | #/100ml | Total | Actual | | | | | 9221-C | |
| | Acceptable Range | 0.00000 - 99,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| BA3 | Bacti membrane filter | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|------------------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| MFFC29 | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |
| MFFS27 | Fecal Streptococcus Group Bacteria | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 #/100ml | | | | | | | | |
| MFTC28 | Total Coliform | #/100ml | Total | Actual | | | | | 9222-B | |
| | Acceptable Range | 0.00000 - 9,000,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------|----------------|--------|--------|-----------|--------------|---------|
| BLMSHL | BLM State Health Lab | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Nitrogen, ammonia (NH3) as NH3 | | | | | | | | | |
| | Boron | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| BUGS1 | Fred M's Bug List | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Citations American Public Health Association, 1992, Standard Methods for the Examination of Water and Wastewater, 18th Edition., American Public Health Association, 18th Edition

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Heptageniidae | | #/m3 | Calculated | Mean | | | |
| 10 | Rhyacophila | | | Actual | | | | |
| 11 | Hydropsyche | | | Actual | | | | |
| 12 | Arctopsyche | | | Actual | | | | |
| 2 | Heptagenia | | | Actual | | | | |
| 3 | Ephemerellidae | | | Actual | | | | |
| 4 | Zapada haysi | | | Actual | | | | |
| 5 | Kogotus | | | Actual | | | | |
| 6 | Isoperla | | | Actual | | | | |
| 7 | Isoperla | | | Actual | | | | |
| 8 | Perlomyia | | | Actual | | | | |
| 9 | Rhyacophila | | | Actual | | | | |
| 98 | Pteronarcys | | | Actual | | | | |
| | Aeshna | | | | | | | |
| | Aeshnidae | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Agabus | | | | | | | |
| | Agapetus | | | | | | | |
| | Agathon | | | | | | | |
| | Agrionidae | | | | | | | |
| | Allocosmoecus | | | | | | | |
| | Ambrysus mormon | | | | | | | |
| | Ameletus | | | | | | | |
| | Amiocentrus | | | | | | | |
| | Amphinemura | | | | | | | |
| | Amphipoda | | | | | | | |
| | Anax | | | | | | | |
| | Antocha monticola | | | | | | | |
| | Apatania | | | | | | | |
| | Arctopsyche | | | | | | | |
| | Arctopsyche grandis | | | | | | | |
| | Argia | | | | | | | |
| | Asellidae | | | | | | | |
| | Asellus | | | | | | | |
| | Atherix | | | | | | | |
| | Atopsyche | | | | | | | |
| | Attenella | | | | | | | |
| | Attenella delantala | | | | | | | |
| | Attenella margarita | | | | | | | |
| | Attenuatella | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Baetidae | | | | | | | |
| | Baetis | | | | | | | |
| | Bezzia | | | | | | | |
| | Blepharicera | | | | | | | |
| | Blephariceridae | | | | | | | |
| | Brachycentridae | | | | | | | |
| | Brachycentrus | | | | | | | |
| | Brachycentrus americanus | | | | | | | |
| | Brachycentrus occidentalis | | | | | | | |
| | Calamoceratidae | | | | | | | |
| | Calineuria californica | | | | | | | |
| | Capniidae | | | | | | | |
| | Carabidae | | | | | | | |
| | Caudatella | | | | | | | |
| | Caudatella heterocaudata | | | | | | | |
| | Caudatella hystrix | | | | | | | |
| | Ceraclea | | | | | | | |
| | Ceratopogonidae | | | | | | | |
| | Chelifera | | | | | | | |
| | Cheumatopsyche | | | | | | | |
| | Chimarra | | | | | | | |
| | Chironomidae | | | | | | | |
| | Chironomini | | | | | | | |
| | Chloroperlidae | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Cinygmula | | | | | | | |
| | Claassenia sabulosa | | | | | | | |
| | Clinocera | | | | | | | |
| | Cloeon | | | | | | | |
| | Coenagrionidae | | | | | | | |
| | Coleoptera | | | | | | | |
| | Copepoda | | | | | | | |
| | Cordulegaster | | | | | | | |
| | Cordulegastridae | | | | | | | |
| | Corixidae | | | | | | | |
| | Corydalidae | | | | | | | |
| | Corydalus | | | | | | | |
| | Crustacea | | | | | | | |
| | Culicidae | | | | | | | |
| | Cultus | | | | | | | |
| | Daphnia | | | | | | | |
| | Decapoda | | | | | | | |
| | Despaxia augusta | | | | | | | |
| | Dicosmoecus | | | | | | | |
| | Dicranota | | | | | | | |
| | Diplectronea | | | | | | | |
| | Diptera | | | | | | | |
| | Diura knowltoni | | | | | | | |
| | Dixa | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Dixidae | | | | | | | |
| | Dolophilodes | | | | | | | |
| | Doroneuria | | | | | | | |
| | Doroneuria baumanni | | | | | | | |
| | Doroneuria theodora | | | | | | | |
| | Drunella | | | | | | | |
| | Drunella coloradensis | | | | | | | |
| | Drunella grandis | | | | | | | |
| | Drunella spinifera | | | | | | | |
| | Dytiscidae | | | | | | | |
| | Ecclisomyia | | | | | | | |
| | Ectopria | | | | | | | |
| | Elmidae | | | | | | | |
| | Empididae | | | | | | | |
| | Epeorus | | | | | | | |
| | Epeorus longimanus | | | | | | | |
| | Ephemerella | | | | | | | |
| | Ephemerella inermis | | | | | | | |
| | Ephemerellidae | | | | | | | |
| | Ephemeroptera | | | | | | | |
| | Erpobdella | | | | | | | |
| | Eubrianax | | | | | | | |
| | Euparyphus | | | | | | | |
| | Forcipomyia | | | | | | | |

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|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Gammarus | | | | | | | |
| | Gastropoda | | | | | | | |
| | Glossosoma | | | | | | | |
| | Glossosomatidae | | | | | | | |
| | Glutops | | | | | | | |
| | Gomphidae | | | | | | | |
| | Gumaga | | | | | | | |
| | Haliplidae | | | | | | | |
| | Helicopsyche borealis | | | | | | | |
| | Helobdella | | | | | | | |
| | Hemerodromia | | | | | | | |
| | Hemiptera | | | | | | | |
| | Heptagenia | | | | | | | |
| | Heptagenia simplicioides | | | | | | | |
| | Hesperoperla | | | | | | | |
| | Hesperoperla pacifica | | | | | | | |
| | Hesperophylax | | | | | | | |
| | Heteroplectron | | | | | | | |
| | Hexatoma | | | | | | | |
| | Hirudinea | | | | | | | |
| | Hyalella azteca | | | | | | | |
| | Hydrophilidae | | | | | | | |
| | Hydropsyche | | | | | | | |
| | Hydropsychidae | | | | | | | |

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|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Hydroptila | | | | | | | |
| | Hydroptilidae | | | | | | | |
| | Ironodes | | | | | | | |
| | Isogenoides | | | | | | | |
| | Isoperla | | | | | | | |
| | Isoperla ebria | | | | | | | |
| | Isoperla fusca | | | | | | | |
| | Isopoda | | | | | | | |
| | Kathroperla perdita | | | | | | | |
| | Kogotus | | | | | | | |
| | Kogotus modestus | | | | | | | |
| | Lara | | | | | | | |
| | Lepidoptera | | | | | | | |
| | Lepidostomatidae | | | | | | | |
| | Leptoceridae | | | | | | | |
| | Leptohyphes | | | | | | | |
| | Leptophlebiidae | | | | | | | |
| | Leucotrichia | | | | | | | |
| | Leuctridae | | | | | | | |
| | Limnephilidae | | | | | | | |
| | Limnephilus | | | | | | | |
| | Lumbricidae | | | | | | | |
| | Lymnaea | | | | | | | |
| | Lymnaeidae | | | | | | | |

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|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Malenka | | | | | | | |
| | Maruina | | | | | | | |
| | Mayatrichia | | | | | | | |
| | Megaloptera | | | | | | | |
| | Megarcys | | | | | | | |
| | Megarcys signata | | | | | | | |
| | Micrasema | | | | | | | |
| | Naididae | | | | | | | |
| | Naucoridae | | | | | | | |
| | Nectopsyche | | | | | | | |
| | Nematoda | | | | | | | |
| | Nemouridae | | | | | | | |
| | Neophylax | | | | | | | |
| | Neothremma | | | | | | | |
| | Neotrichia | | | | | | | |
| | Octogomphus | | | | | | | |
| | Odonata | | | | | | | |
| | Oecetis | | | | | | | |
| | Oligochaeta | | | | | | | |
| | Oligophlebodes | | | | | | | |
| | Ophiogomphus | | | | | | | |
| | Optioservus | | | | | | | |
| | Oreogeton | | | | | | | |
| | Orthoclaadiinae | | | | | | | |

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|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Ostracoda | | | | | | | |
| | Paraleptophlebia | | | | | | | |
| | Paraleuctra | | | | | | | |
| | Paraperla | | | | | | | |
| | Parapsyche | | | | | | | |
| | Parapsyche elsis | | | | | | | |
| | Pedomoecus | | | | | | | |
| | Pelecorhynchidae | | | | | | | |
| | Pelecypoda | | | | | | | |
| | Peltoperlidae | | | | | | | |
| | Pericoma | | | | | | | |
| | Perlinodes aurea | | | | | | | |
| | Perlodidae | | | | | | | |
| | Perlomyia | | | | | | | |
| | Petrophila | | | | | | | |
| | Philopotamidae | | | | | | | |
| | Physa | | | | | | | |
| | Physidae | | | | | | | |
| | Planaria | | | | | | | |
| | Planorbidae | | | | | | | |
| | Plecoptera | | | | | | | |
| | Podmosta | | | | | | | |
| | Polycentropodidae | | | | | | | |
| | Polycentropus | | | | | | | |

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|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Prosimulium | | | | | | | |
| | Prostoia | | | | | | | |
| | Protophila | | | | | | | |
| | Psephenidae | | | | | | | |
| | Psephenus | | | | | | | |
| | Psychodidae | | | | | | | |
| | Psychomyia | | | | | | | |
| | Psychomyiidae | | | | | | | |
| | Pteronarcella | | | | | | | |
| | Pteronarcella badia | | | | | | | |
| | Pteronarcyidae | | | | | | | |
| | Pteronarcys | | | | | | | |
| | Pteronarcys californica | | | | | | | |
| | Pyralidae | | | | | | | |
| | Rhagionidae | | | | | | | |
| | Rhithrogena | | | | | | | |
| | Rhithrogena hageni | | | | | | | |
| | Rhithrogena robusta | | | | | | | |
| | Rhyacophila | | | | | | | |
| | Rhyacophila acropedes | | | | | | | |
| | Rhyacophila angelita | | | | | | | |
| | Rhyacophila coloradensis | | | | | | | |
| | Rhyacophila hyalinata | | | | | | | |
| | Rhyacophila oreta | | | | | | | |

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|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Rhyacophila rotunda | | | | | | | |
| | Rhyacophila tucula | | | | | | | |
| | Rhyacophila vagrita | | | | | | | |
| | Rhyacophila vepulsa | | | | | | | |
| | Rhyacophila verrula | | | | | | | |
| | Rhyacophiliidae | | | | | | | |
| | Sericostomatidae | | | | | | | |
| | Serratella | | | | | | | |
| | Serratella tibialis | | | | | | | |
| | Sialidae | | | | | | | |
| | Sialis | | | | | | | |
| | Simuliidae | | | | | | | |
| | Simulium | | | | | | | |
| | Siphonuridae | | | | | | | |
| | Skwala | | | | | | | |
| | Soliperla | | | | | | | |
| | Stratiomyidae | | | | | | | |
| | Suwallia | | | | | | | |
| | Sweltsa | | | | | | | |
| | Tabanidae | | | | | | | |
| | Tabanus | | | | | | | |
| | Taenionema | | | | | | | |
| | Taeniopterygidae | | | | | | | |
| | Taeniopteryx | | | | | | | |

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|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Tanypodinae | | | | | | | |
| | Tinodes | | | | | | | |
| | Tipula | | | | | | | |
| | Tipulidae | | | | | | | |
| | Trichoptera | | | | | | | |
| | Tricorythodes | | | | | | | |
| | Tricorythodes minutus | | | | | | | |
| | Tubificidae | | | | | | | |
| | Visoka cataractae | | | | | | | |
| | Wormaldia | | | | | | | |
| | Yoraperla | | | | | | | |
| | Yoraperla brevis | | | | | | | |
| | Zaitzevia | | | | | | | |
| | Zapada | | | | | | | |
| | Zapada cinctipes | | | | | | | |
| | Zapada haysi | | | | | | | |
| | Zapada oregonensis | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| C0 | C0 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ASBES303 | Asbestos | % | Total | Actual | | | | | GENERIC METHOD2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| BROMI302 | Bromide | mg/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| COLOR525 | Color, True | None | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 None | | | | | | | | |
| DISS 297 | Solids, Dissolved | mg/l | | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| ODOR,530 | Odor, Threshold Number | None | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 None | | | | | | | | |
| SODIU298 | Sodium | | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 | | | | | | | | |
| TURBI276 | Turbidity | NTU | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| C2 | C2 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PH63 | pH | None | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| RESID524 | Solids, Fixed | mg/l | | Actual | | | | | 2540-E | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|------------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| C3 | C3 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CALCI397 | Calcium | mg/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| MAGNE403 | Magnesium | mg/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| POTAS406 | Potassium | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| SODIU409 | Sodium | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| C4 | C4 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A | Sulfur, sulfate (SO4) as SO4 | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| BICAR459 | Bicarbonate | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| CARBO460 | Carbon dioxide | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| CARBO461 | Carbonate ion (CO3-2) | mg/l | Total | Actual | | | | | GENERIC METHOD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| CHLOR462 | Chloride | mg/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| FLUOR463 | Fluorides | mg/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| HYDRO464 | Hydroxide | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| SILIC468 | Silica | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| SP. C476 | Specific conductance | umho/cm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| SP. G475 | Specific gravity | None | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.50000 - 1.50000 None | | | | | | | | |
| SURFA473 | MBAS (detergents, surfactants) | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| T. AL471 | Alkalinity, Carbonate as CaCO3 | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| T. HD472 | Hardness, Ca + Mg | mg/l | Total | Calculated | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| TDS@477 | Solids, Dissolved | mg/l | | Actual | | | | | 2540-C | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| TURBI474 | Turbidity | NTU | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| C6 | C6 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| DS | Solids, Dissolved | mg/l | | Actual | | | | | 2540-C | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| SOLID5 | Solids, Total Suspended (TSS) | mg/l | | Actual | | | | | 2540-D | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| SOLID6 | Solids, Total Suspended (TSS) | mg/l | Volatile | Calculated | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CHLORINE | Residual Chlorine | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CHLORINE | Chlorine | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CN2 | CN2 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CYANL | Cyanides Amenable to Chlorination | mg/l | Total | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| CYANI296 | Cyanide | mg/l | Total | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CYANI325 | Cyanide | | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 | | | | | | | | |
| CYANI71 | Cyanide | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| CYANIH+ | Cyanide | mg/l | Acid Soluble | Actual | | | | | 335.4 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| COILERT | Field Coliform results by Coil | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 10 | Total Coliform | #/100ml | Total | Actual | | | | | COILERT | |
| | Acceptable Range | 0.00000 - 3,000.00000 #/100ml | | | | | | | | |
| 13 | Escherichia coli | #/100ml | Total | Actual | | | | | COILERT | |
| | Acceptable Range | 0.00000 - 3,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| CUWCDBAC | CUWCDBacti results | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|------------|---------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| E. COL. | Escherichia coli | #/100ml | Total | Actual | | | | | 9223-B | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |
| FEC. | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |
| FEC.STREP. | Fecal Streptococcus Group | #/100ml | Total | Actual | | | | | 9222-D | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|-------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Bacteria | | | | | | | | | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |
| T. COL. | Total Coliform | #/100ml | Total | Actual | | | | | 9223-B | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|--------|--------|-----------|--------------|---------|
| DEPTH | Depth of Sampling Site | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NA | Depth | m | | Actual | | | | | FIELD MEASURES | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| F1AIR | General Weather Obs | Field Msr/Obs | Air | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AIR T152 | Temperature, air | deg C | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|----------------|--------|--------|-----------|--------------|---------|
| FA0-0 | Field msr/obs blank blank | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|--------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | | | | | | | | | MEASURES | |
| 21 | Chlorine | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 30 | Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 31 | Depth, Secchi Disk Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 m | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 m | | | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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|----------|--------------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA00-0 | Field Msr/Obs Blank Blank Blan | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 30 | Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 m | | | | | | | | |
| 31 | Depth, Secchi Disk Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 m | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA1-0 | Field Msr/Obs Blank m | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA100-0 | Field Msr/Obs mee | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | mgd | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 mgd | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA101-0 | Field Msr/Obs mem | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | mgd | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 mgd | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA110-0 | Field Msr/Obs mm blank/e | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | mgd | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 mgd | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA111-0 | Field Msr/Obs mmm | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | mgd | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 mgd | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA200-0 | Field Msr/Obs gee | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | gal/min | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 gal/min | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA201-0 | Field Msr/Obs gem | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | gal/min | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 gal/min | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA210-0 | Field Msr/Obs gm blank/e | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | gal/min | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 gal/min | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA211-0 | Field Msr/Obs gmm | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | gal/min | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 gal/min | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FA300-0 | Field Msr/Obs cee | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 16 | Flow | cfs | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 30 | Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 m | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 31 | Depth, Secchi Disk Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 20.00000 m | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| FA301-0 | Field Msr/Obs cem | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Flow | cfs | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | MEASURES | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | MEASURES | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | MEASURES | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 32.00000 NTU | | | | | | | MEASURES | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|--------|--------|-----------|--------------|---------|
| FA310-0 | Field Msr/Obs cm blank/e | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Flow | cfs | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | MEASURES | |
| 19 | Velocity - stream | ft/sec | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | MEASURES | |
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | MEASURES | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | MEASURES | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 31 | Depth, Secchi Disk Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 20.00000 m | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|--------|--------|-----------|--------------|---------|
| FA311-0 | Field Msr/Obs cmm | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 16 | Flow | cfs | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |
| 19 | Velocity - stream | ft/sec | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 ft/sec | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 21 | Chlorine | mg/l | Total Residual | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 10.00000 mg/l | | | | | | | | |
| 24 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 25 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 26 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 27 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 28 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 29 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 32 | Turbidity | NTU | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|------------|--------|-----------|--------------|---------|
| FISHGDIG | Mercury in Fish CVAA w/ Digest | Sample | Biological | Tissue | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|-------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| HG | Mercury | mg/kg | Total | Actual | | | | | 245.6 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 mg/kg | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------|----------------|------------|------------|-----------|--------------|---------|
| FISHLGWT | Fish length and weight | Sample | Biological | Individual | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LENGTH | Length, Total (Fish) | mm | | Actual | | | | | | |
| | Acceptable Range | 50.00000 - 1,500.00000 mm | | | | | | | | |
| WEIGHT | Weight | g | | Actual | | | | | | |
| | Acceptable Range | 50.00000 - 20,000.00000 g | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------|----------------|--------|--------|-----------|--------------|---------|
| FLOOD | flood results | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| COD | COD, Chemical Oxygen Demand | mg/l | Total | Actual | | | | | 410.4 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| ECOLI | Escherichia coli | #/100ml | Total | Actual | | | | | COLILERT | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |
| FECAL | Fecal Coliform | #/100ml | Total | Actual | | | | | 9222-D | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| FLOW | Flow only | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FLOW | Flow | cfs | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 cfs | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------------|---|--------|--------|-----------|--------------|---------|
| FLOWSLC | Flows by Salt Lake County | Field Msr/Obs | Water | | | | N |
| | Citations | Division of Water Quality, 1996, Division of Water Quality Quality Assurance/Quality Control Manual, Division of Water Quality, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SLC | Flow | cfs | | Actual | | | | | SLC FLOWS | |
| | Acceptable Range | 0.00000 - 10,000.00000 cfs | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| FM11 | General Station Obs | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 3 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 4 | Specific conductance | umho/cm | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 5 | Flow | mgd | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 mgd | | | | | | | | |
| 7 | Chlorine | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |
| 8 | Temperature, air | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| CARBO56 | Carbon dioxide | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| DEPTH57 | Depth | m | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000.00000 m | | | | | | | | |
| FLOW60 | Flow | gal/min | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 gal/min | | | | | | | | |
| FLOW61 | Flow | cfs | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 cfs | | | | | | | | |
| SECCH55 | Depth, Secchi Disk Depth | m | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |
| SPECI54 | Specific gravity | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.50000 - 1.50000 None | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|--------|--------|-----------|--------------|---------|
| FM12 | Flow mgd estimated | Field Msr/Obs | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-------------------------|---------------------|-----------------------------------|-----------------|---------------|------------------|---------------------|----------------|------------|---------------------|----------------------------|
| A | Flow | mgd | | Estimated | | | | | FIELD MEASURES | |
| Acceptable Range | | 0.00000 - 1,000,000.00000 mgd | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| FM21 | Flow gpm Measured | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A | Flow | gal/min | | Actual | | | | | FIELD MEASURES | |
| Acceptable Range | | 0.00000 - 1,000,000.00000 gal/min | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| FM22 | flow gpm estimated | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A | Flow | gal/min | | Estimated | | | | | FIELD MEASURES | |
| Acceptable Range | | 0.00000 - 1,000,000.00000 gal/min | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
| FM31 | flow cfs measred | Field Msr/Obs | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FLOWC63 | Flow | cfs | | Actual | | | | | FIELD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------------|--|--------------------------------|-----------------|---------------|------------------|--------------|----------------|---------------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| FM32 | flow cfs estimated | Field Msr/Obs | Water | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| FLOWC63E | Flow | cfs | | Estimated | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |
| Group ID | Group Name | Field Activity | Medium | Intent | Community | | | Result Group | | Habitat |
| FN4 | FN4 | Sample | Water | | | | | | | N |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 28 | Nitrogen, ammonia as N | mg/l | Dissolved | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |
| A | Carbon, Total Organic (Toc) | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| DIS. 151 | Phosphorus as P | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| NO2+N299 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| NO2, 306 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| NO3, 305 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| OPO4,304 | Phosphorus, orthophosphate as P | mg/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| GRAYBUGS | Macroinvertebrates by Gray Lab | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| 273 | Callibaetis | | count | Actual | | 9 | GC | |
| 286 | Caenis | | count | Actual | | | GC | |
| 350 | Ischnura | | count | Actual | | | PR | |
| 431 | Oecetis | | count | Actual | | | PR | |
| 432 | Ylodes | | count | Actual | | | SH | |
| | Acarina | | | | | | | |
| | Aeshna californica | | | | | | | |
| | Corisella inscripta | | | | | | | |
| | Erythemis collocata | | | | | | | |
| | Hesperocorixa laevigata | | | | | | | |
| | Tremea lacerata | | | | | | | |
| | Trichocorixa verticalis | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|--------|--------|-----------|--------------|---------|
| GRAYHAB | summary stats from grays lab | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NUMBER | Hilsenhoff Biotic Index | | | Actual | | | | | | |
| | Macroinvertebrates | count | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 10,000.00000 count | | | | | | | | |
| | Daconil | | | | | | | | | |
| | Abietylamine | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| J0 | J0 | Sample | Soil | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| T-ARS535 | Arsenic | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-BAR536 | Barium | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-CAD537 | Cadmium | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-CHR538 | Chromium | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-COP540 | Copper | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-IRO541 | Iron | ppm | Total | Actual | | | | | GENERIC METHOD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-LEA542 | Lead | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-MAN543 | Manganese | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-MER546 | Mercury | ppm | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-SEL547 | Selenium | ppm | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-SIL548 | Silver | ppm | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |
| T-ZIN549 | Zinc | ppm | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ppm | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| JUNK | junk | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Iron | | | | | | | | | |
| | Mercury | | | | | | | | | |
| | Nickel | | | | | | | | | |
| | Uranium | | | | | | | | | |
| | Barium | | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Arsenic | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|--------|--------|-----------|--------------|---------|
| LAKEPRO | Lake Profile Char Group | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 3 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 umho/cm | | | | | | | | |
| 4 | Salinity | ppt | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 ppt | | | | | | | | |
| 5 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 6 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 7 | Depth | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 400.00000 m | | | | | | | | |

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| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| LAKEPRO2 | Lake profile char group | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 3 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100,000.00000 umho/cm | | | | | | | | |
| 4 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 5 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 6 | Depth, data-logger (ported) | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 400.00000 m | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| LGSLPRO | Great Salt Lake profile | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | pH | None | Total | Actual | | | | | FIELD MEASURES | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 3 | Specific conductance | umho/cm | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 4 | Depth, data-logger (ported) | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 500.00000 m | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------------|----------------|--------|--------|-----------|--------------|---------|
| LGSLPRO2 | Great Salt Lake profile w/ DO | Data Logger | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 1.00000 - 14.00000 None | | | | | | | | |
| 3 | Specific conductance | umho/cm | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 umho/cm | | | | | | | | |
| 4 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 5 | Depth, data-logger (ported) | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 1.00000 - 100.00000 m | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--------------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| LGSLPRO3 | GSL proofiel w/ DO w/o Sp. Con | Data Logger | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 1 | Temperature, water | deg C | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | pH | None | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 14.00000 None | | | | | | | | |
| 3 | Dissolved oxygen saturation | % | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 150.00000 % | | | | | | | | |
| 4 | Dissolved oxygen (DO) | mg/l | Total | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 25.00000 mg/l | | | | | | | | |
| 5 | Depth, data-logger (ported) | m | | Actual | | | | | FIELD MEASURES | |
| | Acceptable Range | 0.00000 - 100.00000 m | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| M3 | M3 | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A | Iron | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 ug/l | | | | | | | | |
| ALUMI19 | Aluminum | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| ARSEN393 | Arsenic | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| BARIU394 | Barium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| BERYL25 | Beryllium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| BORON395 | Boron | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| CADMI396 | Cadmium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| CHROM398 | Chromium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| CHROM399 | Chromium, hexavalent | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| COBAL31 | Cobalt | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| COPPE400 | Copper | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| D-ANT270 | Antimony | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| D-MER301 | Mercury | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| D-THA554 | Thallium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |

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|----------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| GOLD35 | Gold | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| LEAD402 | Lead | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| MANGA404 | Manganese | ug/l | Dissolved | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| MOLYB36 | Molybdenum | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| NICKE405 | Nickel | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| SELEN407 | Selenium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| SILVE408 | Silver | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| VANAD42 | Vanadium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| ZINC410 | Zinc | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| M5 | M5 | Sample | Water | | | | N |

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|----------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| H+ALU478 | Aluminum | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+ANT271 | Antimony | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+ARS479 | Arsenic | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+BAR480 | Barium | mg/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| H+BER481 | Beryllium | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+BOR320 | Boron | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+CAD482 | Cadmium | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+CHR483 | Chromium | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+COB484 | Cobalt | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+COP485 | Copper | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+GOL486 | Gold | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| H+IRO487 | Iron | mg/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| H+LEA488 | Lead | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+MAN489 | Manganese | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+MER490 | Mercury | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| H+MOL491 | Molybdenum | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+NIC492 | Nickel | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+SEL493 | Selenium | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+SIL494 | Silver | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| H+THA267 | Thallium | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| H+URA495 | Uranium | pCi/L | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| H+VAN496 | Vanadium | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| H+ZIN497 | Zinc | ug/l | Acid Soluble | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| M7 | M7 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALUMI43 | Aluminum | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| ARSEN44 | Arsenic | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| BARIU45 | Barium | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| BERYL46 | Beryllium | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| CADMI47 | Cadmium | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| CHROM48 | Chromium | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| COBAL49 | Cobalt | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-ANT526 | Antimony | ug/l | Total | Actual | | | | | GENERIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | METHOD | |
| T-BOR522 | Boron | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-CAL321 | Calcium | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| T-COP504 | Copper | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-GOL505 | Gold | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-IRO506 | Iron | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| T-LEA508 | Lead | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-MAG322 | Magnesium | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| T-MAN511 | Manganese | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-MER512 | Mercury | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-MOL513 | Molybdenum | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-NIC514 | Nickel | ug/l | Total | Actual | | | | | GENERIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-POT323 | Potassium | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| T-SEL515 | Selenium | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-SIL516 | Silver | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-SOD324 | Sodium | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 mg/l | | | | | | | | |
| T-THA531 | Thallium | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-VAN520 | Vanadium | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |
| T-ZIN519 | Zinc | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MACLIST | Macroinvertebrate first list | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acarina | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Antocha | | | | | | | |
| | Arctopsyche | | | | | | | |
| | Atherix | | | | | | | |
| | Baetidae | | | | | | | |
| | Blephariceridae | | | | | | | |
| | Brachycentrus | | | | | | | |
| | Chironomidae | | | | | | | |
| | Chloroperlidae | | | | | | | |
| | Cultus | | | | | | | |
| | Elmidae | | | | | | | |
| | Empididae | | | | | | | |
| | Ephemerella doddsi | | | | | | | |
| | Ephemerella grandis | | | | | | | |
| | Ephemerella inermis | | | | | | | |
| | Hexatoma | | | | | | | |
| | Hydropsyche | | | | | | | |
| | Limnephilidae | | | | | | | |
| | Micrasema | | | | | | | |
| | Nematoda | | | | | | | |
| | Neothremma | | | | | | | |
| | Oligochaeta | | | | | | | |
| | Paraleptophlebia | | | | | | | |
| | Plecoptera | | | | | | | |
| | Pteronarcella | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Rhithrogena | | | | | | | |
| | Rhyacophila | | | | | | | |
| | Zapada | | | | | | | |
| | Limnogale mergulus | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MACLIST1 | First Macro list | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Acarina | | | | | | | |
| | Antocha | | | | | | | |
| | Atherix | | | | | | | |
| | Baetidae | | | | | | | |
| | Brachycentrus | | | | | | | |
| | Chironomidae | | | | | | | |
| | Chloroperlidae | | | | | | | |
| | Elmidae | | | | | | | |
| | Ephemerella doddsi | | | | | | | |
| | Ephemerella grandis | | | | | | | |
| | Ephemerella inermis | | | | | | | |
| | Hydropsyche | | | | | | | |
| | Limnephilidae | | | | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| | Plecoptera | | | | | | | |
| | Pteronarcella | | | | | | | |
| | Rhithrogena | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| NA | NA | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| AMMON609 | Nitrogen, ammonia (NH3) as NH3 | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| BENOM248 | Benomyl | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| BROMI610 | Bromide | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| CAPTA239 | Captan | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| CHLOR611 | Chloride | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| CO 60607 | Cobalt-60 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 pCi/L | | | | | | | | |
| COUMA215 | Coumaphos | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CYCLO233 | Cycloate | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| DALAP238 | Dichloropropionic acid, 2,2- ***retired*** (use Dalapon) | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| DICHL220 | Dichlorovos (DDVP) | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| DICOF208 | Dicofol | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| DIURO230 | Diuron | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| DUM4 | Propylene glycol allyl ether | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| ETHIO223 | Ethion | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| ETHYL204 | Ethylene glycol | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| ETHYL211 | Azinphos-ethyl | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| FENSU219 | Fensulfothion | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| FENTH216 | Fenthion | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| FLUOR612 | Fluorides | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| GLYPH240 | Glyphosate (Roundup) | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| ISOPR205 | Isopropyl alcohol | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| MANEB246 | Maneb | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| METHY241 | Methyl bromide | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| METHY242 | Methyl chloride | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| MIREX210 | Mirex | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| MONUR231 | Monuron | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| NITRO235 | Nitrofen | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PERCH209 | Hexachlorobenzene | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PHORA217 | Phorate | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|----------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHOSA214 | Phosalone | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PROME244 | Prometryn | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PRONA227 | Pronamide | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PROPA245 | Propazine | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PROPO247 | Propoxur | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| RONNE222 | Ronnel | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| TERBA243 | Terbacil | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| TERBU236 | Terbutryn | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| TRANS92 | Dichloroethene, trans-1,2- | ug/l | Total | Estimated | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| NA0 | NA0 | Sample | Water | | | | N |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 2,4-D528 | 2,4-DB, Dichlorophenoxybutyric acid | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| BENZO295 | Benzo[a]pyrene | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| DACTH533 | Dacthal | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| ETHYL32 | Parathion | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| PICLO545 | Picloram | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| S-THM275 | Trihalomethanes (unspecified mix) | ug/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 ug/l | | | | | | | | |
| SULFU509 | Sulfur | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------|----------------|------------|-----------------|------------|----------------------------|---------|
| PERIGROU | Periphyton Group summary | Sample | Biological | Taxon Abundance | Periphyton | Single Taxon Group Summary | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| SPRDN | Species Relative Density | % | | Actual | | | | | | |
| SPRNK | Species Rank | None | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------------|----------------|------------|-----------------|------------|-------------------------------|---------|
| PERIPHYT | Diatom periphyton group | Sample | Biological | Taxon Abundance | Periphyton | Multi-Taxon Population Census | N |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------------------|----------------|--------|--------|-----------|--------------|---------|
| PERISAM1 | Periphyton analyses by Sam Rus | Field Msr/Obs | | | | | Y |

| Row ID | Characteristic Name | Description |
|--------|--------------------------------|-------------|
| 1 | Anabaena Species | |
| 10 | Chroococcus Species | |
| 11 | Cladophora glomerata | |
| 12 | Cladophora species | |
| 13 | Closteriopsis longissima | |
| 14 | Closteriopsis species | |
| 15 | Closterium ehrenbergii | |
| 16 | Closterium species 1 | |
| 17 | Closterium species 2 | |
| 18 | Cosmarium species 1 | |
| 19 | Cosmarium species 2 | |
| 2 | Asterionella formosa | |
| 20 | Crucigenia species | |
| 21 | Bacillariophyta centric diatom | |
| 22 | Bacillariophyta pennate diatom | |
| 23 | Enteromorpha intestinalis | |
| 24 | Euastrum species | |
| 25 | Euglena species | |
| 26 | Hydrurus foetidus | |
| 27 | Lagerheimia ciliata | |
| 28 | Merismopedia species | |

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| Row ID | Characteristic Name | Description |
|--------|--------------------------------|-------------------------------------|
| 29 | Microcystis uncerta | |
| 3 | Audouinella violacea | |
| 30 | Microspora species | |
| 31 | Mougeotia species | |
| 32 | Nostoc species | |
| 33 | Oedogonium species | |
| 34 | Oocystis species | |
| 35 | Oscillatoria agardhii | |
| 36 | Oscillatoria amphibia | |
| 37 | Oscillatoria princeps | |
| 38 | Oscillatoria species 1 | |
| 39 | Oscillatoria species 2 | |
| 4 | Beggiatoa species 1 | |
| 40 | Oscillatoria species 3 | |
| 41 | Pandorina morum | |
| 42 | Pediastrum duplex | |
| 43 | Phacus species | |
| 44 | Phormidium incrustatum | |
| 45 | Phormidium inundatum | |
| 46 | Phormidium species | |
| 47 | Pteromonas species | |
| 48 | Scenedesmus quadricauda | |
| 49 | Scenedesmus quadarec-longispin | Scenedesmus quadarecauda longispina |
| 5 | Beggiatoa species 2 | |
| 50 | Scenedesmus species | |
| 51 | Schroederia setigera | |
| 52 | Selenastrum species | |

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| Row ID | Characteristic Name | Description |
|--------|---------------------------|-------------|
| 53 | Sphaerocystis schroeteri | |
| 54 | Spyrogyra species 1 | |
| 55 | Spyrogyra species 2 | |
| 56 | Spyrogyra species 3 | |
| 57 | Staurastrum gracile | |
| 58 | Stigeoclonium polymorphum | |
| 59 | Stigeoclonium stagnatile | |
| 6 | Calothrix species | |
| 60 | Stigeoclonium species 1 | |
| 61 | Stigeoclonium species 2 | |
| 62 | Tetraedron Species | |
| 63 | Ulothrix aequalis | |
| 64 | Ulothrix cylindrica | |
| 65 | Ulothrix zonata | |
| 66 | Ulothrix species 1 | |
| 67 | Ulothrix species 2 | |
| 68 | Ulothrix species 3 | |
| 69 | Cynaophyta filamentous | |
| 7 | Chamaesiphon incrustans | |
| 70 | Chlorophyta spherical | |
| 71 | Vaucheria species | |
| 72 | Zygnema species | |
| 73 | Aphanizomenon flosaquae | |
| 74 | Fragilaria virescens | |
| 75 | Melosira varians | |
| 76 | Schizothrix species | |
| 77 | Spirulina species | |

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| Row ID | Characteristic Name | Description |
|--------|-------------------------|-------------|
| 78 | Mallomonas species | |
| 79 | Chrysocapsa planktonica | |
| 8 | Chamaesiphon species | |
| 80 | Anabaena flosaquae | |
| 81 | Ankistrodesmus falcatus | |
| 82 | Phormidium species 2 | |
| 83 | Microcystis aeruginosa | |
| 84 | Stigeoclonium tenue | |
| 85 | Audouinella violacia | |
| 86 | Rivularia species | |
| 87 | Ankistrodesmus species | |
| 88 | Lyngbya species | |
| 89 | Tolypothrix species | |
| 9 | Chlamydomonas species | |
| 90 | Scenedesmus species 2 | |
| 91 | Trachelomonas species | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------|----------------|--------|--------|-----------|--------------|---------|
| PERMARK1 | Biomass by USU | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Biomass, periphyton | mg/m2 | | Actual | | Ash-Free Dry | | | 10300-C | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/m2 | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|------------|-----------------|---------------------------|----------------------------|---------|
| PHGRPSUM | Phytoplankton group summary | Sample | Biological | Taxon Abundance | Phytoplankton/Zooplankton | Single Taxon Group Summary | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--------------------------|----------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Cell Volume | um3/l | | Calculated | | | | | 10200-F | |
| 2 | Species Rank | None | | Calculated | | | | | 10200-F | |
| | Acceptable Range | 0.00000 - 100,000.00000 None | | | | | | | | |
| 3 | Species Relative Density | % by vol | | Calculated | | | | | 10200-F | |
| | Acceptable Range | 0.00000 - 100,000.00000 % by vol | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|---------------------------|-------------------------------|---------|
| PHYTO1 | Phytoplankton Species List | Sample | Biological | Taxon Abundance | Phytoplankton/Zooplankton | Multi-Taxon Population Census | N |

Citations American Public Health Association, 1998, Standard Methods for the Examination of Water and Wastewater, 20th Edition., American Public Health Association, 20th Edition

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Bacillariophyta | sp.1 | #/l | Calculated | Mean | | | |
| 10 | Melosira distans | | #/l | Calculated | Mean | | | |
| 100 | Aphanocapsa delicatissima | | #/l | Calculated | Mean | | | |
| 101 | Chroococcus | sp.1 | #/l | Calculated | Mean | | | |
| 102 | Chroococcus limneticus | | #/l | Calculated | Mean | | | |
| 103 | Chroococcus turgidus | | #/l | Calculated | Mean | | | |
| 104 | Coelosphaerium | | #/l | Calculated | Mean | | | |
| 105 | Coelosphaerium naegelianum | | #/l | Calculated | Mean | | | |
| 106 | Gomphosphaeria | sp.1 | #/l | Calculated | Mean | | | |
| 107 | Gomphosphaeria aponina | | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 108 | Gomphosphaeria lacustris | | #/l | Calculated | Mean | | | |
| 109 | Lyngbya birgei | | #/l | Calculated | Mean | | | |
| 11 | Melosira granulata | | #/l | Calculated | Mean | | | |
| 110 | Merismopedia | sp.1 | #/l | Calculated | Mean | | | |
| 111 | Merismopedia glauca | | #/l | Calculated | Mean | | | |
| 112 | Microcystis | | #/l | Calculated | Mean | | | |
| 113 | Microcystis aeruginosa | | #/l | Calculated | Mean | | | |
| 114 | Microcystis incerta | | #/l | Calculated | Mean | | | |
| 115 | Microspora | | #/l | Calculated | Mean | | | |
| 116 | Oscillatoria | sp.1 | #/l | Calculated | Mean | | | |
| 117 | Oscillatoria | sp.2 | #/l | Calculated | Mean | | | |
| 118 | Oscillatoria limnetica | | #/l | Calculated | Mean | | | |
| 119 | Phormidium | sp.1 | #/l | Calculated | Mean | | | |
| 12 | Melosira granulata var. angustissima | | #/l | Calculated | Mean | | | |
| 120 | Spirulina | sp.1 | #/l | Calculated | Mean | | | |
| 121 | Euglenophycota | | #/l | Calculated | Mean | | | |
| 122 | Euglena | sp.1 | #/l | Calculated | Mean | | | |
| 123 | Euglena gracilis | | #/l | Estimated | Mean | | | |
| 124 | Lepocinclis | | #/l | Calculated | Mean | | | |
| 125 | Phacus | sp.1 | #/l | Calculated | Mean | | | |
| 126 | Trachelomonas | sp.1 | #/l | Calculated | Mean | | | |
| 127 | Pyrrophytyta | | #/l | Calculated | Mean | | | |
| 128 | Ceratium hirundinella | | #/l | Calculated | Mean | | | |
| 129 | Peridinium | sp.1 | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 13 | Melosira varians | | #/l | Calculated | Mean | | | |
| 131 | Chlorophyta | sp.3 | #/l | Calculated | Mean | | | |
| 132 | Anabaena circinalis | | #/l | Calculated | Mean | | | |
| 133 | Dictyosphaerium ehrenbergianum | | #/l | Calculated | Mean | | | |
| 134 | Scenedesmus quadricauda quadrispina | | #/l | Calculated | Mean | | | |
| 135 | Arthrodesmus | | #/l | Calculated | Mean | | | |
| 136 | Dinobryon | | #/l | Calculated | Mean | | | |
| 137 | Chrysophyta | sp.2 | #/l | Calculated | Mean | | | |
| 138 | Crucigenia irregularis | | #/l | Calculated | Mean | | | |
| 139 | Tetraedron minimum | | #/l | Calculated | Mean | | | |
| 14 | Stephanodiscus niagarae | | #/l | Calculated | Mean | | | |
| 140 | Spondylosium | | #/l | Calculated | Mean | | | |
| 141 | Closterium ehrenbergii | | #/l | Calculated | Mean | | | |
| 142 | Kirchneriella | | #/l | Calculated | Mean | | | |
| 143 | Rhizochrysis | | #/l | Calculated | Mean | | | |
| 144 | Gloeotrichia echinulata | | #/l | Calculated | Mean | | | |
| 145 | Ankyra judai | | #/l | Calculated | Mean | | | |
| 146 | Tetraedron | sp.1 | #/l | Calculated | Mean | | | |
| 147 | Bacillariophyta | sp.3 | #/l | Calculated | Mean | | | |
| 148 | Aphanothece | | #/l | Calculated | Mean | | | |
| 149 | Chrysophyta | sp.3 | #/l | Calculated | Mean | | | |
| 15 | Synedra | | #/l | Calculated | Mean | | | |
| 150 | Scenedesmus bijuga | | #/l | Calculated | Mean | | | |
| 151 | Chlorophyta | sp.4 | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 152 | Merismopedia tenuissima | | #/l | Calculated | Mean | | | |
| 153 | Dunaliella salina | | #/l | Calculated | Mean | | | |
| 154 | Dunaliella | | #/l | Calculated | Mean | | | |
| 155 | Euglena | sp.2 | #/l | Calculated | Mean | | | |
| 156 | Chlorophyta | sp.5 | #/l | Calculated | Mean | | | |
| 157 | Oscillatoria princeps | | #/l | Calculated | Mean | | | |
| 158 | Ankistrodesmus falcatus | | #/l | Calculated | Mean | | | |
| 159 | Calothrix | sp.1 | #/l | Calculated | Mean | | | |
| 16 | Tabellaria | | #/l | Calculated | Mean | | | |
| 160 | Crucigenia | sp.2 | #/l | Calculated | Mean | | | |
| 161 | Peridinium cinctum | | #/l | Calculated | Mean | | | |
| 162 | Oocystis borgei | | #/l | Calculated | Mean | | | |
| 163 | Aphanizomenon flosaquae | | #/l | Calculated | Mean | | | |
| 164 | Chrysophyta | sp.4 | #/l | Calculated | Mean | | | |
| 165 | Microcystis incerta | | #/l | Calculated | Mean | | | |
| 166 | Bacillariophyta | sp.4 | #/l | Calculated | Mean | | | |
| 167 | Gloeobotrys | | #/l | Calculated | Mean | | | |
| 168 | Oedogonium | sp.1 | #/l | Calculated | Mean | | | |
| 169 | Characiopsis cylindrica | | #/l | Calculated | Mean | | | |
| 17 | Tabellaria fenestrata | | #/l | Calculated | Mean | | | |
| 170 | Planktosphaeria gelatinosa | | #/l | Calculated | Mean | | | |
| 171 | Pediastrum duplex gracillimum | | #/l | Calculated | Mean | | | |
| 172 | Oscillatoria agardhii | | #/l | Calculated | Mean | | | |
| 173 | Crucigenia quadrata | | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 174 | Crucigenia tetrapedia | | #/l | Calculated | Mean | | | |
| 175 | Oscillatoria amphibia | | #/l | Calculated | Mean | | | |
| 176 | Lagerheimiella | sp.1 | #/l | Calculated | Mean | | | |
| 177 | Stichococcus bacillaris | | #/l | Calculated | Mean | | | |
| 178 | Franceia droescheri | | #/l | Calculated | Mean | | | |
| 179 | Lagerheimia ciliata | | #/l | Calculated | Mean | | | |
| 18 | Chlorophyta | sp.1 | #/l | Calculated | Mean | | | |
| 180 | Cosmarium | sp.2 | #/l | Calculated | Mean | | | |
| 181 | Beggiatoales | sp.1 | #/l | Calculated | Mean | | | |
| 182 | Gloeotrichia | sp.1 | #/l | Calculated | Mean | | | |
| 183 | Volvox | sp.1 | #/l | Calculated | Mean | | | |
| 184 | Diatoma tenue | | #/l | Calculated | Mean | | | |
| 185 | Gloeotrichia | sp.1 | #/l | Calculated | Mean | | | |
| 186 | Lyngbya | sp.1 | #/l | Calculated | Mean | | | |
| 187 | Gonatozygon | sp.1 | #/l | Calculated | Mean | | | |
| 188 | Nostoc | sp.1 | #/l | Calculated | Mean | | | |
| 19 | Chlorophyta | sp.2 | #/l | Calculated | Mean | | | |
| 2 | Bacillariophyta | sp.2 | #/l | Calculated | Mean | | | |
| 20 | Actinastrum gracillimum | | #/l | Calculated | Mean | | | |
| 21 | Ankistrodesmus falcatus | | #/l | Calculated | Mean | | | |
| 22 | Ankistrodesmus spiralis | | #/l | Calculated | Mean | | | |
| 23 | Ankyra | sp.1 | #/l | Calculated | Mean | | | |
| 24 | Botryococcus | sp.1 | #/l | Calculated | Mean | | | |
| 25 | Botryococcus braunii | | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 26 | Botryococcus sudeticus | | #/l | Calculated | Mean | | | |
| 27 | Characium | | #/l | Calculated | Mean | | | |
| 28 | Chlamydomonas | sp.1 | #/l | Calculated | Mean | | | |
| 29 | Chlamydomonas | sp.2 | #/l | Calculated | Mean | | | |
| 3 | Asterionella formosa | | #/l | Calculated | Mean | | | |
| 30 | Chlamydomonas globosa | | #/l | Calculated | Mean | | | |
| 31 | Chlorella | | #/l | Calculated | Mean | | | |
| 32 | Closteriopsis longissima | | #/l | Calculated | Mean | | | |
| 33 | Closteriopsis longissima tropica | | #/l | Calculated | Mean | | | |
| 34 | Closterium | sp.1 | #/l | Calculated | Mean | | | |
| 35 | Coelastrum | | #/l | Calculated | Mean | | | |
| 36 | Coelastrum microporum | | #/l | Calculated | Mean | | | |
| 37 | Cosmarium | sp.1 | #/l | Calculated | Mean | | | |
| 38 | Crucigenia | sp.1 | #/l | Calculated | Mean | | | |
| 39 | Crucigenia retangularis | | #/l | Calculated | Mean | | | |
| 4 | Asterococcus | | #/l | Calculated | Mean | | | |
| 40 | Dictyosphaerium | | #/l | Calculated | Mean | | | |
| 41 | Euastrum | sp.1 | #/l | Calculated | Mean | | | |
| 42 | Eudorina elegans | | #/l | Calculated | Mean | | | |
| 43 | Gloeocystis | | #/l | Calculated | Mean | | | |
| 44 | Micrasterias | | #/l | Calculated | Mean | | | |
| 45 | Mougeotia | sp.1 | #/l | Calculated | Mean | | | |
| 46 | Nephrocytium limneticum | | #/l | Calculated | Mean | | | |
| 47 | Oocystis | sp.1 | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 48 | Oocystis | sp.2 | #/l | Calculated | Mean | | | |
| 49 | Oocystis borgei | | #/l | Calculated | Mean | | | |
| 5 | Cyclotella | | #/l | Calculated | Mean | | | |
| 50 | Oocystis gigas | | #/l | Calculated | Mean | | | |
| 51 | Pandorina morum | | #/l | Calculated | Mean | | | |
| 52 | Pediastrum | sp.1 | #/l | Calculated | Mean | | | |
| 53 | Pediastrum duplex | | #/l | Calculated | Mean | | | |
| 54 | Pediastrum duplex clathratum | | #/l | Calculated | Mean | | | |
| 55 | Phacotus | sp.1 | #/l | Calculated | Mean | | | |
| 56 | Pleodorina illinoisensis | | #/l | Calculated | Mean | | | |
| 57 | Pteromonas | sp.1 | #/l | Calculated | Mean | | | |
| 58 | Quadrigula | sp.1 | #/l | Calculated | Mean | | | |
| 59 | Quadrigula chodati | | #/l | Calculated | Mean | | | |
| 6 | Fragilaria | | #/l | Calculated | Mean | | | |
| 60 | Quadrigula lacustris | | #/l | Calculated | Mean | | | |
| 61 | Scenedesmus | sp.1 | #/l | Calculated | Mean | | | |
| 62 | Scenedesmus bijuga | | #/l | Calculated | Mean | | | |
| 63 | Scenedesmus dimorphus | | #/l | Calculated | Mean | | | |
| 64 | Scenedesmus incrassatulus | | #/l | Calculated | Mean | | | |
| 65 | Scenedesmus quadricauda | | #/l | Calculated | Mean | | | |
| 66 | Scenedesmus | sp.2 | #/l | Calculated | Mean | | | |
| 67 | Schroederia setigera | | #/l | Calculated | Mean | | | |
| 68 | Schroederia judayi | | #/l | Calculated | Mean | | | |
| 69 | Sphaerocystis schroeteri | | #/l | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 7 | Fragilaria crotonensis | | #/l | Calculated | Mean | | | |
| 70 | Sphaerosoma | | #/l | Calculated | Mean | | | |
| 71 | Spirogyra | sp.1 | #/l | Calculated | Mean | | | |
| 72 | Staurastrum | sp.1 | #/l | Calculated | Mean | | | |
| 73 | Staurastrum | sp.2 | #/l | Calculated | Mean | | | |
| 74 | Staurastrum gracile | | #/l | Calculated | Mean | | | |
| 75 | Tetraspora | | #/l | Calculated | Mean | | | |
| 76 | Volvox aureus | | #/l | Calculated | Mean | | | |
| 77 | Wislouchiella planctonica | | #/l | Calculated | Mean | | | |
| 78 | Zygnema | | #/l | Calculated | Mean | | | |
| 79 | Chrysophyta | sp.1 | #/l | Calculated | Mean | | | |
| 8 | Fragilaria virescens | | #/l | Calculated | Mean | | | |
| 80 | Chrysocapsa planktonica | | #/l | Calculated | Mean | | | |
| 81 | Dinobryon bavaricum | | #/l | Calculated | Mean | | | |
| 82 | Dinobryon divergens | | #/l | Calculated | Mean | | | |
| 83 | Gloeobotrys limneticus | | #/l | Calculated | Mean | | | |
| 84 | Mallomonas | | #/l | Calculated | Mean | | | |
| 85 | Mallomonas acaroides | | #/l | Calculated | Mean | | | |
| 86 | Mallomonas acaroides noskovensis | | #/l | Calculated | Mean | | | |
| 87 | Rhizochrysis limnetica | | #/l | Calculated | Mean | | | |
| 88 | Stipitococcus | | #/l | Calculated | Mean | | | |
| 89 | Tribonema bombycinum | | #/l | Calculated | Mean | | | |
| 9 | Melosira | | #/l | Calculated | Mean | | | |
| 90 | Uroglenopsis | | #/l | Calculated | Mean | | | |

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|--------|---------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 91 | Cyanophycota | sp.1 | #/l | Calculated | Mean | | | |
| 92 | Cyanophycota | sp.2 | #/l | Calculated | Mean | | | |
| 93 | Anabaena | sp.1 | #/l | Calculated | Mean | | | |
| 94 | Anabaena flosaquae | | #/l | Calculated | Mean | | | |
| 95 | Anabaena spiroides | | #/l | Calculated | Mean | | | |
| 96 | Anabaena spiroides crassa | | #/l | Calculated | Mean | | | |
| 97 | Anacystis | sp.1 | #/l | Calculated | Mean | | | |
| 98 | Aphanizomenon flosaquae | | #/l | Calculated | Mean | | | |
| 99 | Aphanocapsa | | #/l | Calculated | Mean | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------------|----------------|------------|-----------------|---------------------------|-------------------------------|---------|
| PHYTO2 | Phytoplanton Species list 2 | Sample | Biological | Taxon Abundance | Phytoplankton/Zooplankton | Multi-Taxon Population Census | N |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Bacillariophyta | sp.1 | #/l | Calculated | Mean | | | |
| 114 | Microcystis incerta | | #/l | Calculated | Mean | | | |
| 167 | Gloeobotrys | | #/l | Calculated | Mean | | | |
| 2 | Bacillariophyta | sp.2 | #/l | Calculated | Mean | | | |
| 50 | Oocystis gigas | | #/l | Calculated | Mean | | | |
| 74 | Staurastrum gracile | | #/l | Calculated | Mean | | | |
| 94 | Anabaena flosaquae | | #/l | Calculated | Mean | | | |
| | Spirulina | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|---|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| PHYTOHAB | Phytohab | Field Msr/Obs | | | | | Y | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| NS | Population diversity, phytoplankton, # of species | count | | Calculated | | | | | 10200-F | |
| | Acceptable Range | 0.00000 - 100.00000 count | | | | | | | | |
| SWI | Taxonomic Diversity, Shannon-Weaver Index | None | | Calculated | | | | | 10200-F | |
| | Acceptable Range | 0.00000 - 100.00000 None | | | | | | | | |
| TE | Taxonomic Evenness | None | | Calculated | | | | | 10200-F | |
| | Acceptable Range | 0.00000 - 100.00000 None | | | | | | | | |
| TR | Taxonomic Richness | None | | Calculated | | | | | 10200-F | |
| | Acceptable Range | 0.00000 - 100.00000 None | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| R6D | R6D | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A1 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 pCi/L | | | | | | | | |
| A2 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 pCi/L | | | | | | | | |
| A3 | Radium-226 | pCi/L | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 pCi/L | | | | | | | | |
| A4 | Radium-228 | pCi/L | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 pCi/L | | | | | | | | |
| A5 | Uranium | pCi/L | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 pCi/L | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | | | |
|----------|--|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| R6T | R6T | Sample | Water | | | | N | | | |
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| 134 C3 | Cesium-134 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| 226 R501 | Radium-226 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| 228 R502 | Radium-228 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| 90 SR503 | Strontium-90 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| ALPHA498 | Gross alpha radioactivity, (Thorium-230 ref std) | pCi/L | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| BETA499 | Gross beta radioactivity, (Cesium-137 ref std) | pCi/L | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| CESIU4 | Cesium-137 | pCi/L | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| IODIN2 | Iodine-131 | pCi/L | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| RADON523 | Radon-222 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 pCi/L | | | | | | | | |
| STRON1 | Strontium-89 | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 pCi/L | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| T-URA517 | Uranium | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 pCi/L | | | | | | | | |
| TRITI500 | Tritium | pCi/L | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 pCi/L | | | | | | | | |
| URANI38 | Uranium | ug/l | Dissolved | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| ROTONONE | Rotenone & Rotenolone | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|--------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A | Rotenone | ug/l | Total | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 ug/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|---------------------|----------------|--------|--------|-----------|--------------|---------|
| SLCO | JRTMDL lab defaults | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------------|-------------------------------|---------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 40 CFR 141.21 | Escherichia | #/100ml | Total | Actual | | | | | COLILERT | |
| | Acceptable Range | 0.00000 - 100,000.00000 #/100ml | | | | | | | | |
| EPA 160.1 | Solids, Dissolved | mg/l | Total | Actual | | | | | 160.1 | |
| | Acceptable Range | 0.00000 - 50,000.00000 mg/l | | | | | | | | |
| EPA 160.2 | Solids, Total Suspended (TSS) | mg/l | Total | Actual | | | | | 160.2 | |
| | Acceptable Range | 0.00000 - 500.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|-----------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| EPA 365.3 | Phosphorus as P Acceptable Range | mg/l | Total | Actual | | | | | 365.3 | |
| SM 5210 | BOD, Biochemical oxygen demand Acceptable Range | mg/l | Total | Actual | | | 5 Day | 25 Deg C | 5210-B | |
| SM 9222 B | Total Coliform Acceptable Range | #/100ml | Total | Actual | | | | | 9222-B | |
| SM 9222 D | Fecal Coliform Acceptable Range | #/100ml | Total | Actual | | | | | 9222-D | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| T2A | T2a | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|-----------------------------|
| OIL A68 | Oil and Grease Acceptable Range | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | | | | | | | | | | 0.00000 - 10,000.00000 mg/l |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| T2B | T2b | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|--|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|-----------------------------|
| PHENO72 | Phenols (mixture) Acceptable Range | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | | | | | | | | | | 0.00000 - 10,000.00000 mg/l |

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| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| T2C | T2c | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|----------------------------|-----------------------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| SULFI73 | Sulfide | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| T6 | T6 | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|---|----------------------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| CHLOR10 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| CHLOR11 | Chlorophyll-b | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |
| CHLOR12 | Chlorophyll-c | ug/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 1,000.00000 ug/l | | | | | | | | |

| | | | | | | | |
|-----------------|-------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| UN2 | UN2 | Sample | Water | | | | N |

| | | | | | | | | | | |
|---------------|-----------------------------|-----------------------------|------------------------|-------------------|-----------------------|---------------------|-----------------------|-------------------|----------------------------|-----------------------------------|
| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
| A | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CARBO69 | Carbon, Total Organic (Toc) | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| COD70 | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | Total | Actual | | | | | GENERIC METHOD | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| NITRO66 | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| NITRO67 | Nitrogen, Kjeldahl | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| UN3 | UN3 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 28 | Nitrogen, ammonia as N | mg/l | Total | Actual | | | | | 350.1 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------|----------------|--------|--------|-----------|--------------|---------|
| UN4 | UN4 | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|--------------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| NITRA465 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| NITRI466 | Nitrogen, Nitrite (NO2) as NO2 | mg/l | Total | Actual | | | | | GENERIC | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|----------|---------------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| PHOS.467 | Phosphorus, orthophosphate as P | mg/l | Total | Actual | | | | | METHOD2 | |
| | Acceptable Range | 0.00000 - 10,000.00000 mg/l | | | | | | | | |
| T. PH470 | Phosphorus as P | mg/l | Total | Actual | | | | | GENERIC METHOD2 | |
| | Acceptable Range | 0.00000 - 100,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| USGSFLOW | Flows from USGS | Field Msr/Obs | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|-------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| USGS | Flow | cfs | | Actual | | | | | USGSFLOW | |
| | Acceptable Range | 0.00000 - 1,000,000.00000 cfs | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| WEBERBUG | Bugs in the Weber | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Citations Fred Magnum, 19??, Fred Magnums Macroinvertabrate Taxon Abundance Method, Fred Magnum, ??

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 1 | Epeorus | | #/m2 | Calculated | Mean | | | |
| 10 | Baetis | | #/m2 | Calculated | Mean | | | |
| 100 | Chironomini | | #/m2 | Calculated | Mean | | | |
| 101 | Mayatrichia | | #/m2 | Calculated | Mean | | | |
| 102 | Rhyacophila vagrita | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 103 | Wormaldia | | #/m2 | Calculated | Mean | | | |
| 104 | Zaitzevia | | #/m2 | Calculated | Mean | | | |
| 105 | Decapoda | | #/m2 | Calculated | Mean | | | |
| 106 | Tanypodinae | | #/m2 | Calculated | Mean | | | |
| 107 | Perlodidae | | #/m2 | Calculated | Mean | | | |
| 108 | Skwala | | #/m2 | Calculated | Mean | | | |
| 109 | Blephariceridae | | #/m2 | Calculated | Mean | | | |
| 11 | Plecoptera | | #/m2 | Calculated | Mean | | | |
| 110 | Ephemera grandis | | #/m2 | Calculated | Mean | | | |
| 111 | Euparyphus | | #/m2 | Calculated | Mean | | | |
| 112 | Ameletus | | #/m2 | Calculated | Mean | | | |
| 113 | Petrophila | | #/m2 | Calculated | Mean | | | |
| 114 | Ephemeroptera | | #/m2 | Calculated | Mean | | | |
| 115 | Tricorythodes | | #/m2 | Calculated | Mean | | | |
| 12 | Chloroperlidae | | #/m2 | Calculated | Mean | | | |
| 13 | Cultus | | #/m2 | Calculated | Mean | | | |
| 14 | Taenionema | | #/m2 | Calculated | Mean | | | |
| 15 | Pteronarcella badia | | #/m2 | Calculated | Mean | | | |
| 16 | Capniidae | | #/m2 | Calculated | Mean | | | |
| 17 | Hesperophylax | | #/m2 | Calculated | Mean | | | |
| 18 | Perlidae | | #/m2 | Calculated | Mean | | | |
| 19 | Trichoptera | | #/m2 | Calculated | Mean | | | |
| 2 | Cinygmula | | #/m2 | Calculated | Mean | | | |
| 20 | Hydropsyche | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 21 | Cheumatopsyche | | #/m2 | Calculated | Mean | | | |
| 22 | Arctopsyche | | #/m2 | Calculated | Mean | | | |
| 23 | Arctopsyche grandis | | #/m2 | Calculated | Mean | | | |
| 24 | Brachycentrus | | #/m2 | Calculated | Mean | | | |
| 25 | Micrasema | | #/m2 | Calculated | Mean | | | |
| 26 | Rhyacophila | | #/m2 | Calculated | Mean | | | |
| 27 | Glossosoma | | #/m2 | Calculated | Mean | | | |
| 28 | Lepidostomatidae | | #/m2 | Calculated | Mean | | | |
| 29 | Hydroptilidae | | #/m2 | Calculated | Mean | | | |
| 3 | Rhithrogena | | #/m2 | Calculated | Mean | | | |
| 30 | Onocosmoecus | | #/m2 | Calculated | Mean | | | |
| 31 | Leptoceridae | | #/m2 | Calculated | Mean | | | |
| 32 | Elmidae | | #/m2 | Calculated | Mean | | | |
| 33 | Dytiscidae | | #/m2 | Calculated | Mean | | | |
| 34 | Hexatoma | | #/m2 | Calculated | Mean | | | |
| 35 | Simuliidae | | #/m2 | Calculated | Mean | | | |
| 36 | Chironomidae | | #/m2 | Calculated | Mean | | | |
| 37 | Empididae | | #/m2 | Calculated | Mean | | | |
| 38 | Ceratopogonidae | | #/m2 | Calculated | Mean | | | |
| 39 | Pericoma | | #/m2 | Calculated | Mean | | | |
| 4 | Heptagenia | | #/m2 | Calculated | Mean | | | |
| 40 | Atherix | | #/m2 | Calculated | Mean | | | |
| 41 | Nectopsyche | | #/m2 | Calculated | Mean | | | |
| 42 | Oligochaeta | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 43 | Acarina | | #/m2 | Calculated | Mean | | | |
| 44 | Hyalella azteca | | #/m2 | Calculated | Mean | | | |
| 46 | Dolichopodidae | | #/m2 | Calculated | Mean | | | |
| 47 | Isoperla | | #/m2 | Calculated | Mean | | | |
| 48 | Tinodes | | #/m2 | Calculated | Mean | | | |
| 49 | Diptera | | #/m2 | Calculated | Mean | | | |
| 5 | Drunella doddsi | | #/m2 | Calculated | Mean | | | |
| 50 | Ceraclea | | #/m2 | Calculated | Mean | | | |
| 51 | Copepoda | | #/m2 | Calculated | Mean | | | |
| 52 | Tricorythodes minutus | | #/m2 | Calculated | Mean | | | |
| 53 | Agrionidae | | #/m2 | Calculated | Mean | | | |
| 54 | Nematoda | | #/m2 | Calculated | Mean | | | |
| 55 | Ostracoda | | #/m2 | Calculated | Mean | | | |
| 56 | Physa | | #/m2 | Calculated | Mean | | | |
| 57 | Planaria | | #/m2 | Calculated | Mean | | | |
| 58 | Hirudinea | | #/m2 | Calculated | Mean | | | |
| 59 | Antocha monticola | | #/m2 | Calculated | Mean | | | |
| 6 | Ephemerella inermis | | #/m2 | Calculated | Mean | | | |
| 60 | Atopsyche | | #/m2 | Calculated | Mean | | | |
| 61 | Pteronarcys californica | | #/m2 | Calculated | Mean | | | |
| 62 | Claassenia sabulosa | | #/m2 | Calculated | Mean | | | |
| 63 | Oecetis | | #/m2 | Calculated | Mean | | | |
| 64 | Stenonema | | #/m2 | Calculated | Mean | | | |
| 65 | Pelecypoda | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 66 | Bezzia | | #/m2 | Calculated | Mean | | | |
| 67 | Polycentropus | | #/m2 | Calculated | Mean | | | |
| 68 | Helicopsyche borealis | | #/m2 | Calculated | Mean | | | |
| 69 | Brachycentrus occidentalis | | #/m2 | Calculated | Mean | | | |
| 70 | Asellus | | #/m2 | Calculated | Mean | | | |
| 71 | Erpobdella | | #/m2 | Calculated | Mean | | | |
| 72 | Gammarus | | #/m2 | Calculated | Mean | | | |
| 73 | Rhyacophila coloradensis | | #/m2 | Calculated | Mean | | | |
| 74 | Psychomyia | | #/m2 | Calculated | Mean | | | |
| 75 | Hemerodromia | | #/m2 | Calculated | Mean | | | |
| 76 | Lumbricidae | | #/m2 | Calculated | Mean | | | |
| 77 | Lepidostoma | | #/m2 | Calculated | Mean | | | |
| 78 | Hydropsychidae | | #/m2 | Calculated | Mean | | | |
| 79 | Lymnaeidae | | #/m2 | Calculated | Mean | | | |
| 8 | Drunella coloradensis | | #/m2 | Calculated | Mean | | | |
| 80 | Helobdella | | #/m2 | Calculated | Mean | | | |
| 81 | Ophiogomphus | | #/m2 | Calculated | Mean | | | |
| 82 | Leptohyphes | | #/m2 | Calculated | Mean | | | |
| 83 | Hesperoperla pacifica | | #/m2 | Calculated | Mean | | | |
| 84 | Gastropoda | | #/m2 | Calculated | Mean | | | |
| 85 | Coenagrionidae | | #/m2 | Calculated | Mean | | | |
| 86 | Hydroptila | | #/m2 | Calculated | Mean | | | |
| 87 | Argia | | #/m2 | Calculated | Mean | | | |
| 88 | Limnephilidae | | #/m2 | Calculated | Mean | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 89 | Planorbidae | | #/m2 | Calculated | Mean | | | |
| 9 | Paraleptophlebia | | #/m2 | Calculated | Mean | | | |
| 90 | Optioservus | | #/m2 | Calculated | Mean | | | |
| 91 | Drunella grandis | | #/m2 | Calculated | Mean | | | |
| 92 | Leucotrichia | | #/m2 | Calculated | Mean | | | |
| 93 | Brachycentrus americanus | | #/m2 | Calculated | Mean | | | |
| 94 | Orthoclaadiinae | | #/m2 | Calculated | Mean | | | |
| 95 | Chelifera | | #/m2 | Calculated | Mean | | | |
| 96 | Protophila | | #/m2 | Calculated | Mean | | | |
| 97 | Tubificidae | | #/m2 | Calculated | Mean | | | |
| 98 | Margarita | | #/m2 | Calculated | Mean | | | |
| 99 | Cloeon | | #/m2 | Calculated | Mean | | | |

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U_NH01

University of N H Center for Freshwater Biology (New Hampsh)

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------------|----------------|--------|--------|-----------|--------------|---------|
| UNHLLMP | UNH LLMP 01/01/1979 - | Sample | Water | | | | N |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Depth, Secchi Disk Depth | m | | Actual | | | | | LLMP-SECCHI | |
| 2 | Chlorophyll a, uncorrected for pheophytin | ug/l | Total | Actual | | | | | 10200-H | |
| 3 | Color, True | None | Total | Actual | | | | | 2120-B | |
| 4 | Phosphorus as P | mg/l | Total | Actual | | | | | 4500-P-E | |
| 5 | Alkalinity, Total (total hydroxide+carbonate+bicarbonate) | mg/l | Total | Actual | | | | | SM 20 2320-B | |

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| | | | | | | | |
|-----------------|------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-001 | general station observations | Field Msr/Obs | Water | | | | N |

Citations MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1
Description general conditions of water at site.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, water | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 deg C | | | | | | | | |
| 2 | Turbidity | NTU | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 NTU | | | | | | | | |
| 3 | Specific conductance | mho/cm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 2,000.00000 mho/cm | | | | | | | | |
| 4 | Velocity - stream | ft/sec | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 ft/sec | | | | | | | | |
| 5 | Stream condition (text) | | | | | | | | | |

| | | | | | | | |
|-----------------|--------------------------------|-----------------------|---------------|---------------|------------------|---------------------|----------------|
| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
| CG-002 | general atmospheric conditions | Field Msr/Obs | Air | | | | N |

Citations MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1
Description general atmospheric conditions

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---------------------------|---------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | Temperature, air | deg C | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 130.00000 deg C | | | | | | | | |
| 2 | Cloud cover (choice list) | | | | | | | | | |
| 3 | Precipitation | cm | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 cm | | | | | | | | |
| 4 | Relative humidity | % | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 % | | | | | | | | |
| 5 | Barometric pressure | mm/Hg | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 6 | Acceptable Range | 1.00000 - 10,000.00000 mm/Hg | | | | | | | | |
| | Elevation, MSL | m | | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 8,000.00000 m | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-003 | water chemistry/ nutrients | Field Msr/Obs | Water | | | | N |

Description This group was created by saving the Characteristics defined for a particular Field Activity. Please update the fields as appropriate.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|--|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| 1 | pH | None | Total | Actual | | | | | | |
| | Acceptable Range | 1.00000 - 14.00000 None | | | | | | | | |
| 2 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |
| 3 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |
| 4 | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |
| 5 | Phosphorus as PO4 | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 50.00000 mg/l | | | | | | | | |
| 6 | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 100.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| CG-004 | macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Citations MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1
Description measurement of stream health by macroinvert counts

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|---------|---------------------|-----------|-------|------------|----------------|---------------------------|--------------------------|---------------|
| CG-006A | Ephemera | | count | Actual | | LOW | | |
| CG-006B | Odonata | | count | Actual | | MED | | |
| CG-006C | Diptera | | count | Actual | | MED | | |
| CG-006D | Decapoda | | count | Actual | | MED | | |
| CG-006F | Amphipoda | | count | Actual | | MED | | |
| CG-006G | Trichoptera | | count | Actual | | LOW | | |
| CG-006H | Coleoptera | | count | Actual | | MED | | |
| CG-006J | Cordyluridae | | count | Actual | | MED | | |
| CG-006K | Isopoda | | count | Actual | | MED | | |
| CG-006L | Zygoptera | | count | Actual | | MED | | |
| CG-006M | Bivalvia | | count | Actual | | MED | | |
| CG-006N | Oligochaeta | | count | Actual | | HIGH | | |
| CG-006O | Hirudinidae | | count | Actual | | HIGH | | |
| CG-006E | Plecoptera | | count | Actual | | LOW | | |
| CG-006I | Gastropoda | | count | Actual | | HIGH | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|--------------------|---|--------|--------|-----------|--------------|---------|
| CG-007 | streamflow | Field Msr/Obs | Water | | | | N |
| | Citations | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | |
| | Description | per streamteam manual | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|--------|-------------------------|-----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| CG-007 | Flow | cfs | | Actual | | | | | | | |
| | Acceptable Range | 0.00000 - 100,000.00000 cfs | | | | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|--------------------|---|--------|--------|-----------|--------------|---------|
| CG-008 | nutrients in water | Field Msr/Obs | Water | | | | N |
| Citations | | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | |
| Description | | field test for nutrients (nitrate/nitrite, ammonia, phosphates, etc) | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|--|--------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| CG-005A | Nitrogen, ammonia (NH3) + ammonium (NH4) | mg/l | Dissolved | Actual | | | | | | | |
| Acceptable Range | | 0.00000 - 50.00000 mg/l | | | | | | | | | |
| CG-005B | Nitrogen, Nitrate (NO3) as NO3 | mg/l | Dissolved | Actual | | | | | | | |
| Acceptable Range | | 0.00000 - 100.00000 mg/l | | | | | | | | | |
| CG-005C | Phosphorus as PO4 | mg/l | Dissolved | Actual | | | | | | | |
| Acceptable Range | | 0.00000 - 10.00000 mg/l | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| CG-009 | pH | Field Msr/Obs | Water | | | | N |
| Citations | | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure | |
|-------------------------|---------------------|-------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|--|
| CG-009A | pH | None | Total | Actual | | | | | | | |
| Acceptable Range | | 1.00000 - 14.00000 None | | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|------------------|------------|---|--------|--------|-----------|--------------|---------|
| CG-011 | turbidity | Field Msr/Obs | Water | | | | N |
| Citations | | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|---------|---------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-011A | Turbidity | NTU | | Actual | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| | Acceptable Range | 0.00000 - 20.00000 NTU | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|-----------------------|---|--------|--------|-----------|--------------|---------|--|
| CG-012 | Percent O2 saturation | Field Msr/Obs | Water | | | | N | |
| | Citations | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | | |
| | Description | DERIVED FROM WATER TEMPERATURE AND DO MEASUREMENT | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------------|-----------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| A1 | Dissolved oxygen saturation | % | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 200.00000 % | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|--------------------|---|--------|--------|-----------|--------------|---------|--|
| CG-013 | dissolved oxygen | Field Msr/Obs | Water | | | | N | |
| | Citations | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | | |
| | Description | DO in water | | | | | | |

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------|----------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-013 | Dissolved oxygen (DO) | mg/l | Dissolved | Actual | | | | | | |
| | Acceptable Range | 0.00000 - 1,000.00000 mg/l | | | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat | |
|----------|------------------|---|--------|--------|-----------|--------------|---------|--|
| CG-014 | watertemp | Field Msr/Obs | Water | | | | N | |
| | Citations | MDC, MODNR and Conservation Federation of MO, 1996, volunteer water quality monitoring, same, 1 | | | | | | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|------------------------------------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| CG-003 | Temperature, water Acceptable Range | deg C 0.00000 - 100.00000 deg C | | Actual | | | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|-----------------|----------------|--------|--------|-----------|--------------|---------|
| CG-CHEM | Water Chemistry | Sample | Water | | | | N |

Citations USEPA, 1983, Methods for Chemical Analysis of Water and Wastes, USEPA, EPA 600/4-79-020

Description IMPORTANT NOTE: For data from 1992 through 1997, when readings were below detectable limits, the given parameter was recorded as being HALF the detection limit. The detection limits for the given characteristics are included with the results.

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|---|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| ALK | Alkalinity, Carbonate as CaCO3 | mg/l | | Actual | | | 14 Day | | 310.1 | |
| AN | Ammonia, unionized | mg/l | Total | Actual | | | 28 Day | | 350.1 | |
| BOD | BOD, nitrogenous | mg/l | | Actual | | | 2 Day | | 405.1 | |
| CA | Calcium | mg/l | Total | Actual | | | 6 Month | | 215.1 | |
| CD | Cadmium | mg/l | Total | Actual | | | 6 Month | | 213.2 | |
| CL | Chloride | mg/l | Total | Actual | | | 28 Day | | 325.2 | |
| COD | COD ***retired*** (use COD, Chemical Oxygen Demand) | mg/l | | Actual | | | 28 Day | | 410.4 | |
| CU | Copper | mg/l | Total | Actual | | | 6 Month | | 220.1 | |
| FCB | Fecal Coliform | #/100ml | | Calculated | | | 24 Hours | | FCB | |
| FE | Iron | mg/l | Total | Actual | | | 6 Month | | 236.1 | |
| MN | Manganese | mg/l | Total | Actual | | | 6 Month | | 243.1 | |
| NO3N | Nitrogen, Nitrite (NO2) + Nitrate (NO3) as N | mg/l | Total | Actual | | | 28 Day | | 353.2 | |
| NTU | Turbidity | NTU | | Actual | | | 2 Day | | 180.1 | |
| O&G | Oil and Grease | mg/l | Total | Actual | | | 28 Day | | 413.1 | |
| PB | Lead | mg/l | Total | Actual | | | 6 Month | | 239.2 | |
| RA226 | Radium-226 | PCi/L | Total | Actual | | | 6 Month | | 903.1 | |
| SO4 | Sulfur, sulfate (SO4) as SO4 | mg/l | Total | Actual | | | 28 Day | | 375.2 | |
| TDS | Solids, Dissolved | mg/l | | Actual | | | 7 Day | | 160.1 | |
| TH | Hardness, Ca + Mg | mg/l | | Actual | | | 6 Month | | 130.1 | |
| TPHOS | Phosphorus as P | mg/l | Total | Actual | | | 28 Day | | 365.3 | |
| TRCL | Chlorine | mg/l | Total | Actual | | | | | 330.5 | |

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| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-------------------------------|------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| TSS | Solids, Total Suspended (TSS) | mg/l | Suspended | Actual | | | 2 Day | | 160.2 | |
| ZN | Zinc | mg/l | Total | Actual | | | 6 Month | | 289.1 | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|------------------|----------------|--------|--------|-----------|--------------|---------|
| CG-FLD | Field Parameters | Field Msr/Obs | Water | | | | N |

Citations King, K.W., 1993, A bioassessment method for use in Wyoming stream and river water quality monitoring (Draft)., Wyoming Department of Environmental Quality, Water Quality Division, 84 pages

| Row ID | Characteristic Name | Unit | Sample Fraction | Value Type | Statistic Type | Weight Basis | Duration Basis | Temp Basis | Field/Lab Procedure | Lab Sample Prep. Procedure |
|--------|-----------------------|---------|-----------------|------------|----------------|--------------|----------------|------------|---------------------|----------------------------|
| DO | Dissolved oxygen (DO) | mg/l | | Actual | | | | | 360.1 | |
| ECL | Specific conductance | umho/cm | | Actual | | | | | 120.1 | |
| FLOW | Flow | cfs | | Actual | | | | | FLOW | |
| PH | pH | None | | Actual | | | | | 150.1 | |
| TEM | Temperature, water | deg C | | Actual | | | | | 170.1 | |
| TRCL | Chlorine | mg/l | Total | Actual | | | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MACRO-01 | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Citations King, K. W., 1998, A Bioassessment Method for Use in Wyoming stream and river water quality monitoring: Macroinvertebrates and Periphyton, Wyoming Department of Environmental Quality, Water Quality Division. Cheyenne, Wyoming., 1

Description IMPORTANT NOTE: Due to different levels of taxonomic detail between the Wyoming DEQ taxa list and the available taxa list employed by the STORET (ITIS list) database, modifications have been made. Contact the Wyoming DEQ for specific sample details.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 100557 | Cinygmula | | #/m2 | Calculated | | | | |
| 100755 | Baetidae | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 100800 | Baetis | | #/m2 | Calculated | | | | |
| 100800-2 | Baetis | sp.2 | #/m2 | Calculated | | | | |
| 100801 | Acentrella | | #/m2 | Calculated | | | | |
| 100817 | Baetis tricaudatus | | #/m2 | Calculated | | | | |
| 100823 | Baetis bicaudatus | | #/m2 | Calculated | | | | |
| 100873 | Centroptilum | | #/m2 | Calculated | | | | |
| 100903 | Callibaetis | | #/m2 | Calculated | | | | |
| 100996 | Ameletus | | #/m2 | Calculated | | | | |
| 101108 | Choroterpes | | #/m2 | Calculated | | | | |
| 101343 | Attenella margarita | | #/m2 | Calculated | | | | |
| 101347 | Caudatella | | #/m2 | Calculated | | | | |
| 101348 | Caudatella hystrix | | #/m2 | Calculated | | | | |
| 101478 | Caenis | | #/m2 | Calculated | | | | |
| 101494 | Baetisca | | #/m2 | Calculated | | | | |
| 101596 | Aeshnidae | | #/m2 | Calculated | | | | |
| 102077 | Coenagrionidae | | #/m2 | Calculated | | | | |
| 102139 | Argia | | #/m2 | Calculated | | | | |
| 102540 | Amphinemura | | #/m2 | Calculated | | | | |
| 102643 | Capniidae | | #/m2 | Calculated | | | | |
| 102932 | Claassenia sabulosa | | #/m2 | Calculated | | | | |
| 103121 | Doroneuria | | #/m2 | Calculated | | | | |
| 103122 | Doroneuria theodora | | #/m2 | Calculated | | | | |
| 103137 | Cultus | | #/m2 | Calculated | | | | |
| 103202 | Chloroperlidae | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 103614 | Ambrysus | | #/m2 | Calculated | | | | |
| 103684 | Belostoma | | #/m2 | Calculated | | | | |
| 111947 | Brychius | | #/m2 | Calculated | | | | |
| 112812 | Berosus | | #/m2 | Calculated | | | | |
| 114164 | Cleptelmis | | #/m2 | Calculated | | | | |
| 115086 | Climacia | | #/m2 | Calculated | | | | |
| 115236 | Culoptila | | #/m2 | Calculated | | | | |
| 115273 | Chimarra | | #/m2 | Calculated | | | | |
| 115319 | Dolophilodes | | #/m2 | Calculated | | | | |
| 115408 | Cheumatopsyche | | #/m2 | Calculated | | | | |
| 115530 | Arctopsyche grandis | | #/m2 | Calculated | | | | |
| 115635 | Agraylea | | #/m2 | Calculated | | | | |
| 115935 | Apatania | | #/m2 | Calculated | | | | |
| 116018 | Chyranda (Archaic) | | #/m2 | Calculated | | | | |
| 116265 | Dicosmoecus | | #/m2 | Calculated | | | | |
| 116266 | Dicosmoecus atripes | | #/m2 | Calculated | | | | |
| 116268 | Dicosmoecus gilvipes | | #/m2 | Calculated | | | | |
| 116684 | Ceraclea | | #/m2 | Calculated | | | | |
| 116906 | Brachycentrus | | #/m2 | Calculated | | | | |
| 116912 | Brachycentrus americanus | | #/m2 | Calculated | | | | |
| 116918 | Brachycentrus occidentalis | | #/m2 | Calculated | | | | |
| 116934 | Amiocentrus | | #/m2 | Calculated | | | | |
| 117121 | Agapetus | | #/m2 | Calculated | | | | |
| 119656 | Antocha | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 120488 | Cryptolabis | | #/m2 | Calculated | | | | |
| 121027 | Dicranota | | #/m2 | Calculated | | | | |
| 121227 | Blephariceridae | | #/m2 | Calculated | | | | |
| 121230 | Agathon | | #/m2 | Calculated | | | | |
| 121287 | Deuterophlebia | | #/m2 | Calculated | | | | |
| 125810 | Dixa | | #/m2 | Calculated | | | | |
| 125854 | Dixella | | #/m2 | Calculated | | | | |
| 127076 | Ceratopogonidae | | #/m2 | Calculated | | | | |
| 127338 | Ceratopogoninae | | #/m2 | Calculated | | | | |
| 127917 | Chironomidae | | #/m2 | Calculated | | | | |
| 128026 | Brundiniella | | #/m2 | Calculated | | | | |
| 128130 | Conchapelopia | | #/m2 | Calculated | | | | |
| 128343 | Boreoheptagyia | | #/m2 | Calculated | | | | |
| 128355 | Diamesa | | #/m2 | Calculated | | | | |
| 128477 | Brillia | | #/m2 | Calculated | | | | |
| 128511 | Cardiocladius | | #/m2 | Calculated | | | | |
| 128520 | Chaetocladius | | #/m2 | Calculated | | | | |
| 128563 | Corynoneura | | #/m2 | Calculated | | | | |
| 128575 | Cricotopus | | #/m2 | Calculated | | | | |
| 128575-2 | Cricotopus | sp.2 | #/m2 | Calculated | | | | |
| 128575-3 | Cricotopus | sp.3 | #/m2 | Calculated | | | | |
| 128583 | Cricotopus bicinctus | | #/m2 | Calculated | | | | |
| 128651 | Cricotopus tremulus | | #/m2 | Calculated | | | | |
| 128659 | Cricotopus trifascia | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 128670 | Diplocladius | | #/m2 | Calculated | | | | |
| 129229 | Chironomini | | #/m2 | Calculated | | | | |
| 129254 | Chironomus | | #/m2 | Calculated | | | | |
| 129350 | Cladopelma | | #/m2 | Calculated | | | | |
| 129350-2 | Cladopelma | sp.2 | #/m2 | Calculated | | | | |
| 129368 | Cryptochironomus | | #/m2 | Calculated | | | | |
| 129394 | Cryptotendipes | | #/m2 | Calculated | | | | |
| 129421 | Demicryptochironomus | | #/m2 | Calculated | | | | |
| 129428 | Dicrotendipes | | #/m2 | Calculated | | | | |
| 129873 | Cladotanytarsus | | #/m2 | Calculated | | | | |
| 129884 | Constempellina | | #/m2 | Calculated | | | | |
| 130052 | Brachycercus | | #/m2 | Calculated | | | | |
| 130929 | Atherix | | #/m2 | Calculated | | | | |
| 135849 | Clinocera | | #/m2 | Calculated | | | | |
| 136305 | Chelifera | | #/m2 | Calculated | | | | |
| 136824 | Dolichopodidae | | #/m2 | Calculated | | | | |
| 206655 | Apedilum | | #/m2 | Calculated | | | | |
| 68680 | Aulodrilus pigueti | | #/m2 | Calculated | | | | |
| 69168 | Branchiobdellida | | #/m2 | Calculated | | | | |
| 92686 | Caecidotea | | #/m2 | Calculated | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MACRO-02 | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Citations King, K. W., 1998, A Bioassessment Method for Use in Wyoming stream and river water quality monitoring: Macroinvertebrates and Periphyton,

Characteristic Group Details

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WY-DEQ

Wyoming Dept. of Environmental Quality

Description Wyoming Department of Environmental Quality , Water Quality Division. Cheyenne, Wyoming., 1
 IMPORTANT NOTE: Due to different levels of taxonomic detail between the Wyoming DEQ taxa list and the available taxa list employed by the STORET (ITIS list) database, modifications have been made. Contact the Wyoming DEQ for specific sample details.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 100502 | Ephemeroptera | | #/m2 | Calculated | | | | |
| 100504 | Heptageniidae | | #/m2 | Calculated | | | | |
| 100602 | Heptagenia | | #/m2 | Calculated | | | | |
| 100602-2 | Heptagenia | sp.2 | #/m2 | Calculated | | | | |
| 100626 | Epeorus | | #/m2 | Calculated | | | | |
| 100626-2 | Epeorus | sp.2 | #/m2 | Calculated | | | | |
| 100629 | Epeorus albertae | | #/m2 | Calculated | | | | |
| 100637 | Epeorus longimanus | | #/m2 | Calculated | | | | |
| 101095 | Leptophlebiidae | | #/m2 | Calculated | | | | |
| 101148 | Leptophlebia | | #/m2 | Calculated | | | | |
| 101233 | Ephemerella | | #/m2 | Calculated | | | | |
| 101233-2 | Ephemerella | sp.2 | #/m2 | Calculated | | | | |
| 101239 | Ephemerella inermis | | #/m2 | Calculated | | | | |
| 101240 | Ephemerella infrequens | | #/m2 | Calculated | | | | |
| 101368 | Drunella doddsi | | #/m2 | Calculated | | | | |
| 101370 | Drunella grandis | | #/m2 | Calculated | | | | |
| 101385 | Drunella spinifera | | #/m2 | Calculated | | | | |
| 101389 | Drunella coloradensis | | #/m2 | Calculated | | | | |
| 101392 | Drunella flavilinea | | #/m2 | Calculated | | | | |
| 101526 | Ephemera | | #/m2 | Calculated | | | | |
| 101537 | Hexagenia | | #/m2 | Calculated | | | | |
| 101664 | Gomphidae | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 102048 | Hetaerina | | #/m2 | Calculated | | | | |
| 102102 | Enallagma | | #/m2 | Calculated | | | | |
| 102840 | Leuctridae | | #/m2 | Calculated | | | | |
| 102971 | Hesperoperla | | #/m2 | Calculated | | | | |
| 102972 | Hesperoperla pacifica | | #/m2 | Calculated | | | | |
| 102995 | Isoperla | | #/m2 | Calculated | | | | |
| 103124 | Isogenoides | | #/m2 | Calculated | | | | |
| 103149 | Kogotus | | #/m2 | Calculated | | | | |
| 111858 | Haliplus | | #/m2 | Calculated | | | | |
| 111963 | Dytiscidae | | #/m2 | Calculated | | | | |
| 112811 | Hydrophilidae | | #/m2 | Calculated | | | | |
| 113106 | Helophorus | | #/m2 | Calculated | | | | |
| 114006 | Helichus | | #/m2 | Calculated | | | | |
| 114093 | Elmidae | | #/m2 | Calculated | | | | |
| 114126 | Dubiraphia | | #/m2 | Calculated | | | | |
| 114139 | Lara avara | | #/m2 | Calculated | | | | |
| 114167 | Heterolimnius | | #/m2 | Calculated | | | | |
| 115398 | Hydropsychidae | | #/m2 | Calculated | | | | |
| 115453 | Hydropsyche | | #/m2 | Calculated | | | | |
| 115629 | Hydroptilidae | | #/m2 | Calculated | | | | |
| 115629-2 | Hydroptilidae | sp.2 | #/m2 | Calculated | | | | |
| 115630 | Leucotrichia | | #/m2 | Calculated | | | | |
| 115641 | Hydroptila | | #/m2 | Calculated | | | | |
| 115823 | Ithytrichia | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 115933 | Limnephilidae | | #/m2 | Calculated | | | | |
| 116001 | Hesperophylax | | #/m2 | Calculated | | | | |
| 116025 | Ecclisomyia | | #/m2 | Calculated | | | | |
| 116069 | Limnephilus | | #/m2 | Calculated | | | | |
| 116794 | Lepidostoma | | #/m2 | Calculated | | | | |
| 116794-2 | Lepidostoma | sp.2 | #/m2 | Calculated | | | | |
| 116794-3 | Lepidostoma | sp.3 | #/m2 | Calculated | | | | |
| 116794-4 | Lepidostoma | sp.4 | #/m2 | Calculated | | | | |
| 117016 | Helicopsyche | | #/m2 | Calculated | | | | |
| 117020 | Helicopsyche borealis | | #/m2 | Calculated | | | | |
| 117159 | Glossosoma | | #/m2 | Calculated | | | | |
| 119704 | Limonia | | #/m2 | Calculated | | | | |
| 120094 | Hexatoma | | #/m2 | Calculated | | | | |
| 120164 | Limnophila | | #/m2 | Calculated | | | | |
| 120503 | Erioptera | | #/m2 | Calculated | | | | |
| 120732 | Hesperoconopa | | #/m2 | Calculated | | | | |
| 127112 | Forcipomyiinae | | #/m2 | Calculated | | | | |
| 128183 | Larsia | | #/m2 | Calculated | | | | |
| 128689 | Eukiefferiella | | #/m2 | Calculated | | | | |
| 128730 | Heleniella | | #/m2 | Calculated | | | | |
| 128737 | Heterotrissocladius | | #/m2 | Calculated | | | | |
| 128750 | Hydrobaenus | | #/m2 | Calculated | | | | |
| 128771 | Krenosmittia | | #/m2 | Calculated | | | | |
| 128776 | Limnophyes | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 128811 | Lopescladius | | #/m2 | Calculated | | | | |
| 128875 | Euorthocladius | | #/m2 | Calculated | | | | |
| 129470 | Endochironomus | | #/m2 | Calculated | | | | |
| 129516 | Harnischia | | #/m2 | Calculated | | | | |
| 130436 | Euparyphus | | #/m2 | Calculated | | | | |
| 130915 | Glutops | | #/m2 | Calculated | | | | |
| 135830 | Empididae | | #/m2 | Calculated | | | | |
| 136327 | Hemerodromia | | #/m2 | Calculated | | | | |
| 146893 | Ephydridae | | #/m2 | Calculated | | | | |
| 150730 | Limnophora | | #/m2 | Calculated | | | | |
| 50845 | Hydra | | #/m2 | Calculated | | | | |
| 54503 | Dugesia | | #/m2 | Calculated | | | | |
| 68473 | Eclipidrilus | | #/m2 | Calculated | | | | |
| 68507 | Haplotaxis gordioides | | #/m2 | Calculated | | | | |
| 68510 | Enchytraeidae | | #/m2 | Calculated | | | | |
| 68639 | Limnodrilus hoffmeisteri | | #/m2 | Calculated | | | | |
| 68644 | Limnodrilus udekemianus | | #/m2 | Calculated | | | | |
| 69290 | Hirudinea | | #/m2 | Calculated | | | | |
| 69381 | Glossiphonia complanata | | #/m2 | Calculated | | | | |
| 69398 | Helobdella stagnalis | | #/m2 | Calculated | | | | |
| 70493 | Hydrobiidae | | #/m2 | Calculated | | | | |
| 70778 | Fluminicola | | #/m2 | Calculated | | | | |
| 76569 | Ferrissia | | #/m2 | Calculated | | | | |
| 76592 | Gyraulus | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 93773 | Gammarus | | #/m2 | Calculated | | | | |
| 94026 | Hyalella azteca | | #/m2 | Calculated | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|---|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MACRO-03 | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | King, K. W., 1998, A Bioassessment Method for Use in Wyoming stream and river water quality monitoring: Macroinvertebrates and Periphyton, Wyoming Department of Environmental Quality, Water Quality Division. Cheyenne, Wyoming., 1 | | | | | | |
| Description | IMPORTANT NOTE: Due to different levels of taxonomic detail between the Wyoming DEQ taxa list and the available taxa list employed by the STORET (ITIS list) database, modifications have been made. Contact the Wyoming DEQ for specific sample details. | | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 101187 | Paraleptophlebia | | #/m2 | Calculated | | | | |
| 101206 | Paraleptophlebia bicornuta | | #/m2 | Calculated | | | | |
| 101738 | Ophiogomphus | | #/m2 | Calculated | | | | |
| 102467 | Plecoptera | | #/m2 | Calculated | | | | |
| 102517 | Nemouridae | | #/m2 | Calculated | | | | |
| 102567 | Malenka | | #/m2 | Calculated | | | | |
| 102914 | Perlidae | | #/m2 | Calculated | | | | |
| 102994 | Perlodidae | | #/m2 | Calculated | | | | |
| 103110 | Megarcys | | #/m2 | Calculated | | | | |
| 103135 | Perlinodes aurea | | #/m2 | Calculated | | | | |
| 103233 | Paraperla | | #/m2 | Calculated | | | | |
| 114142 | Narpus | | #/m2 | Calculated | | | | |
| 114146 | Microcylloepus | | #/m2 | Calculated | | | | |
| 114177 | Optioservus | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 114232 | Neoelmis | | #/m2 | Calculated | | | | |
| 114235 | Ordobrevia | | #/m2 | Calculated | | | | |
| 114236 | Ordobrevia nubifera | | #/m2 | Calculated | | | | |
| 115560 | Parapsyche elsis | | #/m2 | Calculated | | | | |
| 115714 | Ochrotrichia | | #/m2 | Calculated | | | | |
| 115779 | Oxyethira | | #/m2 | Calculated | | | | |
| 115811 | Mayatrichia | | #/m2 | Calculated | | | | |
| 115833 | Neotrichia | | #/m2 | Calculated | | | | |
| 116039 | Oligophlebodes | | #/m2 | Calculated | | | | |
| 116046 | Neophylax | | #/m2 | Calculated | | | | |
| 116318 | Onocosmoecus unicolor | | #/m2 | Calculated | | | | |
| 116388 | Neothremma | | #/m2 | Calculated | | | | |
| 116388-2 | Neothremma | sp.2 | #/m2 | Calculated | | | | |
| 116607 | Oecetis | | #/m2 | Calculated | | | | |
| 116651 | Nectopsyche | | #/m2 | Calculated | | | | |
| 116958 | Micrasema | | #/m2 | Calculated | | | | |
| 117044 | Polycentropus | | #/m2 | Calculated | | | | |
| 117095 | Neureclipsis | | #/m2 | Calculated | | | | |
| 117682 | Petrophila | | #/m2 | Calculated | | | | |
| 120830 | Ormosia | | #/m2 | Calculated | | | | |
| 120830-2 | Ormosia | sp.2 | #/m2 | Calculated | | | | |
| 121118 | Pedicia | | #/m2 | Calculated | | | | |
| 125392 | Maruina | | #/m2 | Calculated | | | | |
| 125514 | Pericoma | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 128034 | Macropelopia | | #/m2 | Calculated | | | | |
| 128202 | Nilotanypus | | #/m2 | Calculated | | | | |
| 128207 | Paramerina | | #/m2 | Calculated | | | | |
| 128215 | Pentaneura | | #/m2 | Calculated | | | | |
| 128401 | Pagastia | | #/m2 | Calculated | | | | |
| 128409 | Potthastia gaedii | | #/m2 | Calculated | | | | |
| 128440 | Monodiamesa | | #/m2 | Calculated | | | | |
| 128446 | Odontomesa | | #/m2 | Calculated | | | | |
| 128457 | Orthoclaadiinae | | #/m2 | Calculated | | | | |
| 128821 | Metriocnemus | | #/m2 | Calculated | | | | |
| 128844 | Nanocladius | | #/m2 | Calculated | | | | |
| 128874 | Orthocladius | | #/m2 | Calculated | | | | |
| 128874-2 | Orthocladius | sp.2 | #/m2 | Calculated | | | | |
| 128874-3 | Orthocladius | sp.3 | #/m2 | Calculated | | | | |
| 128951 | Parachaetocladius | | #/m2 | Calculated | | | | |
| 128968 | Parakiefferiella | | #/m2 | Calculated | | | | |
| 128978 | Parametriocnemus | | #/m2 | Calculated | | | | |
| 128989 | Paraphaenocladius | | #/m2 | Calculated | | | | |
| 129005 | Paratrichocladius | | #/m2 | Calculated | | | | |
| 129011 | Parorthocladius | | #/m2 | Calculated | | | | |
| 129535 | Microtendipes | | #/m2 | Calculated | | | | |
| 129597 | Paracladopelma | | #/m2 | Calculated | | | | |
| 129623 | Paratendipes | | #/m2 | Calculated | | | | |
| 129637 | Phaenopsectra | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 129637-2 | Phaenopsectra | sp.2 | #/m2 | Calculated | | | | |
| 129657 | Polypedilum | | #/m2 | Calculated | | | | |
| 129890 | Micropsectra | | #/m2 | Calculated | | | | |
| 129935 | Paratanytarsus | | #/m2 | Calculated | | | | |
| 130914 | Pelecorhynchidae | | #/m2 | Calculated | | | | |
| 136377 | Oreogeton | | #/m2 | Calculated | | | | |
| 46861 | Porifera | | #/m2 | Calculated | | | | |
| 59490 | Nematoda | | #/m2 | Calculated | | | | |
| 68422 | Oligochaeta | | #/m2 | Calculated | | | | |
| 68440 | Lumbriculidae | | #/m2 | Calculated | | | | |
| 68854 | Naididae | | #/m2 | Calculated | | | | |
| 68946 | Nais | | #/m2 | Calculated | | | | |
| 68949 | Nais behningi | | #/m2 | Calculated | | | | |
| 68950 | Nais communis | | #/m2 | Calculated | | | | |
| 68952 | Nais elinguis | | #/m2 | Calculated | | | | |
| 68957 | Nais simplex | | #/m2 | Calculated | | | | |
| 68959 | Nais variabilis | | #/m2 | Calculated | | | | |
| 68996 | Ophidonais serpentina | | #/m2 | Calculated | | | | |
| 69165 | Lumbricidae | | #/m2 | Calculated | | | | |
| 69450 | Mooreobdella microstoma | | #/m2 | Calculated | | | | |
| 76483 | Lymnaeidae | | #/m2 | Calculated | | | | |
| 76591 | Planorbidae | | #/m2 | Calculated | | | | |
| 76698 | Physella | | #/m2 | Calculated | | | | |
| 84195 | Ostracoda | | #/m2 | Calculated | | | | |

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| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|----------|----------------------------|----------------|------------|-----------------|----------------------------|-------------------------------|---------|
| MACRO-04 | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |

Citations King, K. W., 1998, A Bioassessment Method for Use in Wyoming stream and river water quality monitoring: Macroinvertebrates and Periphyton, Wyoming Department of Environmental Quality , Water Quality Division. Cheyenne, Wyoming., 1

Description IMPORTANT NOTE: Due to different levels of taxonomic detail between the Wyoming DEQ taxa list and the available taxa list employed by the STORET (ITIS list) database, modifications have been made. Contact the Wyoming DEQ for specific sample details.

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|-------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 100507 | Stenonema | | #/m2 | Calculated | | | | |
| 100572 | Rhithrogena | | #/m2 | Calculated | | | | |
| 101317 | Timpanoga | | #/m2 | Calculated | | | | |
| 101318 | Timpanoga hecuba | | #/m2 | Calculated | | | | |
| 101399 | Serratella tibialis | | #/m2 | Calculated | | | | |
| 101405 | Tricorythodes | | #/m2 | Calculated | | | | |
| 101413 | Tricorythodes minutus | | #/m2 | Calculated | | | | |
| 102471 | Pteronarcys | | #/m2 | Calculated | | | | |
| 102471-2 | Pteronarcys | sp.2 | #/m2 | Calculated | | | | |
| 102473 | Pteronarcys californica | | #/m2 | Calculated | | | | |
| 102485 | Pteronarcella | | #/m2 | Calculated | | | | |
| 102485-2 | Pteronarcella | sp.2 | #/m2 | Calculated | | | | |
| 102486 | Pteronarcella badia | | #/m2 | Calculated | | | | |
| 102584 | Prostoia | | #/m2 | Calculated | | | | |
| 102788 | Taeniopterygidae | | #/m2 | Calculated | | | | |
| 102789 | Taeniopteryx | | #/m2 | Calculated | | | | |
| 102816 | Taenionema | | #/m2 | Calculated | | | | |
| 103102 | Skwala | | #/m2 | Calculated | | | | |
| 103273 | Sweltsa | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|--------------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 112737 | Sphaeriidae | | #/m2 | Calculated | | | | |
| 112938 | Tropisternus | | #/m2 | Calculated | | | | |
| 114095 | Stenelmis | | #/m2 | Calculated | | | | |
| 115002 | Sialis | | #/m2 | Calculated | | | | |
| 115095 | Trichoptera | | #/m2 | Calculated | | | | |
| 115097 | Rhyacophila | | #/m2 | Calculated | | | | |
| 115097-2 | Rhyacophila | sp.2 | #/m2 | Calculated | | | | |
| 115097-3 | Rhyacophila | sp.3 | #/m2 | Calculated | | | | |
| 115097-4 | Rhyacophila | sp.4 | #/m2 | Calculated | | | | |
| 115097-5 | Rhyacophila | sp.5 | #/m2 | Calculated | | | | |
| 115097-6 | Rhyacophila | sp.6 | #/m2 | Calculated | | | | |
| 115099 | Rhyacophila angelita | | #/m2 | Calculated | | | | |
| 115101 | Rhyacophila betteni | | #/m2 | Calculated | | | | |
| 115117 | Rhyacophila rotunda | | #/m2 | Calculated | | | | |
| 115125 | Rhyacophila verrula | | #/m2 | Calculated | | | | |
| 115152 | Rhyacophila vagrita | | #/m2 | Calculated | | | | |
| 115155 | Rhyacophila narvae | | #/m2 | Calculated | | | | |
| 115157 | Rhyacophila coloradensis | | #/m2 | Calculated | | | | |
| 115159 | Rhyacophila hyalinata | | #/m2 | Calculated | | | | |
| 115221 | Protoptila | | #/m2 | Calculated | | | | |
| 115335 | Psychomyia | | #/m2 | Calculated | | | | |
| 115974 | Psychoglypha | | #/m2 | Calculated | | | | |
| 115981 | Psychoglypha subborealis | | #/m2 | Calculated | | | | |
| 118840 | Tipulidae | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 119037 | Tipula | | #/m2 | Calculated | | | | |
| 119037-2 | Tipula | sp.2 | #/m2 | Calculated | | | | |
| 120968 | Rhabdomastix | | #/m2 | Calculated | | | | |
| 120968-2 | Rhabdomastix | sp.2 | #/m2 | Calculated | | | | |
| 125468 | Psychoda | | #/m2 | Calculated | | | | |
| 125786 | Ptychoptera | | #/m2 | Calculated | | | | |
| 126640 | Simuliidae | | #/m2 | Calculated | | | | |
| 126703 | Prosimulium | | #/m2 | Calculated | | | | |
| 126774 | Simulium | | #/m2 | Calculated | | | | |
| 127994 | Tanypodinae | | #/m2 | Calculated | | | | |
| 128048 | Psectrotanypus | | #/m2 | Calculated | | | | |
| 128236 | Thienemannimyia | | #/m2 | Calculated | | | | |
| 128236-2 | Thienemannimyia | sp.2 | #/m2 | Calculated | | | | |
| 128277 | Procladius | | #/m2 | Calculated | | | | |
| 128408 | Potthastia | | #/m2 | Calculated | | | | |
| 128412 | Potthastia longimana | | #/m2 | Calculated | | | | |
| 128416 | Pseudodiamesa | | #/m2 | Calculated | | | | |
| 128426 | Sympotthastia | | #/m2 | Calculated | | | | |
| 128452 | Prodiamesa | | #/m2 | Calculated | | | | |
| 128877 | Symposiocladius | | #/m2 | Calculated | | | | |
| 129018 | Psectrocladius | | #/m2 | Calculated | | | | |
| 129052 | Pseudorthocladius | | #/m2 | Calculated | | | | |
| 129071 | Pseudosmittia | | #/m2 | Calculated | | | | |
| 129083 | Psilometriocnemus | | #/m2 | Calculated | | | | |

Characteristic Group Details

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WY-DEQ

Wyoming Dept. of Environmental Quality

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|-----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 129086 | Rheocricotopus | | #/m2 | Calculated | | | | |
| 129107 | Rheosmittia | | #/m2 | Calculated | | | | |
| 129161 | Synorthocladius | | #/m2 | Calculated | | | | |
| 129182 | Thienemanniella | | #/m2 | Calculated | | | | |
| 129197 | Tvetenia | | #/m2 | Calculated | | | | |
| 129205 | Tvetenia bavarica | | #/m2 | Calculated | | | | |
| 129735 | Saetheria | | #/m2 | Calculated | | | | |
| 129746 | Stenochironomus | | #/m2 | Calculated | | | | |
| 129785 | Stictochironomus | | #/m2 | Calculated | | | | |
| 129851 | Pseudochironomus | | #/m2 | Calculated | | | | |
| 129872 | Tanytarsini | | #/m2 | Calculated | | | | |
| 129952 | Rheotanytarsus | | #/m2 | Calculated | | | | |
| 129962 | Stempellina | | #/m2 | Calculated | | | | |
| 129969 | Stempellinella | | #/m2 | Calculated | | | | |
| 129975 | Sublettea | | #/m2 | Calculated | | | | |
| 129978 | Tanytarsus | | #/m2 | Calculated | | | | |
| 130150 | Stratiomyidae | | #/m2 | Calculated | | | | |
| 130627 | Stratiomys | | #/m2 | Calculated | | | | |
| 130934 | Tabanidae | | #/m2 | Calculated | | | | |
| 189327 | Tvetenia discoloripes | | #/m2 | Calculated | | | | |
| 53964 | Turbellaria | | #/m2 | Calculated | | | | |
| 68585 | Tubificidae | | #/m2 | Calculated | | | | |
| 68623 | Tubifex tubifex | | #/m2 | Calculated | | | | |
| 68856 | Slavina appendiculata | | #/m2 | Calculated | | | | |

Characteristic Group Details

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WY-DEQ

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|----------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 68876 | Pristina | | #/m2 | Calculated | | | | |
| 68879 | Pristina aequiseta | | #/m2 | Calculated | | | | |
| 68881 | Pristina foreli | | #/m2 | Calculated | | | | |
| 68882 | Pristina idrensis | | #/m2 | Calculated | | | | |
| 68984 | Specaria | | #/m2 | Calculated | | | | |
| 68990 | Uncinaiis uncinata | | #/m2 | Calculated | | | | |
| 69030 | Pristinella jenkinae | | #/m2 | Calculated | | | | |

| Group ID | Group Name | Field Activity | Medium | Intent | Community | Result Group | Habitat |
|--------------------|----------------------------|---|------------|-----------------|----------------------------|-------------------------------|---------|
| MACRO-05 | Benthic Macroinvertebrates | Sample | Biological | Taxon Abundance | Benthic Macroinvertebrates | Multi-Taxon Population Census | N |
| Citations | | King, K. W., 1998, A Bioassessment Method for Use in Wyoming stream and river water quality monitoring: Macroinvertebrates and Periphyton, Wyoming Department of Environmental Quality, Water Quality Division. Cheyenne, Wyoming., 1 | | | | | |
| Description | | IMPORTANT NOTE: Due to different levels of taxonomic detail between the Wyoming DEQ taxa list and the available taxa list employed by the STORET (ITIS list) database, modifications have been made. Contact the Wyoming DEQ for specific sample details. | | | | | |

| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|----------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 102510 | Yoroperla | | #/m2 | Calculated | | | | |
| 102591 | Zapada | | #/m2 | Calculated | | | | |
| 102591-2 | Zapada | sp.2 | #/m2 | Calculated | | | | |
| 102594 | Zapada cinctipes | | #/m2 | Calculated | | | | |
| 102596 | Zapada columbiana | | #/m2 | Calculated | | | | |
| 102597 | Zapada oregonensis | | #/m2 | Calculated | | | | |
| 102615 | Visoka cataractae | | #/m2 | Calculated | | | | |
| 114205 | Zaitzevia | | #/m2 | Calculated | | | | |
| 115258 | Wormaldia | | #/m2 | Calculated | | | | |

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| Row ID | Characteristic Name | Species # | Unit | Value Type | Statistic Type | Taxon Pollution Tolerance | Functional Feeding Group | Trophic Level |
|--------|---------------------|-----------|------|------------|----------------|---------------------------|--------------------------|---------------|
| 135920 | Wiedemannia | | #/m2 | Calculated | | | | |