

Boston Hbr. Deep Draft Project - Benthic Sampling Results - Sept 4-5, 2003

Species	North Channel						Mystic River		
	Sample A	Sample B	Sample E	Sample H	Sample I	Sample J	Sample SS	Sample YY	Sample VV
ANNELIDA									
POLYCHAETA									
Leitoscoloplos robustus	1	*	1	*	*	*	*	*	*
Aricidea catherinae	11	155	168	240	58	77	3	*	*
Aricidea jeffreysi	*	*	5	*	*	*	*	*	*
Paradoneis lyra	*	*	3	*	*	1	*	*	*
Prionospio steenstrupi	12	49	*	59	23	*	*	*	*
Polydora cornuta	*	3	*	*	*	*	*	*	*
Polydora ligni	*	*	*	*	*	*	*	*	*
Dipolydora socialis	*	*	*	*	1	*	*	*	*
Spio setosa	*	5	*	*	*	*	*	*	*
Spio limnicola	*	*	1	*	*	*	*	*	*
Spio filiformis	*	*	*	*	*	*	*	*	*
Spio spp.	*	*	1	*	*	*	*	*	*
Scolelepis limnicola	*	*	*	*	*	27	*	*	*
Scolelepis squamata	*	*	*	*	*	5	*	*	*
Streblospio benedicti	*	*	*	*	*	*	*	*	*
Harmothe imbricata	11	*	*	4	50	*	*	*	*
Harmothe extenuata	*	*	*	*	*	*	*	*	*
Pholoe minuta	*	*	*	*	*	*	*	*	*
Sthenelais boa	*	*	*	1	*	*	*	*	*
Ampharete acutifrons	2	4	*	2	10	*	*	*	*
Ampharete americana	*	*	*	4	*	*	*	*	*
Ampharete sp.	*	*	1	*	*	*	*	*	*
Asabellides aculata	*	*	*	*	*	*	*	*	*
Nephtys incisa	1	4	*	13	3	*	1	*	*
Nephtys picta	*	*	*	*	*	*	*	*	*
Nephtys bucera	*	*	2	1	*	*	*	*	*
Pherusa affinis	2	*	*	*	*	*	*	*	*
Phyllodoce mucosa	*	22	1	1	*	*	*	*	*
Phyllodoce arenae	*	6	*	1	*	*	*	*	*
Eteone longa	*	*	*	4	2	*	*	*	*
Eteone lactea	*	*	*	*	*	*	*	*	*
Eteone heteropoda	*	*	*	*	*	*	*	*	*
Eulalia viridis	*	*	*	*	3	*	*	*	*
Eumida sanguinea	*	*	*	*	*	*	*	*	*
Hetermastus filiformis	*	8	*	*	6	*	*	*	*
Mediomastus ambiseta	*	74	*	17	14	*	*	*	*
Capitella sp.	*	*	*	*	*	*	*	*	*
Thrayx acutis	*	56	2	232	81	35	*	*	3
Dodecaceria sp.	*	*	*	*	*	*	*	*	*
Cirratulidae	*	*	*	*	*	*	*	*	*
Exogone hebes	*	*	3	2	*	12	*	*	*
Eusyllis sp.	*	*	*	1	*	3	*	*	*
Paraprionosyllis longicirrata	*	*	*	*	*	8	*	*	*

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Species	North Channel						Mystic River		
	Sample A	Sample B	Sample E	Sample H	Sample I	Sample J	Sample SS	Sample YY	Sample VV
ANNELIDA									
POLYCHAETA									
Pandora gouldiana	*	*	*	1	*	*	*	*	*
GASTROPODA									
Nassarius trivittatus	*	2	8	7	12	2	*	*	*
Acanthodoris pilosa	1	*	*	8	17	1	*	*	*
Polycera sp.	*	*	1	*	4	*	*	*	*
Polycera dubia	*	*	*	1	*	*	*	*	*
Tergipes tergipes	*	*	*	*	*	*	*	*	*
NEMERTEA									
Cerebratulus sp.	*	*	*	*	*	*	*	*	*
Lineus sp.	*	*	*	*	*	*	*	*	*
Nemerta sp A	*	13	*	*	*	1	*	*	*
Nemerta sp B	*	*	*	*	*	1	*	*	*
BRYOZOA									
Membranipora sp.	*	*	*	*	present	*	*	*	*
Bugula turrita	*	*	*	*	*	*	*	*	*
PHORONIDA									
Phoronis architecta	*	*	*	*	*	*	*	*	*
CNIDARIA									
Ectopleura crocea	present	*	*	*	present	*	*	*	*
Ceretheopsis americana	*	*	*	1	*	*	*	*	*
Edwardsia elegans	*	*	*	*	*	*	*	*	*
ECHINODERMATA									
Amphipholis sqamata	*	*	*	1	7	*	*	*	*
Arbacia punctulata	*	*	*	*	1	*	*	*	*
Leptosynapta sp.	*	*	*	*	*	*	*	*	*
ARTHROPODA									
CRUSTACEANS									
Balanus sp.	*	*	*	*	present	*	*	*	*
Leptocheirus pinguis	14	3	*	*	*	*	*	*	*
Unciola irrorata	7	*	*	1	2	3	*	*	*
Orchomenella pinguis	6	3	*	*	5	*	*	*	*
Orchomenella minuta	*	*	*	*	*	*	*	*	*
Ampelisca abdita	7	12	8	*	*	4	*	*	*
Ampelisca vadorum	*	*	*	5	*	*	*	*	*
Corophium insidiosum	9	*	*	*	18	*	*	*	*
Corophium sp.	*	*	*	4	3	*	*	*	*

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Species	North Channel						Mystic River		
	Sample A	Sample B	Sample E	Sample H	Sample I	Sample J	Sample SS	Sample YY	Sample VV
ANNELIDA									
POLYCHAETA									
Oxyurostylus smithi	1	*	*	*	6	*	*	*	*
Photis sp.	5	*	*	*	7	*	*	*	*
Parametotella cypris	3	*	*	*	*	*	*	*	*
Phoxocephalus holbolli	*	*	1	*	*	*	*	*	*
Melita dentata	*	*	*	5	*	*	*	*	*
Microdeutopus gryllotalpus	*	*	*	*	12	*	*	*	*
Microduetous anomalus	*	*	*	*	*	*	*	*	*
Microduetous sp.	*	*	*	*	*	*	*	*	*
Ischyrocerus anguipes	*	*	*	*	*	*	*	*	*
Caprella penanthus	27	13	*	*	6	*	*	*	*
Lamprops quadriplicata	1	*	1	*	*	*	*	*	*
Chirodeta laevis	*	1	*	*	*	*	*	*	*
Leptochelia savignyi	*	*	2	*	*	*	*	*	*
Edotea triloba	*	*	1	*	*	*	*	*	*
Cancer irroratus	1	*	*	*	12	*	*	*	*
Pagurus longicarpus	*	*	*	*	*	*	*	*	*
Crangon septemspinosa	*	*	1	1	1	*	1	*	*
Mysis sp.	*	*	*	*	*	1	*	*	*
Stenopleustes gracilis	*	*	*	*	*	*	*	*	*
TOTALS									
# of Individual S/ 0.04 m-2	894	517	316	694	484	256	6	0	3
# of Species S/ 0.04 m-2	23	22	21	32	43	20	4	0	1

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Species	President Roads						Main Ship Channel				
	Sample 1	Sample 2	Sample 3	Sample L	Sample O	Sample PP	Sample BB	Sample MM	Sample S	Sample U	Sample X
ANNELIDA											
POLYCHAETA											
Sphaerosyllis erinaceus	*	*	*	*	*	*	*	*	*	*	*
Procearea sp.	*	*	*	*	*	*	*	*	*	*	*
Polycirrus eximius	*	2	*	8	*	*	*	*	*	*	1
Nicolea sp.	*	*	*	*	*	*	*	*	*	*	*
Pista cristata	*	*	*	*	*	*	*	1	*	*	*
Terribellidae	*	*	*	*	*	*	*	*	*	*	*
Pectinaria gouldii	*	*	1	*	1	3	*	*	*	*	*
Microphthalmus aberrans	*	1	*	*	*	*	*	*	*	*	*
Euchone irricolor	*	*	*	*	*	*	*	*	1	*	*
Scoletoma fragilis	48	44	23	2	34	44	*	164	122	191	124
Ninoe nigripes	*	*	*	*	*	*	3	*	*	*	11
Lumbrineris tenuis	*	*	*	*	*	*	2	*	*	*	*
Lubrinieris occinae	*	*	*	*	*	3	*	*	*	*	*
Nereis grayi	*	2	1	*	*	1	*	1	*	*	*
Nereis virens	1	*	*	*	1	*	*	*	1	*	*
Nereis sp.	3	*	*	*	*	*	*	*	*	*	*
Ophelia aulogaster	5	3	*	*	*	4	3	4	11	2	*
Hydroides dianthus	*	*	*	*	*	*	*	*	*	*	*
Clymenella torquata	*	*	1	*	*	*	*	1	*	*	*
Glycera americana	*	*	*	*	*	*	*	1	*	*	1
Syllis sp. A	*	*	*	1	4	*	*	*	*	*	*
OLIGOCHAETA											
Unidentified Oligochaete sp	16	242	110	*	*	*	18	137	16	164	115
ARCHIANNELIDA											
Unidentified Archiannelid sp	*	*	*	*	*	*	*	*	*	*	*
MOLLUSCA											
BIVALVIA											
Hiatella arctica	*	*	*	*	4	*	*	*	*	*	*
Cerastoderma sp.	1	1	*	*	3	1	*	*	2	1	*
Mytilus edulis	*	*	*	*	*	*	*	*	*	*	*
Solen viridis	*	*	*	*	*	*	*	*	*	*	*
Macoma tenta	*	1	*	*	*	*	*	*	*	*	*
Macoma sp.	*	*	*	*	*	*	*	*	*	*	*
Anomia simplex	*	*	*	*	*	*	*	*	*	*	*
Pitar morrhuanus	1	*	*	*	*	*	*	*	*	*	*
Nuculana tenuisulcata	1	*	*	*	*	*	*	*	*	*	*
Lyonsia hyalina	*	2	*	*	*	*	*	*	*	2	*
Yoldia limatula	*	3	*	*	*	*	*	*	*	*	*
Tellina agilis	*	*	*	*	*	*	*	*	*	1	*
Petricola pholadiformis	*	*	*	*	8	*	*	*	*	*	*

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Species	President Roads						Main Ship Channel				
	Sample 1	Sample 2	Sample 3	Sample L	Sample O	Sample PP	Sample BB	Sample MM	Sample S	Sample U	Sample X
ANNELIDA											
POLYCHAETA											
<i>Pandora gouldiana</i>	*	*	*	*	*	*	*	*	*	*	*
GASTROPODA											
<i>Nassarius trivittatus</i>	*	1	*	1	17	1	3	1	3	1	3
<i>Acanthodoris pilosa</i>	*	*	*	6	*	*	*	*	*	*	*
<i>Polycera</i> sp.	*	*	*	*	*	*	*	*	*	*	*
<i>Polycera dubia</i>	*	*	*	3	*	1	*	*	*	*	*
<i>Tergipes tergipes</i>	*	*	*	1	*	*	*	*	*	*	*
NEMERTEA											
<i>Cerebratulus</i> sp.	*	2	*	*	*	*	1	2	*	1	*
<i>Lineus</i> sp.	*	*	*	*	*	*	*	*	*	5	*
<i>Nemerta</i> sp A	15	*	*	*	*	*	*	*	*	*	*
<i>Nemerta</i> sp B	*	2	*	*	*	*	*	*	3	*	*
BRYOZOA											
<i>Membranipora</i> sp.	*	*	*	*	*	*	*	*	*	*	*
<i>Bugula turrita</i>	*	*	*	present	*	*	*	*	*	*	*
PHORONIDA											
<i>Phoronis architecta</i>	*	*	*	*	*	3	*	*	*	*	*
CNIDARIA											
<i>Ectopleura crocea</i>	*	*	*	present	*	*	*	*	*	*	*
<i>Ceretheopsis americana</i>	*	*	*	*	*	*	1	*	*	*	*
<i>Edwardsia elegans</i>	*	*	*	*	*	*	*	*	*	1	1
ECHINODERMATA											
<i>Amphipholis squamata</i>	*	*	*	17	1	*	*	*	*	*	*
<i>Arbacia punctulata</i>	*	*	*	*	*	*	*	*	*	*	*
<i>Leptosynapta</i> sp.	*	1	*	*	*	*	*	*	*	1	*
ARTHROPODA											
CRUSTACEANS											
<i>Balanus</i> sp.	*	*	*	present	*	*	*	*	*	*	*
<i>Leptocheirus pinguis</i>	85	138	210	*	*	*	*	66	13	26	13
<i>Unciola irrorata</i>	3	4	63	*	*	4	1	8	6	2	5
<i>Orchomenella pinguis</i>	31	203	212	*	6	*	*	94	11	32	*
<i>Orchomenella minuta</i>	*	*	*	*	*	1	*	*	*	*	4
<i>Ampelisca abdita</i>	1093	1378	1656	*	5	*	119	384	1068	627	279
<i>Ampelisca vadorum</i>	*	*	*	*	*	*	*	*	*	*	*
<i>Corophium insidiosum</i>	1	*	12	*	*	*	*	*	*	*	*
<i>Corophium</i> sp.	*	*	1	1	*	*	*	*	*	*	*

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Species	President Roads						Main Ship Channel				
	Sample 1	Sample 2	Sample 3	Sample L	Sample O	Sample PP	Sample BB	Sample MM	Sample S	Sample U	Sample X
ANNELIDA											
POLYCHAETA											
Oxyurostylus smithi	*	*	*	*	*	*	*	*	*	*	*
Photis sp.	*	*	*	*	*	*	*	*	*	*	*
Parametotella cypris	*	*	*	*	*	*	*	*	*	*	*
Phoxocephalus holbolli	*	*	*	*	*	*	*	*	*	*	*
Melita dentata	*	*	*	*	*	*	*	*	*	*	*
Microdeutopus gryllotalpus	*	102	5	*	1	*	1	3	9	14	*
Microduetous anomalous	29	*	55	*	*	*	*	*	*	*	*
Microduetous sp.	*	*	11	*	*	*	*	*	*	*	*
Ischyrocerus anguipes	*	*	*	6	*	1	*	*	*	*	*
Caprella penanthus	*	*	*	6	*	*	*	*	*	*	*
Lamprops quadriplicata	*	*	*	*	*	*	*	*	*	*	*
Chirodeta laevis	*	*	*	*	*	*	*	*	*	*	*
Leptochelia savignyi	*	*	*	1	*	*	*	*	*	*	*
Edotea triloba	*	*	*	*	*	*	*	*	*	*	*
Cancer irroratus	1	1	*	1	*	*	*	*	*	*	1
Pagurus longicarpus		1	*	*	*	*	*	*	*	*	1
Crangon septemspinosa	*	*	*	1	*	*	*	*	*	*	*
Mysis sp.	*	*	*	1	*	*	*	*	*	*	*
Stenopleustes gracilis	*	*	*	3	*	*	*	*	*	*	*
TOTALS											
# of Individual S/ 0.04 m-2	1926	2938	3016	167	149	1079	416	1534	2102	1959	1477
# of Species S/ 0.04 m-2	31	34	26	30	20	28	21	29	25	29	25

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Species	Chelsea River							Reserved Channel		
	Sample 2	Sample 5	Sample 8	Sample 11	Sample 14	Sample 17	Sample 20	Sample FF	Sample II	Sample KK
ANNELIDA										
POLYCHAETA										
Oxyurostylus smithi	*	*	*	*	*	*	*	*	*	*
Photis sp.	*	*	*	*	*	*	*	*	*	*
Parametotella cypris	*	*	*	*	*	*	*	*	*	*
Phoxocephalus holbolli	*	*	*	*	*	*	*	*	*	*
Melita dentata	*	*	*	*	*	*	*	*	*	*
Microdeutopus gryllotalpus	*	*	*	*	*	*	*	*	*	*
Microduetous anomalus	*	*	*	*	*	*	*	*	*	*
Microduetous sp.	*	*	*	*	*	*	*	*	*	*
Ischyrocerus anguipes	*	*	*	*	*	*	*	*	*	*
Caprella penanthus	*	*	*	*	*	*	*	*	*	*
Lamprops quadriplicata	*	*	*	*	*	*	*	*	*	*
Chirodeta laevis	*	*	*	*	*	*	*	*	*	*
Leptochelia savignyi	*	*	*	*	*	*	*	*	*	*
Edotea triloba	*	*	*	*	*	*	*	*	1	*
Cancer irroratus	*	*	*	*	*	*	*	*	*	*
Pagurus longicarpus	*	*	*	*	*	*	*	*	*	*
Crangon septemspinosa	1	1	2	*	*	*	1	*	*	*
Mysis sp.	*	*	*	*	*	*	*	*	*	*
Stenopleustes gracilis	*	*	*	*	*	*	*	*	*	*
TOTALS										
# of Individual S/ 0.04 m-2	21	62	28	3	2	5	1	78	18	35
# of Species S/ 0.04 m-2	10	8	6	2	2	3	1	14	8	4

Table 1. BHDDNIP Benthic Sampling Results for Massport Berths September 4-5, 2003

	CONLEY TERMINAL					NORTH JETTY				
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5
Species										
ANNELIDA										
POLYCHAETA										
Leitoscoloplos robustus	*	*	*	*	*	*	*	*	*	*
Aricidea catherinae	*	*	*	*	*	*	*	*	*	*
Aricidea jeffreysi	*	*	*	*	*	*	*	*	*	*
Paradoneis lyra	*	*	*	*	*	*	*	*	*	*
Spionidae spp.	*	*	*	*	*	*	*	*	*	*
Prionospio sp.	*	*	*	*	15	*	4	*	*	*
Prionospio steenstrupi	*	*	*	*	*	*	*	*	*	*
Polydora sp.	*	*	*	*	*	*	*	*	*	*
Polydora cornuta	*	*	*	1	*	23	9	1	*	*
Polydora ligni	*	*	*	*	*	*	*	*	*	*
Dipolydora socialis	*	*	*	*	*	*	*	*	*	*
Marenzelleria viridis	*	*	1	2	23	17	21	6	2	1
Spio setosa	*	*	*	*	*	*	*	*	*	*
Spio limnicola	*	*	*	*	*	*	*	*	*	*
Spio filiformis	*	*	*	*	*	*	*	*	*	*
Spio spp.	*	*	*	*	*	*	*	*	*	*
Scoelepis spp	*	*	*	*	*	*	*	*	*	*
Scoelepis limnicola	*	*	*	*	*	*	*	*	*	*
Scoelepis squamata	*	*	*	*	*	*	*	*	*	*
Streblospio benedicti	*	*	*	*	*	*	*	*	1	*
Polynoidae spp.	*	*	*	*	*	*	*	*	*	*
Harmothe imbricata	*	*	*	*	*	*	*	*	8	1
Harmothe extenuata	*	*	*	*	*	*	*	*	*	*
Lepidonatus squamatus	*	*	*	*	*	*	*	*	*	*
Pholoe minuta	*	*	*	*	*	*	*	*	*	*
Sthenelais boa	*	*	*	*	*	*	*	*	*	*
Ampharetidae	*	*	*	1	*	*	*	*	*	*
Ampharete acutifrons	*	*	*	*	*	*	*	*	*	*
Ampharete americana	*	*	*	*	*	*	*	*	*	*
Ampharete sp.	*	*	*	*	*	*	*	*	*	*
Asabellides aculata	*	*	*	*	*	*	*	*	*	*
Nephtys sp.	2	4	7	3	10	*	*	3	*	*
Nephtys incisa	*	1	*	*	1	*	*	*	*	*

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	CONLEY TERMINAL					NORTH JETTY				
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5
<i>Nephtys picta</i>	*	*	*	*	*	*	*	*	*	*
<i>Nephtys bucera</i>	*	*	*	*	*	3	4	*	1	3
<i>Pherusa affinis</i>	*	*	*	*	*	1	*	*	*	*
Phyllodoceidae spp.	*	*	*	*	*	*	*	1	*	*
<i>Phyllodoce mucosa</i>	*	*	*	*	*	8	1	*	*	*
<i>Phyllodoce arenae</i>	*	*	*	*	*	*	*	*	*	*
<i>Eteone longa</i>	*	*	*	*	*	*	*	*	*	*
<i>Eteone lacteal</i>	*	*	*	*	*	*	*	*	*	*
<i>Eteone heteropoda</i>	*	*	*	*	*	*	*	*	*	*
<i>Eulalia viridis</i>	*	*	*	*	*	*	*	*	*	*
<i>Eumida sanguinea</i>	*	*	*	*	*	*	*	*	*	*
Capitellidae spp.	*	1	*	1	21	17	*	*	38	14
<i>Hetermastus filiformis</i>	*	*	*	*	*	*	*	*	*	*
<i>Mediomastus ambiseta</i>	*	*	*	*	*	*	*	*	*	*
<i>Capitella</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Thrayx acutis</i>	*	*	*	*	*	*	*	*	*	*
<i>Dodecaceria</i> sp.	*	*	*	*	*	*	*	*	*	*
Cirratulidae	*	*	*	1	5	*	*	5	*	*
<i>Cirratulus</i> sp.	*	*	*	*	*	1	4	*	*	6
Cossuridae spp.	*	*	*	*	*	*	*	*	*	*
<i>Exogone hebes</i>	*	*	*	*	*	*	*	*	*	*
<i>Eusyllis</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Paraprionosyllis longicirrata</i>	*	*	*	*	*	*	*	*	*	*
<i>Sphaerosyllis erinaceus</i>	*	*	*	*	*	*	*	*	*	*
<i>Procearea</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Polycirrus eximius</i>	*	*	*	*	*	*	*	*	*	*
<i>Nicolea</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Pista cristata</i>	*	*	*	*	*	*	*	*	*	*
Terribellidae	*	*	*	*	*	*	*	*	*	*
<i>Pectinaria gouldii</i>	*	*	*	*	*	*	*	*	*	*
<i>Microphthalmus aberrans</i>	*	*	*	*	*	*	*	*	*	*
<i>Euchone irricolor</i>	*	*	*	*	*	*	*	*	*	*
<i>Scoletoma fragilis</i>	*	*	*	*	*	*	*	*	*	*
Lumbrineridae spp.	2	*	*	10	12	28	12	15	*	*
<i>Ninoe nigripes</i>	*	*	*	1	*	*	*	*	*	*
<i>Lumbrineris</i> sp.	*	*	*	*	*	*	*	*	2	*

Table 1. BHDDNIP Benthic Sampling Results for Massport Berths September 4-5, 2003

	CONLEY TERMINAL					NORTH JETTY				
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5
Lumbrineris tenuis	*	*	*	*	2	*	*	*	*	*
Lubrineris occinae	*	*	*	*	*	*	*	*	*	*
Nereis grayi	*	*	*	*	*	*	*	*	*	*
Nereis virens	*	*	*	*	*	*	*	*	*	*
Nereis sp.	*	*	*	*	*	*	*	*	*	*
Ophelia aulogaster	*	*	*	*	*	3	*	*	*	*
Orbiniidae spp.	*	*	*	*	*	3	*	*	*	*
Scalibregmidae spp.	*	*	*	*	*	1	*	*	*	*
Hydroides dianthus	*	*	*	*	*	*	*	*	*	*
Clymenella torquata	*	*	*	*	*	*	*	*	*	*
Glycera americana	*	*	*	*	*	2	*	*	*	*
Syllis spp.	*	*	*	*	*	2	*	*	*	*
Syllis sp. A	*	*	*	*	*	*	*	*	*	*
Trochochaeta sp.	*	*	*	1	1	*	*	*	*	*
OLIGOCHAETA										
Oligochaeta spp.	*	2	*	*	9	3	13	17	14	19
Unidentified Oligochaete sp. A	*	*	*	*	*	*	*	*	*	*
ARCHIANNELIDA										
Unidentified Archiannelid sp. A	*	*	*	*	*	*	*	*	*	*
MOLLUSCA										
BIVALVIA										
Hiatella arctica	*	*	*	*	*	*	*	*	*	*
Cerastoderma sp.	*	*	*	*	*	*	*	*	*	*
Mytilus edulis	*	1	*	*	1	*	*	*	2	*
Mya arenaria	*	*	*	*	*	*	*	*	*	*
Solen viridis	*	*	*	*	*	*	*	*	*	*
Macoma tenta	*	*	*	*	*	*	*	*	*	*
Macoma sp.	*	*	*	*	*	*	*	*	*	*
Anomia simplex	*	*	*	*	*	*	*	*	*	*
Pitar morrhuanus	*	*	*	*	*	*	*	*	*	*
Nuculana tenuisulcata	*	*	*	*	*	*	*	*	*	*

Table 1. BHDDNIP Benthic Sampling Results for Massport Berths September 4-5, 2003

	CONLEY TERMINAL					NORTH JETTY				
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5
<i>Lyonsia hyalina</i>	*	*	*	*	*	*	*	*	*	1
<i>Yoldia</i> sp.	1	1	*	1	*	5	6	4	*	*
<i>Yoldia limatula</i>	*	1	*	*	*	4	*	*	3	*
<i>Tellina</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Tellina agilis</i>	*	*	*	*	*	*	*	*	2	2
<i>Petricola pholadiformis</i>	*	*	*	*	*	*	*	*	*	*
<i>Pandora gouldiana</i>	*	*	*	*	*	2	*	*	*	*
GASTROPODA										
<i>Nassarius trivittatus</i>	*	*	8	*	*	19	*	5	27	17
<i>Acanthodoris pilosa</i>	*	*	*	*	*	*	*	*	*	*
<i>Polycera</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Polycera dubia</i>	*	*	*	*	*	*	*	*	*	*
<i>Tergipes tergipes</i>	*	*	*	*	*	*	*	*	*	*
<i>Crepidula plana</i>	*	*	*	*	*	*	*	*	*	*
<i>Crepidula fornicata</i>	*	*	*	*	*	2	*	*	1	*
NEMERTEA										
<i>Nemertea</i> spp.	*	*	*	*	*	*	*	*	*	*
<i>Cerebratulus</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Lineus</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Nemerta</i> sp A	*	*	*	*	*	*	*	*	*	*
<i>Nemerta</i> sp B	*	*	*	*	*	*	*	*	*	*
NEMATODA										
<i>Nematoda</i> spp.	*	*	*	*	*	1	1	1	12	3
BRYOZOA										
<i>Membranipora</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Bugula turrata</i>	*	*	*	*	*	*	*	*	*	*
PHORONIDA										
<i>Phoronis architecta</i>	*	*	*	*	*	*	*	*	*	*
PORIFERA										
<i>Porifera</i> spp.	*	*	*	*	*	*	*	*	*	P**

Table 1. BHDDNIP Benthic Sampling Results for Massport Berths September 4-5, 2003

	CONLEY TERMINAL					NORTH JETTY				
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5
CNIDARIA										
Hydrozoa	*	P	P	*	*	*	P	P	P	P
Ectopleura crocea	*	*	*	*	*	*	*	*	*	*
Ceretheopsis americana	*	*	*	*	*	*	*	*	*	*
Edwardsia elegans	*	*	*	*	*	*	*	*	*	*
ECHINODERMATA										
Amphipholis sqamata	*	*	*	*	*	*	*	*	*	*
Arbacia punctulata	*	*	*	*	*	*	*	*	*	*
Leptosynapta sp.	*	*	*	*	*	*	*	*	*	*
CHORDATA										
ASCIDIACEA										
Ascidiacea spp.	*	*	P	*	*	*	*	*	P	*
ARTHROPODA										
CRUSTACEANS										
Balanus sp.	*	*	*	*	*	*	*	*	*	*
Leptocheirus pinguis	*	*	*	*	*	*	*	*	*	*
Unciola irrorata	*	*	*	*	*	*	*	*	*	*
Orchomenella pinguis	*	*	*	*	*	*	*	*	*	*
Orchomenella minuta	*	*	*	*	*	*	*	*	*	*
Ampelisca sp.	*	*	*	*	*	*	*	*	*	*
Ampelisca abdita	*	*	*	*	1	*	*	*	1	*
Ampelisca vadorum	*	*	*	*	*	*	2	*	*	*
Corophium insidiosum	*	*	*	*	*	*	*	*	*	*
Corophium sp.	*	*	1	*	*	7	*	3	2	*
Oxyurostylus smithi	*	*	*	*	*	*	*	*	*	*
Photis sp.	*	*	*	*	*	*	*	*	*	*
Parametotella cypris	*	*	*	*	*	*	*	*	*	*
Phoxocephalus holbolli	*	*	*	*	*	*	*	*	*	*
Melita dentata	*	*	*	*	*	*	*	*	*	*
Microdeutopus gryllotalpus	*	*	*	*	*	*	*	*	*	*
Microduetous anomalous	*	*	*	*	*	*	*	*	*	*
Microduetous sp.	*	*	*	*	*	*	*	*	*	*

Table 1. BHDDNIP Benthic Sampling Results for Massport Berths September 4-5, 2003

	CONLEY TERMINAL					NORTH JETTY				
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5
<i>Ischyrocerus anguipes</i>	*	*	*	*	*	*	*	*	*	*
Caprellidae spp.	*	*	*	*	*	*	*	*	*	*
<i>Caprella penanthus</i>	*	*	*	*	*	*	*	*	*	*
<i>Lampros quadriplicata</i>	*	*	*	*	*	*	*	*	*	*
<i>Chirodeta laevis</i>	*	*	*	*	*	*	*	*	*	*
<i>Leptochelia savignyi</i>	*	*	*	*	*	*	*	*	*	*
Isopoda spp.	*	*	*	*	*	*	*	*	*	*
<i>Edotea triloba</i>	*	*	*	*	*	*	*	*	*	*
<i>Cancer irroratus</i>	*	*	*	*	*	*	*	*	*	*
<i>Cancer borealis</i>	*	*	*	*	*	*	*	*	1	*
<i>Pagurus longicarpus</i>	*	*	*	*	*	*	*	*	*	*
<i>Crangon septemspinosa</i>	*	*	*	*	*	*	*	*	*	*
Mysidacea spp.	*	*	*	*	*	*	*	*	*	*
<i>Mysis</i> sp.	*	*	*	*	*	*	*	*	*	*
<i>Neomysis americana</i>	*	*	*	*	*	1	*	*	*	*
<i>Stenopleustes gracilis</i>	*	*	*	*	*	*	*	*	*	*
TOTALS										
# of INDIVIDUALS/0.04 m²	5	11	17	22	101	153	77	61	117	67
# of SPECIES/ 0.04 m²	3	7	4	10	12	21	11	11	16	10

* No Individuals Found or only Fragments

**Table 2. BHDDNIP Characterization of the Benthic Communities at Massport Berths
September 4 - 5, 2003**

Site	No. of Taxa	Total Abundance (#/0.04m ²)	Dominant Taxa	Percent Abundance
Conley Terminal Sample 1	3	5	Lumbrineridae spp. <i>Nephtys</i> sp. <i>Yoldia</i> sp.	40 % 40% 20%
Conley Terminal Sample 2	7	11	<i>Nephtys</i> sp. Oligochaeta	36% 18%
Conley Terminal Sample 3	4	17	<i>Nassarius trivittatus</i> <i>Nephtys</i> sp.	47% 41%
Conley Terminal Sample 4	10	22	Lumbrineridae spp. <i>Nephtys</i> sp. <i>Marenzelleria viridis</i>	45% 14% 9%
Conley Terminal Sample 5	12	101	<i>Marenzelleria viridis</i> Capitellidae spp. <i>Prionospio</i> sp.	23% 21% 15%
North Jetty Sample 1	21	153	Lumbrineridae spp. <i>Polydora cornuta</i> <i>Nassarius trivittatus</i>	18% 15% 12%
North Jetty Sample 2	11	77	<i>Marenzelleria viridis</i> Oligochaeta Lumbrineridae spp.	27% 17% 16%
North Jetty Sample 3	11	61	Oligochaeta Lumbrineridae spp. <i>Marenzelleria viridis</i>	28% 25% 10%
North Jetty Sample 4	16	117	Capitellidae spp. <i>Nassarius trivittatus</i> Oligochaeta	32% 23% 12%
North Jetty Sample 5	10	67	Oligochaeta <i>Nassarius trivittatus</i> Capitellidae spp.	28% 25% 21%