



GeoInsight®

Environmental Strategy & Engineering

June 2, 2017

GeoInsight Project 6638-006

United States Environmental Protection Agency
Office of Ecosystem Protection
EPA/OEP RGP Applications Coordinator
5 Post Office Square - Suite 100 (OEP06-01)
Boston, MA 02109-3912

RE: Notice of Intent – Remediation General Permit
Park 77
75 and 83 New Street
Cambridge, Massachusetts

To Whom It May Concern:

GeoInsight Inc. (GeoInsight) prepared the attached Notice of Intent (NOI) for the Remediation General Permit (RGP) at the request of Abodez Acorn New Street LLC (Abodez). A copy of the NOI is provided in Attachment A.

The purpose of this submittal is to obtain a permit to temporarily discharge water generated during redevelopment activities at two contiguous parcels of land at 75 and 83 New Street in Cambridge, Massachusetts (herein referred to as the "Property"). The Property will be redeveloped into a new multifamily residential development that includes a single-level underground parking garage and dewatering during construction activities will be necessary. Refer to Figure 1 for the location of the Property.

BACKGROUND

The Property is located on the west side of New Street in the City of Cambridge, Massachusetts. The Property is abutted to the east by New Street and Thomas W. Danehy Park (Danehy Park), to the south by industrial and commercial buildings, to the west by Fresh Pond Mall, and to the north by a residential apartment building. Refer to Figure 1 for the location of the Property and to Figure 2 for Property features.

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200 Court Street, 2nd Floor
Middletown, CT 06457-3341
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Fax (860) 894-1023
www.geoinsight.com



The approximate Universal Transverse Mercator (UTM) and latitude/longitude coordinates for the approximate center of the Property are as follows:

UTM Coordinates (Zone 19)	Latitude & Longitude Coordinates
4,695,119 meters North	42.388379° North
323,800 meters East	70.140585° West

The 75 New Street portion of the Property consists of approximately 40,000 square feet (0.92 acres) of land, and was formerly occupied by a multi-story, slab-on-grade warehouse/office building and a paved parking lot. The building was demolished in 2015 as part of the proposed redevelopment project. The 83 New Street portion of the Property consists of approximately 9,225 square feet (0.21 acres) of land that was used as a parking lot for the Property. The 83 New Street portion of the Property abuts 75 New Street to the north. Refer to Figure 2 for the layout of the Property.

Redevelopment activities are scheduled to begin in the spring/summer of 2017. A residential apartment building with a sub-grade garage is proposed for the new development. Excavations at the Property are anticipated to be conducted to approximately 10 to 12 feet below ground surface (bgs), although localized, deeper excavations will be conducted in some areas. Based upon studies conducted to date, depth to groundwater is anticipated to be approximately 5 to 7 feet bgs. Sheet piles will be installed around the excavation perimeter to provide earth support during construction.

Dewatering will be conducted from sumps located inside the Property boundary. Dewatering will be necessary to control groundwater seepage, precipitation, surface water runoff, and possible construction-generated water to enable below-grade construction activities to occur in a relatively dry environment. Below grade construction is anticipated to start in summer of 2017. Dewatering is anticipated to occur between approximately August 2017 and June 2018.

ENVIRONMENTAL HISTORY

On May 12, 2014, a total of ten test pits were conducted to pre-characterize the Property for potential redevelopment and soil management purposes. Test pit locations are shown on Figure 2. Soil samples collected during the test pit program were laboratory analyzed for disposal parameters. Analytes detected above the applicable Massachusetts Contingency Plan (MCP) RCS-1 Reportable Concentrations consisted of arsenic, barium, benzo(a)pyrene, benzo(b)anthracene, benzo(b)fluoranthene, lead, and total petroleum hydrocarbons (TPH). Based upon these data, a Release Notification Form (RNF) was filed with the Massachusetts Department of Environmental Protection (MADEP) on June 4, 2014 and release tracking number (RTN) 3-32213 was assigned to the condition. Analytical data were included in an October 2015 Phase I Initial Site Investigation filed with MADEP.



REMEDATION GENERAL PERMIT NOTICE OF INTENT

On May 10, 2016, groundwater samples were obtained from monitoring well MW-103, located on the Property. The groundwater samples were submitted to Con-Test Analytical Laboratory of East Longmeadow, Massachusetts (Con-Test) for analysis of RGP permit parameters. The groundwater samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), total metals, TPH, polychlorinated biphenyls (PCBs), total suspended solids (TSS), chloride, cyanide, and total residual chlorine (TRC). The analytical results for the groundwater sample identified that concentrations of TSS, TRC, benzo(b)fluoranthene, copper, lead, and iron exceeded applicable RGP effluent limits.

On May 18, 2017, groundwater samples were obtained from monitoring well MW-103, located on the Property and field analyzed for temperature and pH. The samples collected on May 18, 2017 were also submitted to Con-Test for analysis of ammonia and hardness. On May 18, 2017, samples were also collected from the receiving water body, a wetland connected to Alewife Brook (segment MA71-04) and field analyzed for temperature and pH. The samples collected from the receiving water body were also analyzed for ammonia, hardness, and total metals.

During the dewatering process, groundwater will be pumped from the excavation into one or more sedimentation tanks and/or through bag filters to remove suspended solids. Supplemental treatment may be added to meet discharge criteria, as illustrated in the Proposed Treatment System Schematic included in Figure 3. Dewatering under this RGP NOI will include piping and discharging to storm drains located near the Property. The storm drain system carries water from the construction site approximately 1 mile to the northeast before discharging to wetlands associated with Alewife Brook. The water from the Property will travel through the storm drain systems located beneath New Street, Concord Avenue, Wheeler Street, and Fawcett Street. The proposed discharge route is shown on Figures 4A through 4F. Supporting documentation for the NOI is included in Attachments B through E.

DILUTION FACTOR AND EFFLUENT LIMITATION CALCULATIONS

A Dilution Factor (DF) was calculated using the methods described in Appendix V of the RGP. In order to calculate a DF, the seven day-ten-year low flow (7Q10) of the receiving water was identified in accordance with the instructions in Appendix V of the RGP and verified with Catherine Vakalopoulos of the Massachusetts Department of Environmental Protection (MADEP). Correspondence with Ms. Vakalopoulos is included in Appendix F. A copy of the USEPA provided spreadsheet to calculate the DF and water quality-based effluent limitations (WQBELs) is included in Appendix G.



SUMMARY AND CONCLUSIONS

The purpose of this report is to summarize environmental conditions and groundwater data collected to date to support a Notice of Intent to discharge under the Remediation General Permit for the redevelopment project located at 75 and 83 New Street in Cambridge, Massachusetts. The proposed construction dewatering effluent treatment system will be modified as needed to achieve the USEPA's effluent limits.

If you have any questions or comments regarding the contents of this letter or the enclosed materials, please contact either of us at (978) 679-1600.

Sincerely,
GEOINSIGHT, INC.

Robert C. Reynolds
Project Engineer

Kevin D. Trainer, C.P.G., P.G., L.S.P.
Senior Associate

FIGURES

- Figure 1 – Site Locus
- Figure 2 – Property Plan
- Figure 3 – Proposed Treatment System Schematic
- Figure 4A – Proposed Dewatering Discharge Route (Part 1 of 6)
- Figure 4B – Proposed Dewatering Discharge Route (Part 2 of 6)
- Figure 4C – Proposed Dewatering Discharge Route (Part 3 of 6)
- Figure 4D – Proposed Dewatering Discharge Route (Part 4 of 6)
- Figure 4E – Proposed Dewatering Discharge Route (Part 5 of 6)
- Figure 4F – Proposed Dewatering Discharge Route (Part 6 of 6)
- Figure 5 – BWSC Phase I Site Assessment Map

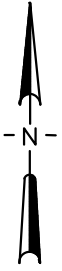
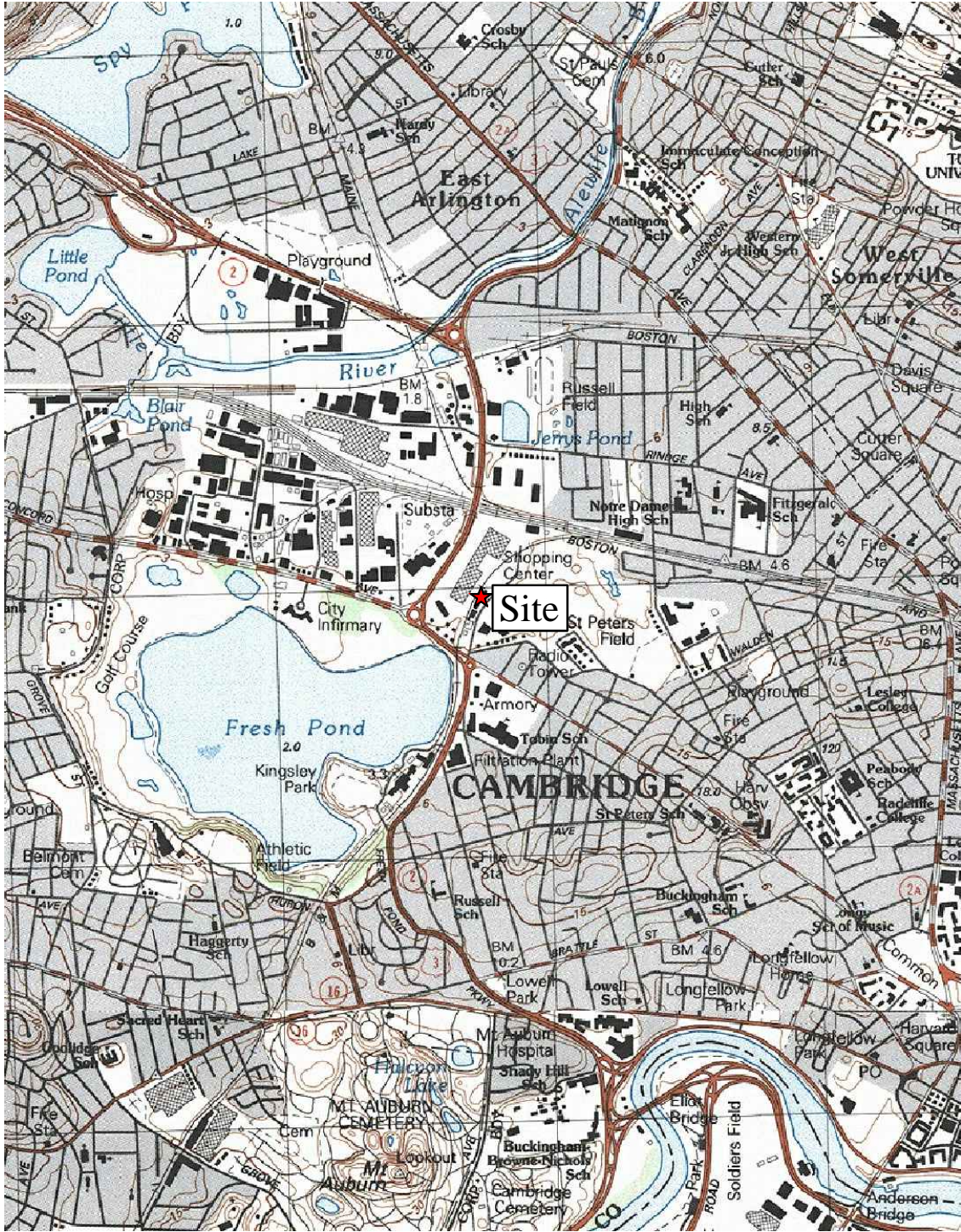
ATTACHMENTS

- Attachment A – Notice of Intent for the Remediation General Permit
- Attachment B – Endangered Species Act Documentation
- Attachment C – National Historic Preservation Act Documentation
- Attachment D – Receiving Water Hydrologic Information
- Attachment E – Laboratory Reports
- Attachment F – MADEP Correspondence
- Attachment G – USEPA Appendix V Dilution Factor and WQBEL Spreadsheet



FIGURES

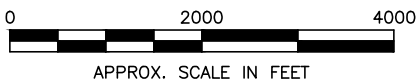




PLOT DATE: 7-18-16
 FILE: F:\Projects\Active Projects\6638 - AbodeZ 75 New Street\Figures\6638-LOCUS.dwg

SOURCE:

USGS BOSTON NORTH, MA
 1979 TOPOGRAPHIC QUADRANGLE
 CONTOUR INTERVAL: 3 METERS



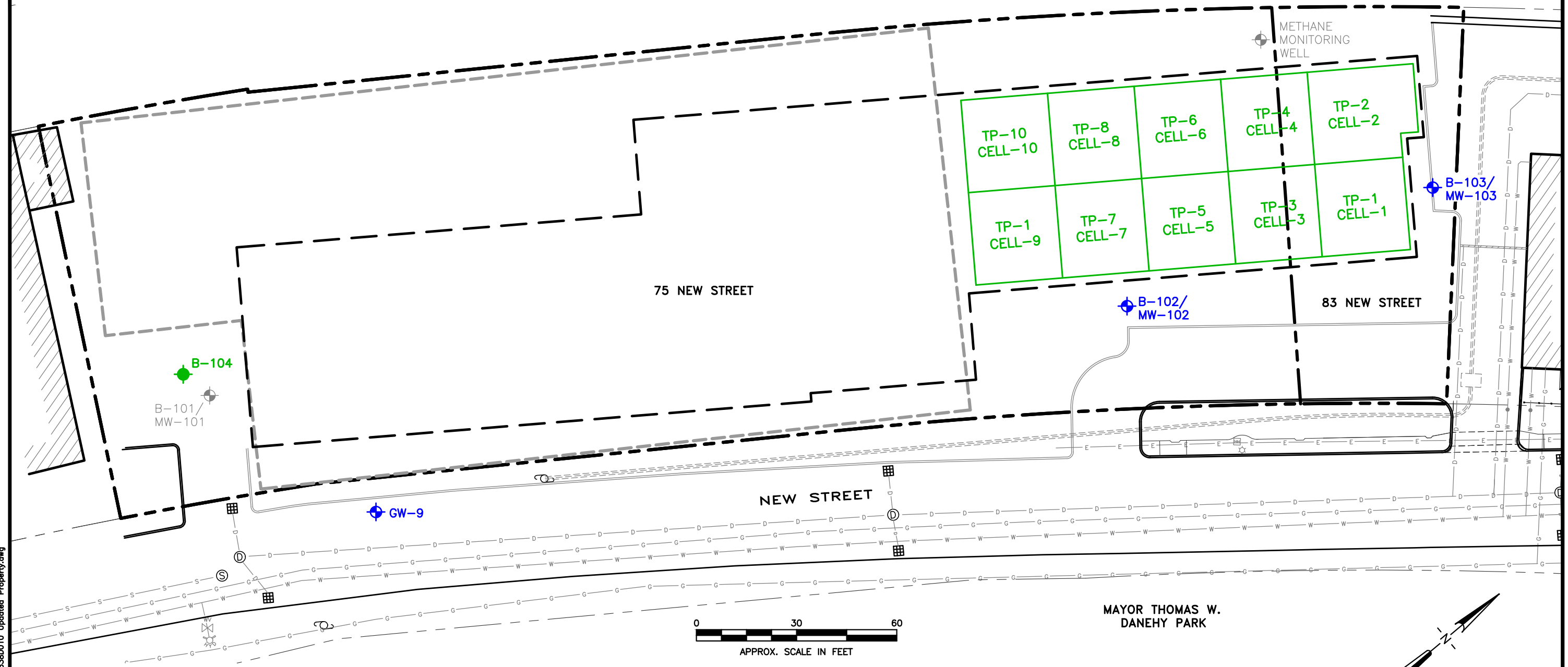
CLIENT: ADOBEZ ACORN NEW STREET LLC			
PROJECT: 75 NEW STREET CAMBRIDGE, MASSACHUSETTS			
TITLE: SITE LOCUS			
DESIGNED: TJN	DRAWN: STM	CHECKED: KDT	APPROVED: M JW
SCALE: 1" = 2000'	DATE: 05/08/12	FILE NO.: 6638-LOCUS	PROJECT NO.: 6638-000



FIGURE NO.: 1

NOTES:

1. THIS FIGURE WAS BASED UPON A GOOGLE EARTH PRO IMAGERY, DATED MAY 18, 2010 AND DRAWINGS FILES RECEIVED FROM ABODEZ DEVELOPMENT.



LEGEND:

- B-103/
MW-103** MONITORING WELL/TEST BORING LOCATION AND DESIGNATION
- B-104** SOIL BORING LOCATION AND DESIGNATION
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF EXISTING BUILDING
- APPROXIMATE LOCATION OF FORMER BUILDING
- APPROXIMATE LOCATION OF PROPOSED STRUCTURE AND ESTIMATED AREA OF SOIL EXCAVATION AND SOIL STABILIZATION ACTIVITIES
- APPROXIMATE LOCATION OF CATCH BASIN
- TP-1
CELL-1** TEST PIT/CELL LOCATION AND DESIGNATION
- B-101/
MW-101** INDICATES MONITORING WELL NOT LOCATED/OBSERVED

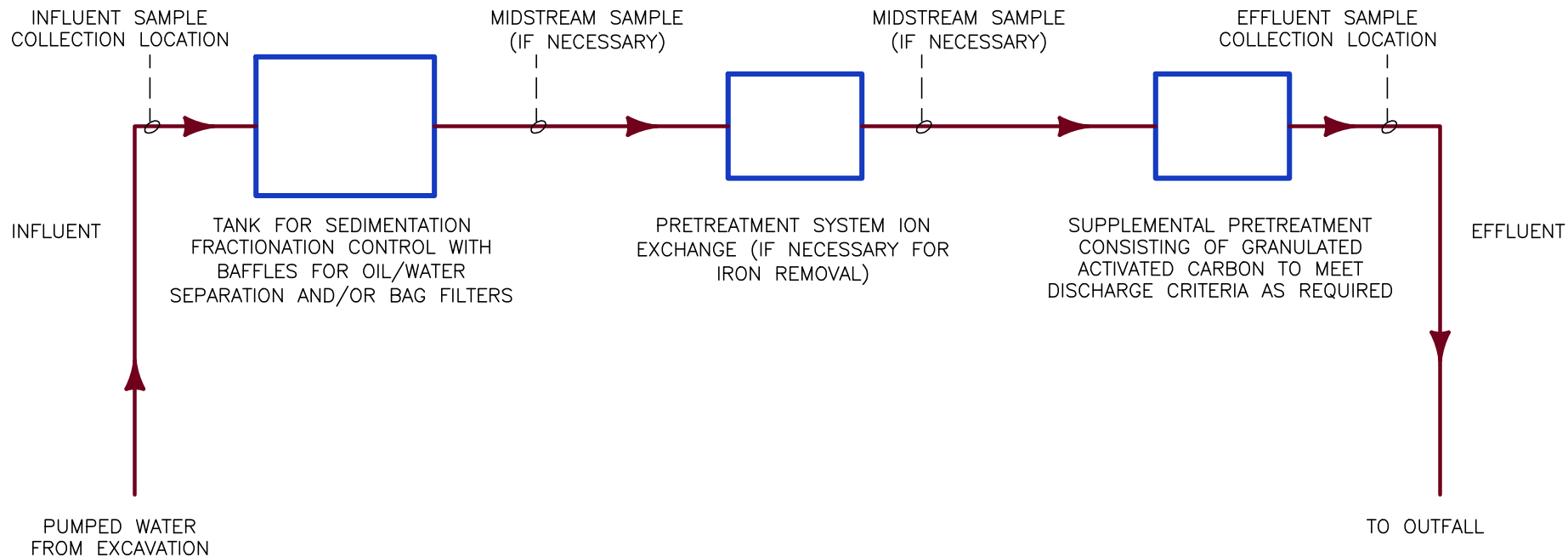
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PROJECT: 75 NEW STREET CAMBRIDGE, MASSACHUSETTS			
TITLE: PROPERTY PLAN			
DESIGNED: TWM	DRAWN: DMR	CHECKED: RCR	APPROVED: KDT
SCALE: 1" = 30'	DATE: 8/12/16	FILE NO.: 6638D010	PROJECT NO.: 6638-000

GeoInsight
Practical in Nature

FIGURE NO.: **2**

PLOT DATE: 3--22--17
FILE: C:\Users\autocad\AppData\Local\Temp\AcPublish_7384\6638D010 Updated Property.dwg

FILE: F:\Projects\Active Projects\6638 - AdobeZ 75 New Street\Figures\6463d009.dwg



LEGEND:

 DIRECTION OF FLOW

NOTE:

1. DETAILS OF TREATMENT SYSTEM MAY VARY FROM SYSTEM INDICATED ABOVE. SPECIFIC MEANS AND METHODS OF TREATMENT TO BE DEVELOPED WITH CONTRACTOR. WATER WILL BE TREATED TO MEET REQUIRED EFFLUENT STANDARDS.


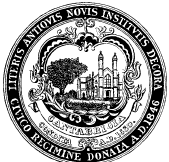
CLIENT: ADOBEZ ACORN NEW STREET LLC				
PROJECT: 75 NEW STREET CAMBRIDGE, MASSACHUSETTS				
TITLE: PROPOSED TREATMENT SYSTEM SCHEMATIC				
DESIGNED: RCR	DRAWN: NMT	CHECKED: KDT	APPROVED: RCR	
SCALE: NTS	DATE: 06/15/12	FILE NO.: 6638D009	PROJECT NO.: 6638-005	FIGURE NO.: 3

FIGURE 4A - PROPOSED DEWATERING DISCHARGE ROUTE (Part 1 of 6)

City of Cambridge

Cambridge Storm Drain System

June 23, 2016



City of Cambridge
Massachusetts

1" = 96 ft

All data is provided for graphic representation only. The City of Cambridge expressly disclaims all warranties of any type, expressed or implied, including, but not limited to, any warranty as to the accuracy of the data, merchantability, or fitness for a particular purpose.

www.cambridgema.gov/gis

- Pumping St
 - Pump Station
 - Lift Station
- Lampholes
 - LampHole, Sewage
 - LampHole, Storm Runoff
- Trench Drains
 -
- Service Laterals
 - Combined Wastewater, In
 - Stormwater
 - Sewage
 - Abandoned
- MWRA Mains
 - Abandoned
 - In Service
- Underground Structures
 - Stormwater
 - Sewage
 - Combined Sewage



Indicates Storm Drain
Flow Direction



Approximate Property
Boundary

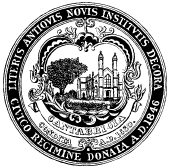
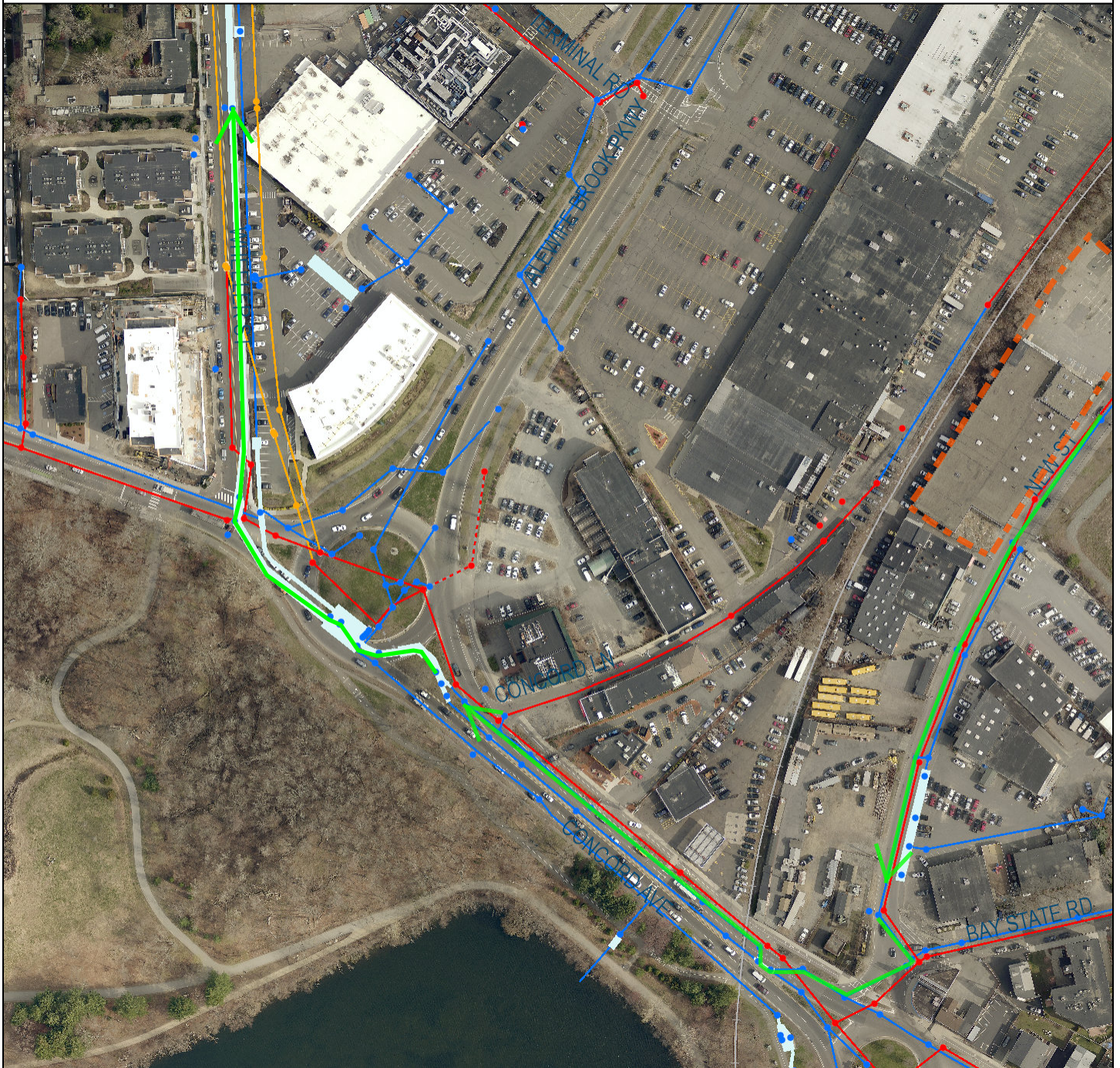


FIGURE 4B - PROPOSED DEWATERING DISCHARGE ROUTE (Part 2 of 6)

City of Cambridge

Cambridge Storm Drain System

June 23, 2016



City of Cambridge
Massachusetts

1" = 192 ft

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 - Lift Station
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 - Trench Drains
- Service Laterals
 - Combined Wastewater, In
 - Stormwater
 - Sewage
 - Abandoned
- MWRA Mains
 - Abandoned
 - In Service
- Underground Structures
 - Stormwater
 - Sewage
 - Combined Sewage



Indicates Storm Drain
Flow Direction



Approximate Property
Boundary

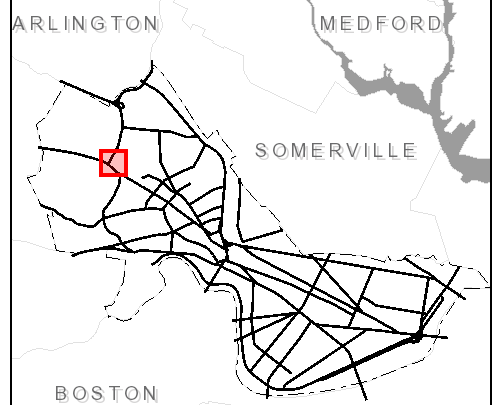
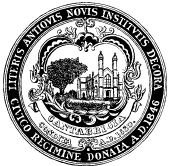
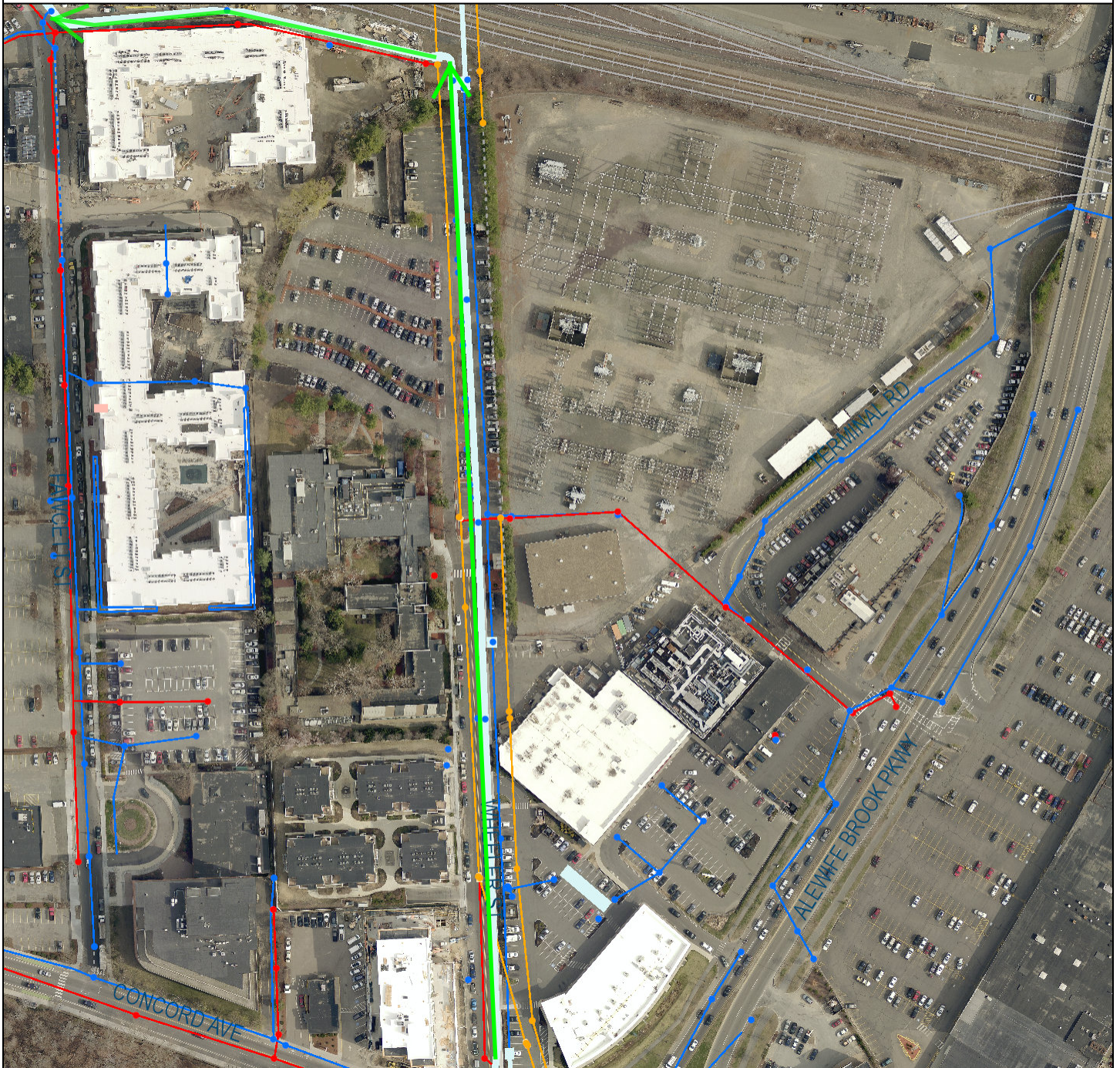


FIGURE 4C - PROPOSED DEWATERING DISCHARGE ROUTE (Part 3 of 6)

City of Cambridge

Cambridge Storm Drain System

June 23, 2016



City of Cambridge
Massachusetts

1" = 192 ft

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- Pumping St
 - Pump Station
 - Lift Station
- Lampholes
 - LampHole, Sewage
 - LampHole, Storm Runoff
- Trench Drains
 - Trench Drains
- Service Laterals
 - Combined Wastewater, In
 - Stormwater
 - Sewage
 - Abandoned
- MWRA Mains
 - Abandoned
 - In Service
- Underground Structures
 - Stormwater
 - Sewage
 - Combined Sewage

Indicates Storm Drain
Flow Direction

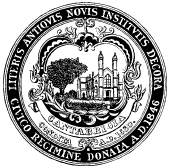
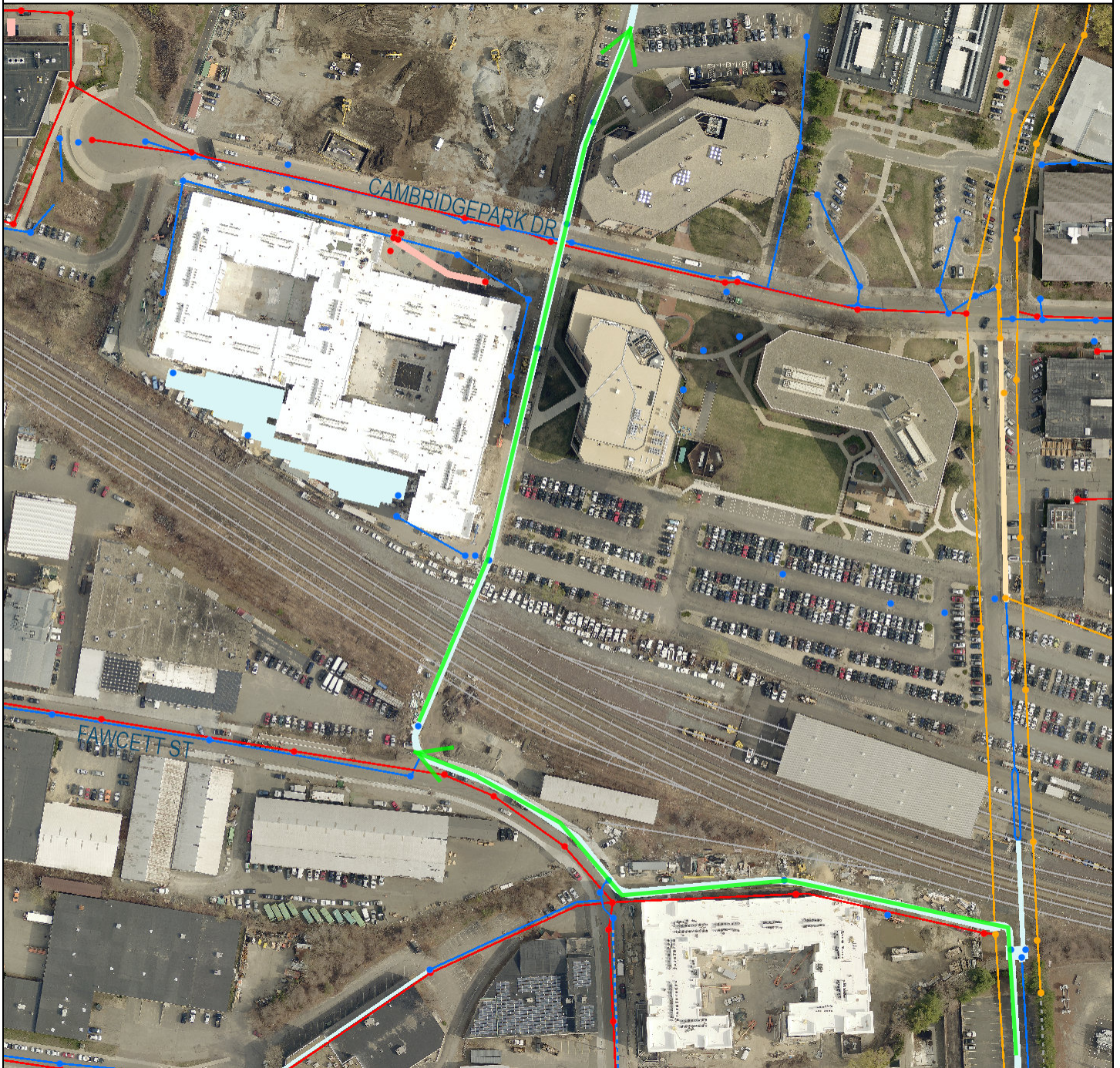


FIGURE 4D - PROPOSED DEWATERING DISCHARGE ROUTE (Part 4 of 6)

City of Cambridge

Cambridge Storm Drain System

June 23, 2016



City of Cambridge
Massachusetts

1" = 192 ft

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- Pumping St
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 - Lift Station
- Lampholes
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 - LampHole, Storm Runoff
- Trench Drains
 -
- Service Laterals
 - Combined Wastewater, In
 - Stormwater
 - Sewage
 - Abandoned
- MWRA Mains
 - Abandoned
 - In Service
- Underground Structures
 - Stormwater
 - Sewage
 - Combined Sewage

 Indicates Storm Drain
Flow Direction

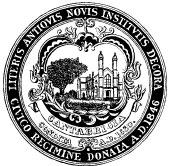
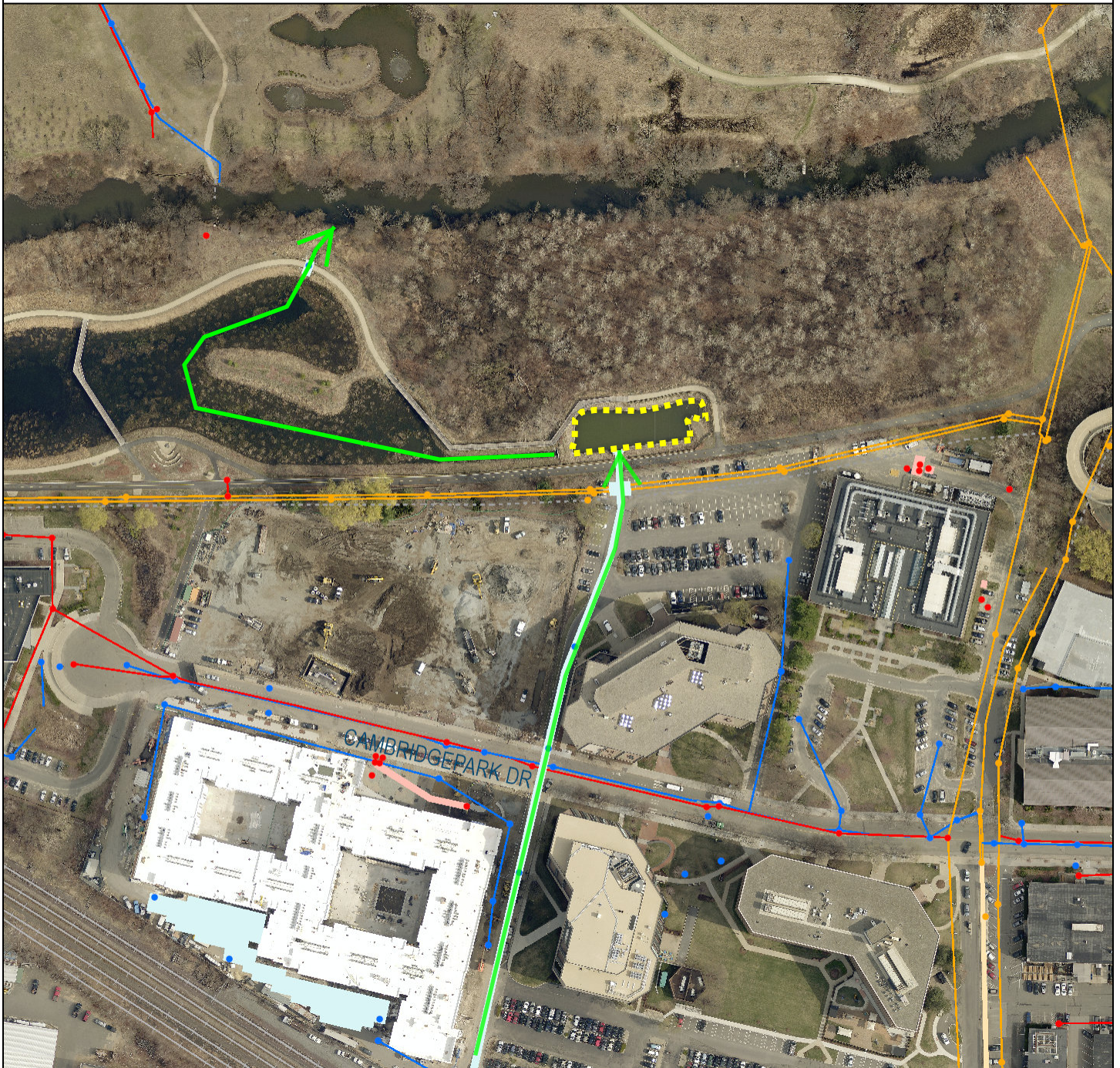


FIGURE 4E - PROPOSED DEWATERING DISCHARGE ROUTE (Part 5 of 6)

City of Cambridge

Cambridge Storm Drain System

June 23, 2016



City of Cambridge
Massachusetts

1" = 192 ft

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 - Pump Station
 - Lift Station
- Lampholes
 - LampHole, Sewage
 - LampHole, Storm Runoff
- Trench Drains
 - Trench Drains
- Service Laterals
 - Combined Wastewater, In
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- MWRA Mains
 - Abandoned
 - In Service
- Underground Structures
 - Stormwater
 - Sewage
 - Combined Sewage

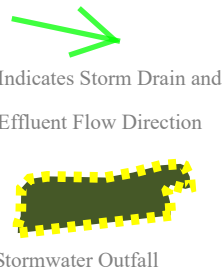


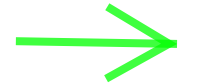
FIGURE 4F - PROPOSED DEWATERING DISCHARGE ROUTE (Part 6 of 6)

City of Cambridge

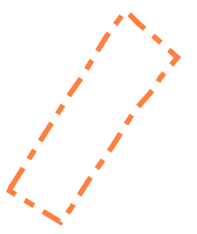
June 16, 2016



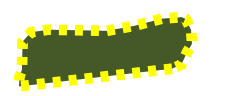
LEGEND



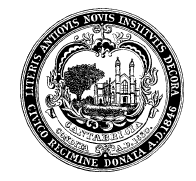
Direction of stormwater flow



Approximate Property Boundary



Stormwater Outfall

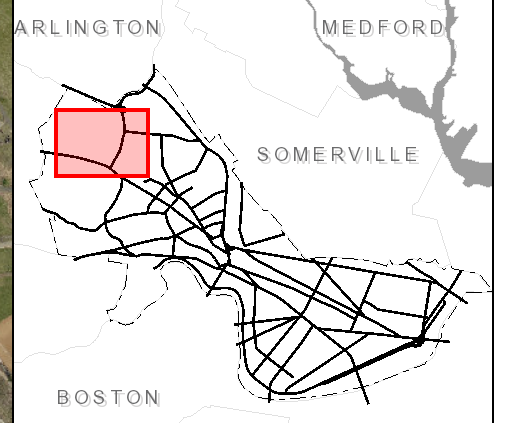


City of Cambridge
Massachusetts

1" = 384 ft

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MassDEP - Bureau of Waste Site Cleanup

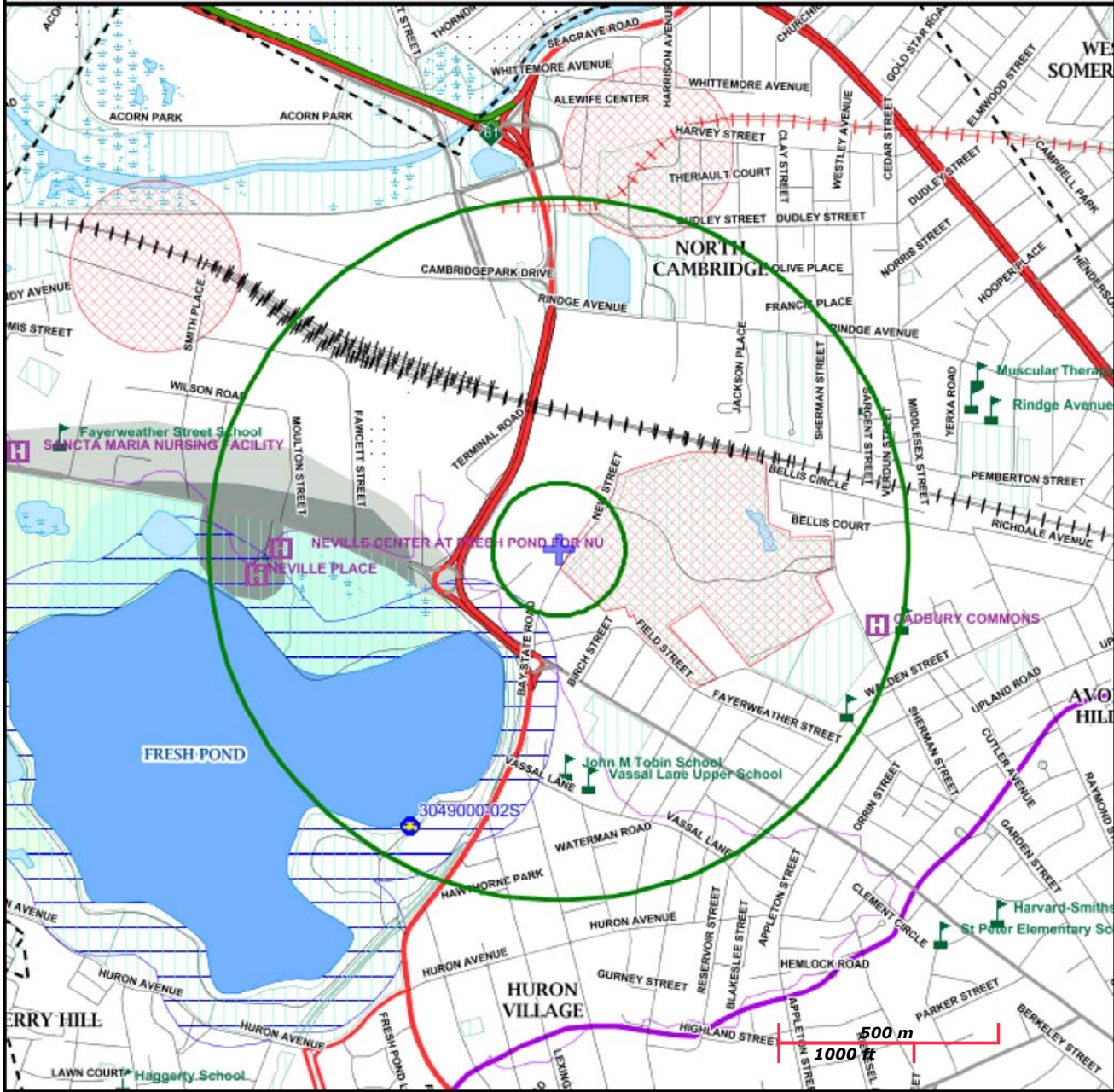
Site Information:
 PARK 77
 75 AND 83 NEW STREET CAMBRIDGE, MA
 3-000032213
NAD83 UTM Meters:
 4695197mN , 323827mE (Zone: 19)
 March 30, 2017

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at:
<http://www.mass.gov/mgis/>.



MassDEP
 Commonwealth of Massachusetts
 Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail	PWS Protection Areas: Zone II, IWPA, Zone A			
Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct	Hydrography: Open Water, PWS Reservoir, Tidal Flat			
Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam	Wetlands: Freshwater, Saltwater, Cranberry Bog			
Aquifers: Medium Yield, High Yield, EPA Sole Source	FEMA 100yr Floodplain; Protected Open Space; ACEC			
Non Potential Drinking Water Source Area: Medium, High (Yield)	Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential			
	Solid Waste Landfill; PWS: Com. GW, SW, Emerg., Non-Com.			



ATTACHMENTS





ATTACHMENT A
NOTICE OF INTENT FOR THE REMEDIATION GENERAL PERMIT



II. Suggested Format for the Remediation General Permit Notice of Intent (NOI)

A. General site information:

1. Name of site: Park 77	Site address: 75 and 83		
	Street: New Street		
City: Cambridge		State: MA	Zip: 02138
2. Site owner Abodez Acorn New Street LLC Owner is (check one): <input type="checkbox"/> Federal <input type="checkbox"/> State/Tribal <input checked="" type="checkbox"/> Private <input type="checkbox"/> Other; if so, specify:	Contact Person: Phil Terzis		
	Telephone: 617-453-9700		Email: pterzis@acornh.com
	Mailing address: 300 Street: Washington Street		
	City: Newton		State: MA
3. Site operator, if different than owner GeolInsight, Inc.	Contact Person: Kevin D. Trainer, L.S.P.		
	Telephone: 978-679-1600		Email: kdtrainer@geoinc.com
	Mailing address: Street: One Monarch Drive, Suite 201		
	City: Littleton		State: MA
4. NPDES permit number assigned by EPA: NA NPDES permit is (check all that apply): <input checked="" type="checkbox"/> RGP <input type="checkbox"/> DGP <input type="checkbox"/> CGP <input type="checkbox"/> MSGP <input type="checkbox"/> Individual NPDES permit <input type="checkbox"/> Other; if so, specify:	5. Other regulatory program(s) that apply to the site (check all that apply): <input checked="" type="checkbox"/> MA Chapter 21e; list RTN(s): 3-32213 <input type="checkbox"/> NH Groundwater Management Permit or Groundwater Release Detection Permit: <input type="checkbox"/> CERCLA <input type="checkbox"/> UIC Program <input type="checkbox"/> POTW Pretreatment <input type="checkbox"/> CWA Section 404		

B. Receiving water information:

1. Name of receiving water(s): Alewife Brook	Waterbody identification of receiving water(s): Segment MA71-04	Classification of receiving water(s): B
Receiving water is (check any that apply): <input type="checkbox"/> Outstanding Resource Water <input type="checkbox"/> Ocean Sanctuary <input type="checkbox"/> territorial sea <input type="checkbox"/> Wild and Scenic River		
2. Has the operator attached a location map in accordance with the instructions in B, above? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are sensitive receptors present near the site? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, specify: Fresh Pond Reservoir, Zone A Public Water Supply Protection Area, and wetlands associated with Fresh Pond and Alewife Brook.		
3. Indicate if the receiving water(s) is listed in the State's Integrated List of Waters (i.e., CWA Section 303(d)). Include which designated uses are impaired, and any pollutants indicated. Also, indicate if a final TMDL is available for any of the indicated pollutants. For more information, contact the appropriate State as noted in Part 4.6 of the RGP. Alewife Brk is 303(d) listed. Impaired designated uses include aquatic life, primary and secondary contact, and aesthetics. TMDLs are not listed.		
4. Indicate the seven day-ten-year low flow (7Q10) of the receiving water determined in accordance with the instructions in Appendix V for sites located in Massachusetts and Appendix VI for sites located in New Hampshire.		0.195 MGD
5. Indicate the requested dilution factor for the calculation of water quality-based effluent limitations (WQBELs) determined in accordance with the instructions in Appendix V for sites in Massachusetts and Appendix VI for sites in New Hampshire.		2.4
6. Has the operator received confirmation from the appropriate State for the 7Q10 and dilution factor indicated? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, indicate date confirmation received:		
7. Has the operator attached a summary of receiving water sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

C. Source water information:

1. Source water(s) is (check any that apply):			
<input checked="" type="checkbox"/> Contaminated groundwater	<input type="checkbox"/> Contaminated surface water	<input type="checkbox"/> The receiving water	<input type="checkbox"/> Potable water; if so, indicate municipality or origin:
Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> A surface water other than the receiving water; if so, indicate waterbody: Wetland of Alewife Brook	<input type="checkbox"/> Other; if so, specify:

2. Source water contaminants: Inorganics, Non-Halogenated SVOCs, and Total Petroleum Hydrocarbons from former landfill/filled area.	
a. For source waters that are contaminated groundwater or contaminated surface water, indicate are any contaminants present that are not included in the RGP? (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, indicate the contaminant(s) and the maximum concentration present in accordance with the instructions in Appendix VIII.	b. For a source water that is a surface water other than the receiving water, potable water or other, indicate any contaminants present at the maximum concentration in accordance with the instructions in Appendix VIII? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Has the source water been previously chlorinated or otherwise contains residual chlorine? (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

D. Discharge information

1.The discharge(s) is a(n) (check any that apply): <input checked="" type="checkbox"/> Existing discharge <input type="checkbox"/> New discharge <input type="checkbox"/> New source	
Outfall(s): Treated water will be discharged to one of three catch basins located along New Street adjacent to the Property. Treated water will travel via municipal storm sewer system before discharging to the storm water outfall adjacent to Alewife Brook (Little River)	Outfall location(s): (Latitude, Longitude) 42.3906067 N 71.14605 W
Discharges enter the receiving water(s) via (check any that apply): <input checked="" type="checkbox"/> Direct discharge to the receiving water <input type="checkbox"/> Indirect discharge, if so, specify: <input type="checkbox"/> A private storm sewer system <input checked="" type="checkbox"/> A municipal storm sewer system If the discharge enters the receiving water via a private or municipal storm sewer system: Has notification been provided to the owner of this system? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Has the operator has received permission from the owner to use such system for discharges? (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, if so, explain, with an estimated timeframe for obtaining permission: Cambridge will review/authorize 1 to 2 weeks following EPA RGP authorization letter Has the operator attached a summary of any additional requirements the owner of this system has specified? (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Provide the expected start and end dates of discharge(s) (month/year): August 2017(start) to June 2018 (end)	
Indicate if the discharge is expected to occur over a duration of: <input checked="" type="checkbox"/> less than 12 months <input type="checkbox"/> 12 months or more <input type="checkbox"/> is an emergency discharge	
Has the operator attached a site plan in accordance with the instructions in D, above? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

2. Activity Category: (check all that apply)	3. Contamination Type Category: (check all that apply)	
<input type="checkbox"/> I – Petroleum-Related Site Remediation <input type="checkbox"/> II – Non-Petroleum-Related Site Remediation <input checked="" type="checkbox"/> III – Contaminated Site Dewatering <input type="checkbox"/> IV – Dewatering of Pipelines and Tanks <input type="checkbox"/> V – Aquifer Pump Testing <input type="checkbox"/> VI – Well Development/Rehabilitation <input type="checkbox"/> VII – Collection Structure Dewatering/Remediation <input type="checkbox"/> VIII – Dredge-Related Dewatering	<p>a. If Activity Category I or II: (check all that apply)</p> <input type="checkbox"/> A. Inorganics <input type="checkbox"/> B. Non-Halogenated Volatile Organic Compounds <input type="checkbox"/> C. Halogenated Volatile Organic Compounds <input type="checkbox"/> D. Non-Halogenated Semi-Volatile Organic Compounds <input type="checkbox"/> E. Halogenated Semi-Volatile Organic Compounds <input type="checkbox"/> F. Fuels Parameters	
	<p>b. If Activity Category III, IV, V, VI, VII or VIII: (check either G or H)</p>	
	<input checked="" type="checkbox"/> G. Sites with Known Contamination	<input type="checkbox"/> H. Sites with Unknown Contamination
	<p>c. If Category III-G, IV-G, V-G, VI-G, VII-G or VIII-G: (check all that apply)</p> <input checked="" type="checkbox"/> A. Inorganics <input checked="" type="checkbox"/> B. Non-Halogenated Volatile Organic Compounds <input type="checkbox"/> C. Halogenated Volatile Organic Compounds <input checked="" type="checkbox"/> D. Non-Halogenated Semi-Volatile Organic Compounds <input checked="" type="checkbox"/> E. Halogenated Semi-Volatile Organic Compounds <input checked="" type="checkbox"/> F. Fuels Parameters	<p>d. If Category III-H, IV-H, V-H, VI-H, VII-H or VIII-H Contamination Type Categories A through F apply</p>

4. Influent and Effluent Characteristics

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
A. Inorganics									
Ammonia		✓	1	SM 4500	0.30	12,000	12,000	Report mg/L	---
Chloride		✓	1	300	10,000	450,000	450,000	Report µg/l	---
Total Residual Chlorine		✓	1	SM4500-C	20	200	200	0.2 mg/L	26 µg/L
Total Suspended Solids		✓	1	SM2540D	12,000	560,000	560,000	30 mg/L	---
Antimony	✓		1	6010A-B	1.0	<1.0	0.0	206 µg/L	1,507 µg/L
Arsenic		✓	1	6010A-B	0.40	2.0	2.0	104 µg/L	22 µg/L
Cadmium	✓		1	6010A-B	0.50	<0.50	0.00	10.2 µg/L	0.5238 µg/L
Chromium III	✓		1	Calculatio	100	<100	0	323 µg/L	178.8 µg/L
Chromium VI	✓		1	3500CrB	4.0	<4.0	0.0	323 µg/L	26.9 µg/L
Copper		✓	1	6010A-B	5.0	11	11	242 µg/L	39.3 µg/L
Iron		✓	1	6010C-D	50	72,000	72,000	5,000 µg/L	1,000 µg/L
Lead		✓	1	6010A-B	1.0	18	18	160 µg/L	17.47 µg/L
Mercury	✓		1	7470A	0.1	<0.1	0.0	0.739 µg/L	2.13 µg/L
Nickel		✓	1	6010A-B	5.0	9.3	9.3	1,450 µg/L	261 µg/L
Selenium	✓		1	6010A-B	5.0	<5.0	0.0	235.8 µg/L	11.8 µg/L
Silver	✓		1	6010A-B	0.50	<0.50	0.00	35.1 µg/L	41.3 µg/L
Zinc		✓	1	6010A-B	10.0	25	25	420 µg/L	570.4 µg/L
Cyanide	✓		1	SM4500C	10	<10	0	178 mg/L	12.2 µg/L
B. Non-Halogenated VOCs									
Total BTEX	✓		1	8260C	6.0	<6.0	0.0	100 µg/L	---
Benzene	✓		1	8260C	1.0	<1.0	0.0	5.0 µg/L	---
1,4 Dioxane	✓		1	8260C	50	<50	0	200 µg/L	---
Acetone	✓		1	8260C	10	<10	0	7.97 mg/L	---
Phenol	✓		1	8270D	10	<10	0	1,080 µg/L	706 µg/L

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
C. Halogenated VOCs									
Carbon Tetrachloride	✓		1	8260C	1.0	<1.0	0.0	4.4 µg/L	3.8 µg/L
1,2 Dichlorobenzene	✓		1	8260C	1.0	<1.0	0.0	600 µg/L	---
1,3 Dichlorobenzene	✓		1	8260C	1.0	<1.0	0.0	320 µg/L	---
1,4 Dichlorobenzene	✓		1	8260C	1.0	<1.0	0.0	5.0 µg/L	---
Total dichlorobenzene	✓		1	8260C	1.0	<1.0	0.0	763 µg/L in NH	---
1,1 Dichloroethane	✓		1	8260C	1.0	<1.0	0.0	70 µg/L	---
1,2 Dichloroethane	✓		1	8260C	1.0	<1.0	0.0	5.0 µg/L	---
1,1 Dichloroethylene	✓		1	8260C	1.0	<1.0	0.0	3.2 µg/L	---
Ethylene Dibromide	✓		1	8260C	0.5	<0.5	0.0	0.05 µg/L	---
Methylene Chloride	✓		1	8260C	5.0	<5.0	5.0	4.6 µg/L	---
1,1,1 Trichloroethane	✓		1	8260C	1.0	<1.0	0.0	200 µg/L	---
1,1,2 Trichloroethane	✓		1	8260C	1.0	<1.0	0.0	5.0 µg/L	---
Trichloroethylene	✓		1	8260C	1.0	<1.0	0.0	5.0 µg/L	---
Tetrachloroethylene	✓		1	8260C	1.0	<1.0	0.0	5.0 µg/L	7.8 µg/L
cis-1,2 Dichloroethylene	✓		1	8260C	1.0	<1.0	0.0	70 µg/L	---
Vinyl Chloride	✓		1	8260C	2.0	<1.0	0.0	2.0 µg/L	---
D. Non-Halogenated SVOCs									
Total Phthalates	✓		1	8270D	10	<10	0.0	190 µg/L	---
Diethylhexyl phthalate	✓		1	8270D	2.0	<2.0	0.0	101 µg/L	5.2 µg/L
Total Group I PAHs		✓	1	8270D	1.0	0.066	0.066	1.0 µg/L	---
Benzo(a)anthracene	✓		1	8270D	0.05	<0.05	0.0	As Total PAHs	0.0089 µg/L
Benzo(a)pyrene	✓		1	8270D	0.10	<0.10	0.0		0.0089 µg/L
Benzo(b)fluoranthene		✓	1	8270D	0.05	0.066	0.066		0.0089 µg/L
Benzo(k)fluoranthene	✓		1	8270D	0.20	<0.20	0.0		0.0089 µg/L
Chrysene	✓		1	8270D	0.20	<0.20	0.0		0.0089 µg/L
Dibenzo(a,h)anthracene	✓		1	8270D	0.20	<0.20	0.0		0.0089 µg/L
Indeno(1,2,3-cd)pyrene	✓		1	8270D	0.20	<0.20	0.0		0.0089 µg/L

E. Treatment system information

<p>1. Indicate the type(s) of treatment that will be applied to effluent prior to discharge: (check all that apply)</p> <p><input type="checkbox"/> Adsorption/Absorption <input type="checkbox"/> Advanced Oxidation Processes <input type="checkbox"/> Air Stripping <input checked="" type="checkbox"/> Granulated Activated Carbon (“GAC”)/Liquid Phase Carbon Adsorption <input type="checkbox"/> Ion Exchange <input type="checkbox"/> Precipitation/Coagulation/Flocculation <input checked="" type="checkbox"/> Separation/Filtration <input type="checkbox"/> Other; if so, specify:</p>	
<p>2. Provide a written description of all treatment system(s) or processes that will be applied to the effluent prior to discharge.</p> <p>The dewatering system consists of pumps to remove the water, a settling tank, and bag filters. Additional treatment will be conducted as necessary to meet the RGP discharge requirements. See attached Figures for schematic of treatment system.</p> <p>Identify each major treatment component (check any that apply):</p> <p><input checked="" type="checkbox"/> Fractionation tanks <input type="checkbox"/> Equalization tank <input type="checkbox"/> Oil/water separator <input type="checkbox"/> Mechanical filter <input type="checkbox"/> Media filter <input type="checkbox"/> Chemical feed tank <input type="checkbox"/> Air stripping unit <input checked="" type="checkbox"/> Bag filter <input type="checkbox"/> Other; if so, specify:</p> <p>Indicate if either of the following will occur (check any that apply):</p> <p><input type="checkbox"/> Chlorination <input type="checkbox"/> De-chlorination</p>	
<p>3. Provide the design flow capacity in gallons per minute (gpm) of the most limiting component. Indicate the most limiting component: Bag Filter Is use of a flow meter feasible? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, if so, provide justification:</p>	
<p>Provide the proposed maximum effluent flow in gpm.</p>	100
<p>Provide the average effluent flow in gpm.</p>	20
<p>If Activity Category IV applies, indicate the estimated total volume of water that will be discharged:</p>	NA
<p>4. Has the operator attached a schematic of flow in accordance with the instructions in E, above? (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	

F. Chemical and additive information

<p>1. Indicate the type(s) of chemical or additive that will be applied to effluent prior to discharge or that may otherwise be present in the discharge(s): (check all that apply)</p> <p><input type="checkbox"/> Algaecides/biocides <input type="checkbox"/> Antifoams <input type="checkbox"/> Coagulants <input type="checkbox"/> Corrosion/scale inhibitors <input type="checkbox"/> Disinfectants <input type="checkbox"/> Flocculants <input type="checkbox"/> Neutralizing agents <input type="checkbox"/> Oxidants <input type="checkbox"/> Oxygen <input type="checkbox"/> scavengers <input type="checkbox"/> pH conditioners <input type="checkbox"/> Bioremedial agents, including microbes <input type="checkbox"/> Chlorine or chemicals containing chlorine <input type="checkbox"/> Other; if so, specify: NA</p>
<p>2. Provide the following information for each chemical/additive, using attachments, if necessary:</p> <p>NA</p> <p>a. Product name, chemical formula, and manufacturer of the chemical/additive;</p> <p>b. Purpose or use of the chemical/additive or remedial agent;</p> <p>c. Material Safety Data Sheet (MSDS) and Chemical Abstracts Service (CAS) Registry number for each chemical/additive;</p> <p>d. The frequency (hourly, daily, etc.), duration (hours, days), quantity (maximum and average), and method of application for the chemical/additive;</p> <p>e. Any material compatibility risks for storage and/or use including the control measures used to minimize such risks; and</p> <p>f. If available, the vendor's reported aquatic toxicity (NOAEL and/or LC50 in percent for aquatic organism(s)).</p>
<p>3. Has the operator attached an explanation which demonstrates that the addition of such chemicals/additives may be authorized under this general permit in accordance with the instructions in F, above? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No; if no, has the operator attached data that demonstrates each of the 126 priority pollutants in CWA Section 307(a) and 40 CFR Part 423.15(j)(1) are non-detect in discharges with the addition of the proposed chemical/additive? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No</p>

G. Endangered Species Act eligibility determination

<p>1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:</p> <p><input checked="" type="checkbox"/> FWS Criterion A: No endangered or threatened species or critical habitat are in proximity to the discharges or related activities or come in contact with the “action area”.</p> <p><input type="checkbox"/> FWS Criterion B: Formal or informal consultation with the FWS under section 7 of the ESA resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by FWS on a finding that the discharges and related activities are “not likely to adversely affect” listed species or critical habitat (informal consultation). Has the operator completed consultation with FWS? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No; if no, is consultation underway? (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> FWS Criterion C: Using the best scientific and commercial data available, the effect of the discharges and related activities on listed species and critical habitat have been evaluated. Based on those evaluations, a determination is made by EPA, or by the operator and affirmed by EPA, that the discharges and related activities will have “no effect” on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the FWS. This determination was made by: (check one) <input type="checkbox"/> the operator <input type="checkbox"/> EPA <input type="checkbox"/> Other; if so, specify:</p>
--

NMFS Criterion: A determination made by EPA is affirmed by the operator that the discharges and related activities will have “no effect” or are “not likely to adversely affect” any federally threatened or endangered listed species or critical habitat under the jurisdiction of NMFS and will not result in any take of listed species. Has the operator previously completed consultation with NMFS? (check one): Yes No

2. Has the operator attached supporting documentation of ESA eligibility in accordance with the instructions in Appendix I, and G, above? (check one): Yes No

Does the supporting documentation include any written concurrence or finding provided by the Services? (check one): Yes No; if yes, attach.

H. National Historic Preservation Act eligibility determination

1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:

- Criterion A:** No historic properties are present. The discharges and discharge-related activities (e.g., BMPs) do not have the potential to cause effects on historic properties.
- Criterion B:** Historic properties are present. Discharges and discharge related activities do not have the potential to cause effects on historic properties.
- Criterion C:** Historic properties are present. The discharges and discharge-related activities have the potential to have an effect or will have an adverse effect on historic properties.

2. Has the operator attached supporting documentation of NHPA eligibility in accordance with the instructions in H, above? (check one): Yes No

Does the supporting documentation include any written agreement with the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (TPHO), or other tribal representative that outlines measures the operator will carry out to mitigate or prevent any adverse effects on historic properties? (check one): Yes No

I. Supplemental information

Describe any supplemental information being provided with the NOI. Include attachments if required or otherwise necessary.

Has the operator attached data, including any laboratory case narrative and chain of custody used to support the application? (check one): Yes No

Has the operator attached the certification requirement for the Best Management Practices Plan (BMPP)? (check one): Yes No

J. Certification requirement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A BMPP meeting the requirements of the Remediation General Permit will be developed and
BMPP certification statement: **implemented upon initiation of discharge.**

Notification provided to the appropriate State, including a copy of this NOI, if required. Check one: Yes No

Notification provided to the municipality in which the discharge is located, including a copy of this NOI, if requested. Check one: Yes No

Notification provided to the owner of a private or municipal storm sewer system, if such system is used for site discharges, including a copy of this NOI, if requested. Check one: Yes No NA
Permission obtained from the owner of a private or municipal storm sewer system, if such system is used for site discharges. If yes, attach additional conditions. If no, attach explanation and timeframe for obtaining permission. Check one: Yes No NA

Notification provided to the owner/operator of the area associated with activities covered by an additional discharge permit(s). Additional discharge permit is (check one): RGP DGP CGP MSGP Individual NPDES permit Check one: Yes No NA
 Other; if so, specify: _____

Signature: 

Date: 6/20/17

Print Name and Title: **Kevin D. Trainer**



ATTACHMENT B
ENDANGERED SPECIES ACT DOCUMENTATION





United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>

In Reply Refer To:

March 31, 2017

Consultation Code: 05E1NE00-2017-SLI-1209

Event Code: 05E1NE00-2017-E-02288

Project Name: PARK 77

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office

70 Commercial Street, Suite 300

Concord, NH 03301-5094

(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2017-SLI-1209
Event Code: 05E1NE00-2017-E-02288
Project Name: PARK 77
Project Type: DEVELOPMENT
Project Description: 75 and 83 New Street, Cambridge, MA
RGP-NOI (2017)

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/42.39675297263463N71.14573230140476W>



Counties: Middlesex, MA

Endangered Species Act Species

There is a total of 0 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

Critical habitats

There are no critical habitats within your project area.

IPaC

U.S. Fish & Wildlife Service

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Project information

NAME

PARK 77

LOCATION

Middlesex County, Massachusetts





DESCRIPTION

75

and 83 New Street, Cambridge, MA RGP-NOI (2017)

Local office

New England Ecological Services Field Office

 (603) 223-2541 (603) 223-010470 Commercial Street, Suite 300
Concord, NH 03301-5094<http://www.fws.gov/newengland>

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the

IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species

¹ are managed by the [Endangered Species Program](#) of the U.S. Fish and Wildlife Service.

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1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.

THERE ARE NO ENDANGERED SPECIES EXPECTED TO OCCUR AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act

¹ and the Bald and Golden Eagle Protection Act².

Any activity that results in the take (to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service

³. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

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1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data <http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The migratory birds species listed below are species of particular conservation concern (e.g. [Birds of Conservation Concern](#)) that may be potentially affected by activities in this location. It is not a list of every bird species you may find in this location, nor a guarantee that all of the bird species on this list will be found on or near this location. Although it is important to try to avoid and minimize impacts to all birds, special attention should be made to avoid and minimize impacts to birds of priority concern. To view available data on other bird species that may occur in your project area, please visit the [AKN Histogram Tools](#) and [Other Bird Data Resources](#). To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

NAME	SEASON(S)
American Bittern <i>Botaurus lentiginosus</i> https://ecos.fws.gov/ecp/species/6582	On Land: Breeding
American Oystercatcher <i>Haematopus palliatus</i> https://ecos.fws.gov/ecp/species/8935	On Land: Breeding
Bald Eagle <i>Haliaeetus leucocephalus</i> https://ecos.fws.gov/ecp/species/1626	On Land: Year-round
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> https://ecos.fws.gov/ecp/species/9399	On Land: Breeding
Blue-winged Warbler <i>Vermivora pinus</i>	On Land: Breeding
Canada Warbler <i>Wilsonia canadensis</i>	On Land: Breeding
Hudsonian Godwit <i>Limosa haemastica</i>	At Sea: Migrating

Least Bittern <i>Ixobrychus exilis</i> https://ecos.fws.gov/ecp/species/6175	On Land: Breeding
Olive-sided Flycatcher <i>Contopus cooperi</i> https://ecos.fws.gov/ecp/species/3914	On Land: Breeding
Peregrine Falcon <i>Falco peregrinus</i> https://ecos.fws.gov/ecp/species/8831	On Land: Breeding
Pied-billed Grebe <i>Podilymbus podiceps</i>	On Land: Breeding
Prairie Warbler <i>Dendroica discolor</i>	On Land: Breeding
Purple Sandpiper <i>Calidris maritima</i>	On Land: Wintering
Seaside Sparrow <i>Ammodramus maritimus</i>	On Land: Breeding
Short-eared Owl <i>Asio flammeus</i> https://ecos.fws.gov/ecp/species/9295	On Land: Wintering
Snowy Egret <i>Egretta thula</i>	On Land: Breeding
Upland Sandpiper <i>Bartramia longicauda</i> https://ecos.fws.gov/ecp/species/9294	On Land: Breeding
Willow Flycatcher <i>Empidonax traillii</i> https://ecos.fws.gov/ecp/species/3482	On Land: Breeding
Wood Thrush <i>Hylocichla mustelina</i>	On Land: Breeding
Worm Eating Warbler <i>Helmitheros vermivorum</i>	On Land: Breeding

What does IPaC use to generate the list of migratory bird species potentially occurring in my specified location?

Landbirds:

Migratory birds that are displayed on the IPaC species list are based on ranges in the latest edition of the National Geographic Guide, Birds of North America (6th Edition, 2011 by Jon L. Dunn, and Jonathan Alderfer). Although these ranges are coarse in nature, a number of U.S. Fish and Wildlife Service migratory bird biologists agree that these maps are some of the best range maps to date. These ranges were clipped to a specific Bird Conservation Region (BCR) or USFWS Region/Regions, if it was indicated in the 2008 list of Birds of Conservation Concern (BCC) that a species was a BCC species only in a particular Region/Regions. Additional modifications have been made to some ranges based on more local or refined range information and/or information provided by U.S. Fish and Wildlife Service biologists with species expertise. All migratory birds that show in areas on land in IPaC are those that appear in the 2008 Birds of Conservation Concern report.

Atlantic Seabirds:

Ranges in IPaC for birds off the Atlantic coast are derived from species distribution models developed by the National Oceanic and Atmospheric Association (NOAA) National Centers for Coastal Ocean Science (NCCOS) using the best available seabird survey data for the offshore Atlantic Coastal region to date. NOAA/NCCOS assisted USFWS in developing seasonal species ranges from their models for specific use in IPaC. Some of these birds are not BCC species but were of interest for inclusion because they may occur in high abundance off the coast at different times throughout the year, which potentially makes them more susceptible to certain types of development and activities taking place in that area. For more refined details about the abundance and richness of bird species within your project area off the Atlantic Coast, see the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other types of taxa that may be helpful in your project review.

About the NOAA/NCCOS models: the models were developed as part of the NOAA/NCCOS project: [Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#). The models resulting from this project are being used in a number of decision-support/mapping products in order to help guide decision-making on activities off the Atlantic Coast with the goal of reducing impacts to migratory birds. One such product is the [Northeast Ocean Data Portal](#), which can be used to explore details about the relative occurrence and abundance of bird species in a particular area off the Atlantic Coast.

All migratory bird range maps within IPaC are continuously being updated as new and better information becomes available.

Can I get additional information about the levels of occurrence in my project area of specific birds or groups of birds listed in IPaC?

Landbirds:

The [Avian Knowledge Network \(AKN\)](#) provides a tool currently called the "Histogram Tool", which draws from the data within the AKN (latest, survey, point count, citizen science datasets) to create a view of relative abundance of species within a particular location over the course of the year. The results of the tool depict the frequency of detection of a species in survey events, averaged between multiple datasets within AKN in a particular week of the year. You may access the histogram tools through the [Migratory Bird Programs AKN Histogram Tools](#) webpage.

The tool is currently available for 4 regions (California, Northeast U.S., Southeast U.S. and Midwest), which encompasses the following 32 states: Alabama, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin.

In the near future, there are plans to expand this tool nationwide within the AKN, and allow the graphs produced to appear with the list of trust resources generated by IPaC, providing you with an additional level of detail about the level of occurrence of the species of particular concern potentially occurring in your project area throughout the course of the year.

Atlantic Seabirds:

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS [Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project](#) webpage.

Facilities

Wildlife refuges

Any activity proposed on [National Wildlife Refuge](#) lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGES AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

[PEM1C](#)

RIVERINE

[R2UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <https://ecos.fws.gov/ipac/wetlands/decoder>

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or

tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Not for
consultation

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN
MASSACHUSETTS**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Barnstable	Piping Plover	Threatened	Coastal Beaches	All Towns
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Chatham
	Sandplain gerardia	Endangered	Open areas with sandy soils.	Sandwich and Falmouth.
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Bourne (north of the Cape Cod Canal)
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Berkshire	Bog Turtle	Threatened	Wetlands	Egremont and Sheffield
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Bristol	Piping Plover	Threatened	Coastal Beaches	Fairhaven, Dartmouth, Westport
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Fairhaven, New Bedford, Dartmouth, Westport
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Taunton
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Dukes	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Piping Plover	Threatened	Coastal Beaches	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Aquinnah and Chilmark
	Sandplain gerardia	Endangered	Open areas with sandy soils.	West Tisbury
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN MASSACHUSETTS**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Essex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Gloucester, Essex and Manchester
	Piping Plover	Threatened	Coastal Beaches	Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague, Warwick
	Dwarf wedgemussel	Endangered	Mill River	Whately
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hampshire	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Hadley
	Puritan tiger beetle	Threatened	Sandy beaches along the Connecticut River	Northampton and Hadley
	Dwarf wedgemussel	Endangered	Rivers and Streams.	Hatfield, Amherst and Northampton
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hampden	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Southwick
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Middlesex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Groton
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Nantucket	Piping Plover	Threatened	Coastal Beaches	Nantucket
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Nantucket
	American burying beetle	Endangered	Upland grassy meadows	Nantucket
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN MASSACHUSETTS**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Plymouth	Piping Plover	Threatened	Coastal Beaches	Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Kingston, Middleborough, Carver, Plymouth, Bourne, Wareham, Halifax, and Pembroke
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Plymouth, Marion, Wareham, and Mattapoisett.
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Suffolk	Piping Plover	Threatened	Coastal Beaches	Revere, Winthrop
	Red Knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal Towns
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Worcester	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Leominster
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

¹Migratory only, scattered along the coast in small numbers

-Eastern cougar and gray wolf are considered extirpated in Massachusetts.

-Endangered gray wolves are not known to be present in Massachusetts, but dispersing individuals from source populations in Canada may occur statewide.

-Critical habitat for the Northern Red-bellied Cooter is present in Plymouth County.

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN NEW HAMPSHIRE**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Belknap	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Meredith, Alton and Laconia
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Carroll	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Albany, Brookfield, Eaton, Effingham, Madison, Ossipee, Wakefield and Wolfeboro
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Coos	Canada Lynx	Threatened	Regenerating softwood forest, usually with a high density of snowshoe hare.	All Towns
	Dwarf wedgemussel	Endangered	Connecticut River main channel and Johns River	Northumberland, Lancaster and Dalton
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Cheshire	Dwarf wedgemussel	Endangered	S. Branch Ashuelot River and Ashuelot River	Swanzy, Keene and Surry
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Grafton	Dwarf wedgemussel	Endangered	Connecticut River main channel	Haverhill, Piermont, Orford and Lyme
	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Holderness
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Hillsborough	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Manchester, Weare
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Merrimack	Karner Blue Butterfly	Endangered	Pine Barrens with wild blue lupine	Concord and Pembroke
	Small whorled Pogonia	Threatened	Forests	Bow, Danbury, Epsom, Loudon, Warner and Allenstown
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

**FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES
IN NEW HAMPSHIRE**

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Rockingham	Piping Plover	Threatened	Coastal Beaches	Hampton and Seabrook
	Roseate Tern	Endangered	Atlantic Ocean and nesting at the Isle of Shoals	
	Red knot ¹	Threatened	Coastal Beaches and Rocky Shores, sand and mud flats	Coastal towns
	Small whorled Pogonia	Threatened	Forests	Deerfield, Northwood, Nottingham, and Epping
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Strafford	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Middleton, New Durham, Milton, Farmington, Strafford, Barrington, and Madbury
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide
Sullivan	Northeastern bulrush	Endangered	Wetlands	Acworth, Charlestown, Langdon
	Dwarf wedgemussel	Endangered	Connecticut River main channel	Plainfield, Cornish, Claremont and Charlestown
	Jesup's milk-vetch	Endangered	Banks of the Connecticut River	Plainfield and Claremont
	Northern Long-eared Bat	Threatened Final 4(d) Rule	Winter- mines and caves, Summer – wide variety of forested habitats	Statewide

¹Migratory only, scattered along the coast in small numbers

-Eastern cougar, gray wolf and Puritan tiger beetle are considered extirpated in New Hampshire.

-Endangered gray wolves are not known to be present in New Hampshire, but dispersing individuals from source populations in Canada may occur statewide.-There is no federally-designated Critical Habitat in New Hampshire

MASSACHUSETTS AREAS OF CRITICAL ENVIRONMENTAL CONCERN

November 2010

Total Approximate Acreage: 268,000 acres

Approximate acreage and designation date follow ACEC names below.

Bourne Back River

(1,850 acres, 1989) Bourne

Canoe River Aquifer and Associated Areas (17,200 acres, 1991) Easton, Foxborough, Mansfield, Norton, Sharon, and Taunton

Cedar Swamp

(1,650 acres, 1975) Hopkinton and Westborough

Central Nashua River Valley

(12,900 acres, 1996) Bolton, Harvard, Lancaster, and Leominster

Cranberry Brook Watershed

(1,050 acres, 1983) Braintree and Holbrook

Ellisville Harbor

(600 acres, 1980) Plymouth

Fowl Meadow and Ponkapoag Bog

(8,350 acres, 1992) Boston, Canton, Dedham, Milton, Norwood, Randolph, Sharon, and Westwood

Golden Hills

(500 acres, 1987) Melrose, Saugus, and Wakefield

Great Marsh (originally designated as Parker River/Essex Bay)

(25,500 acres, 1979) Essex, Gloucester, Ipswich, Newbury, and Rowley

Herring River Watershed

(4,450 acres, 1991) Bourne and Plymouth

Hinsdale Flats Watershed

(14,500 acres, 1992) Dalton, Hinsdale, Peru, and Washington

Hockomock Swamp

(16,950 acres, 1990) Bridgewater, Easton, Norton, Raynham, Taunton, and West Bridgewater

Inner Cape Cod Bay

(2,600 acres, 1985) Brewster, Eastham, and Orleans

Kampoosa Bog Drainage Basin

(1,350 acres, 1995) Lee and Stockbridge

Karner Brook Watershed

(7,000 acres, 1992) Egremont and Mount Washington

Miscoe, Warren, and Whitehall Watersheds

(8,700 acres, 2000) Grafton, Hopkinton, and Upton

Neponset River Estuary

(1,300 acres, 1995) Boston, Milton, and Quincy

Petapawag

(25,680 acres, 2002) Ayer, Dunstable, Groton, Pepperell, and Tyngsborough

Pleasant Bay

(9,240 acres, 1987) Brewster, Chatham, Harwich, and Orleans

Pocasset River

(160 acres, 1980) Bourne

Rumney Marshes

(2,800 acres, 1988) Boston, Lynn, Revere, Saugus, and Winthrop

Sandy Neck Barrier Beach System

(9,130 acres, 1978) Barnstable and Sandwich

Schenob Brook Drainage Basin

(13,750 acres, 1990) Mount Washington and Sheffield

Squannassit

(37,420 acres, 2002) Ashby, Ayer, Groton, Harvard, Lancaster, Lunenburg, Pepperell, Shirley, and Townsend

Three Mile River Watershed

(14,280 acres, 2008) Dighton, Norton, Taunton

Upper Housatonic River

(12,280 acres, 2009) Lee, Lenox, Pittsfield, Washington

Waquoit Bay

(2,580 acres, 1979) Falmouth and Mashpee

Weir River

(950 acres, 1986) Cohasset, Hingham, and Hull

Wellfleet Harbor

(12,480 acres, 1989) Eastham, Truro, and Wellfleet

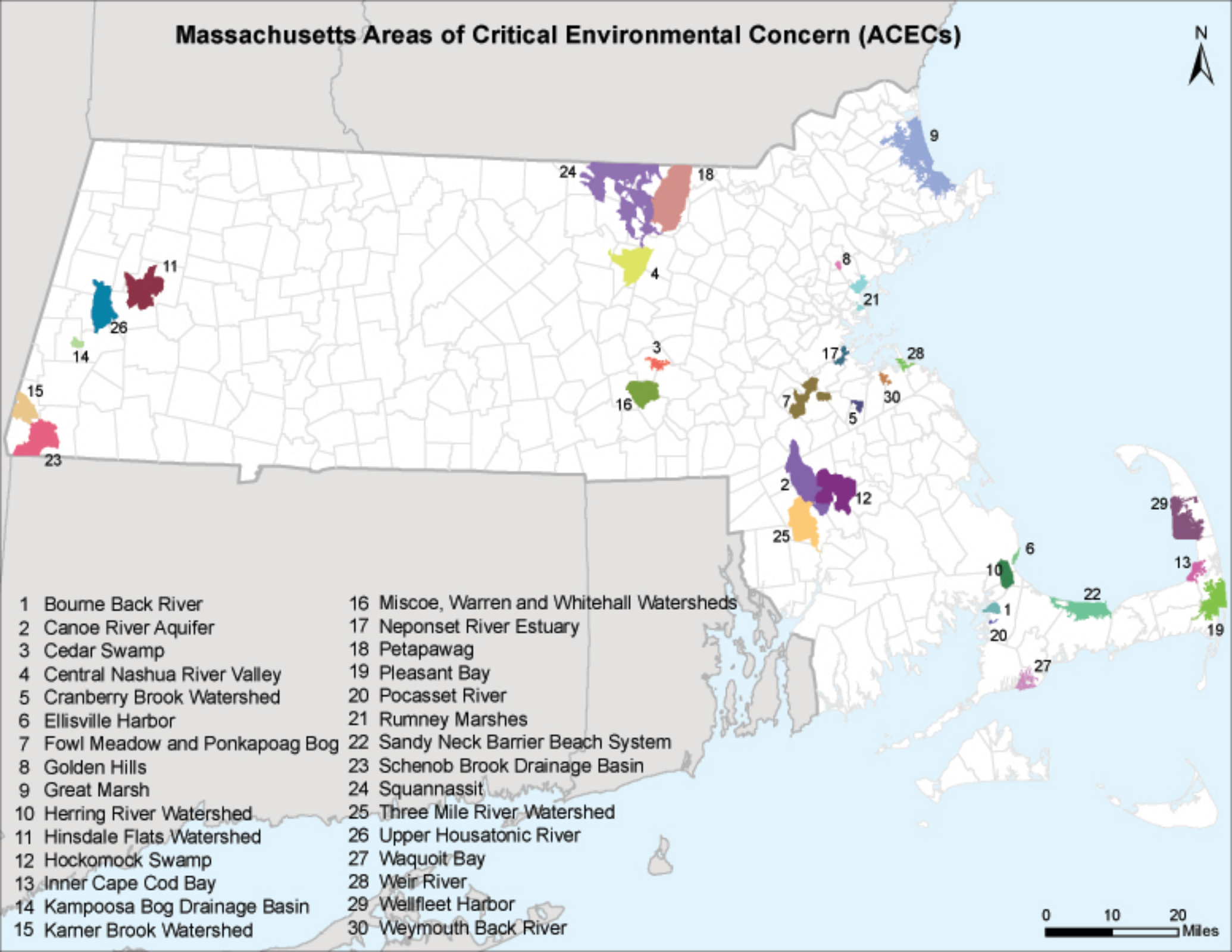
Weymouth Back River

(800 acres, 1982) Hingham and Weymouth

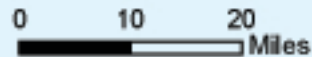
Towns with ACECs within their Boundaries
November 2010

TOWN	ACEC	TOWN	ACEC
Ashby	Squannassit	Mt. Washington	Karner Brook Watershed
Ayer	Petapawag		Schenob Brook
	Squannassit	Newbury	Great Marsh
Barnstable	Sandy Neck Barrier Beach System	Norton	Hockomock Swamp
Bolton	Central Nashua River Valley		Canoe River Aquifer
Boston	Rumney Marshes		Three Mile River Watershed
	Fowl Meadow and Ponkapoag Bog	Norwood	Fowl Meadow and Ponkapoag Bog
	Neponset River Estuary	Orleans	Inner Cape Cod Bay
Bourne	Pocasset River		Pleasant Bay
	Bourne Back River	Pepperell	Petapawag
	Herring River Watershed		Squannassit
Braintree	Cranberry Brook Watershed	Peru	Hinsdale Flats Watershed
Brewster	Pleasant Bay	Pittsfield	Upper Housatonic River
	Inner Cape Cod Bay	Plymouth	Herring River Watershed
Bridgewater	Hockomock Swamp		Ellisville Harbor
Canton	Fowl Meadow and Ponkapoag Bog	Quincy	Neponset River Estuary
Chatham	Pleasant Bay	Randolph	Fowl Meadow and Ponkapoag Bog
Cohasset	Weir River	Raynham	Hockomock Swamp
Dalton	Hinsdale Flats Watershed	Revere	Rumney Marshes
Dedham	Fowl Meadow and Ponkapoag Bog	Rowley	Great Marsh
Dighton	Three Mile River Watershed	Sandwich	Sandy Neck Barrier Beach System
Dunstable	Petapawag	Saugus	Rumney Marshes
Eastham	Inner Cape Cod Bay		Golden Hills
	Wellfleet Harbor	Sharon	Canoe River Aquifer
Easton	Canoe River Aquifer		Fowl Meadow and Ponkapoag Bog
	Hockomock Swamp	Sheffield	Schenob Brook
Egremont	Karner Brook Watershed	Shirley	Squannassit
Essex	Great Marsh	Stockbridge	Kampoosa Bog Drainage Basin
Falmouth	Waquoit Bay	Taunton	Hockomock Swamp
Foxborough	Canoe River Aquifer		Canoe River Aquifer
Gloucester	Great Marsh		Three Mile River Watershed
Grafton	Miscoe-Warren-Whitehall Watersheds	Truro	Wellfleet Harbor
		Townsend	Squannassit
Groton	Petapawag	Tyngsborough	Petapawag
	Squannassit	Upton	Miscoe-Warren-Whitehall Watersheds
Harvard	Central Nashua River Valley		
	Squannassit	Wakefield	Golden Hills
Harwich	Pleasant Bay	Washington	Hinsdale Flats Watershed
Hingham	Weir River		Upper Housatonic River
	Weymouth Back River	Wellfleet	Wellfleet Harbor
Hinsdale	Hinsdale Flats Watershed	W Bridgewater	Hockomock Swamp
Holbrook	Cranberry Brook Watershed	Westborough	Cedar Swamp
Hopkinton	Miscoe-Warren-Whitehall Watersheds	Westwood	Fowl Meadow and Ponkapoag Bog
		Weymouth	Weymouth Back River
	Cedar Swamp	Winthrop	Rumney Marshes
Hull	Weir River		
Ipswich	Great Marsh		
Lancaster	Central Nashua River Valley		
	Squannassit		
Lee	Kampoosa Bog Drainage Basin		
	Upper Housatonic River		
Lenox	Upper Housatonic River		
Leominster	Central Nashua River Valley		
Lunenburg	Squannassit		
Lynn	Rumney Marshes		
Mansfield	Canoe River Aquifer		
Mashpee	Waquoit Bay		
Melrose	Golden Hills		
Milton	Fowl Meadow and Ponkapoag Bog		
	Neponset River Estuary		

Massachusetts Areas of Critical Environmental Concern (ACECs)



- | | |
|---------------------------------|--|
| 1 Bourne Back River | 16 Miscoe, Warren and Whitehall Watersheds |
| 2 Canoe River Aquifer | 17 Neponset River Estuary |
| 3 Cedar Swamp | 18 Petapawag |
| 4 Central Nashua River Valley | 19 Pleasant Bay |
| 5 Cranberry Brook Watershed | 20 Pocasset River |
| 6 Ellisville Harbor | 21 Rumney Marshes |
| 7 Fowl Meadow and Ponkapoag Bog | 22 Sandy Neck Barrier Beach System |
| 8 Golden Hills | 23 Schenob Brook Drainage Basin |
| 9 Great Marsh | 24 Squannassit |
| 10 Herring River Watershed | 25 Three Mile River Watershed |
| 11 Hinsdale Flats Watershed | 26 Upper Housatonic River |
| 12 Hockomock Swamp | 27 Waquoit Bay |
| 13 Inner Cape Cod Bay | 28 Weir River |
| 14 Kamposoa Bog Drainage Basin | 29 Wellfleet Harbor |
| 15 Kerner Brook Watershed | 30 Weymouth Back River |





ATTACHMENT C
NATIONAL HISTORIC PRESERVATION ACT DOCUMENTATION



Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Cambridge; Resource Type(s): Structure, Object, Burial Ground, Building, Area;

Inv. No.	Property Name	Street	Town	Year
CAM.A	Cambridge Common Historic District		Cambridge	
CAM.B	Lockhart, William L. and Company Coffin Factory		Cambridge	
CAM.C	Blake and Knowles Steam Pump Company		Cambridge	
CAM.D	Fort Washington Historic District		Cambridge	
CAM.E	East Cambridge Historic District		Cambridge	
CAM.F	Winter Street Historic District		Cambridge	
CAM.G	Cambridge Multiple Resource Area		Cambridge	
CAM.H	Lechmere Point Corporation Houses		Cambridge	
CAM.I	Sacred Heart Church, Rectory, School and Convent		Cambridge	
CAM.J	Upper Magazine Street Historic District		Cambridge	
CAM.K	Hastings Square Historic District		Cambridge	
CAM.L	Salem - Auburn Streets Historic District		Cambridge	
CAM.M	Inman Square Historic District		Cambridge	
CAM.N	Old Cambridgeport Historic District		Cambridge	
CAM.O	Norfolk Street Historic District		Cambridge	
CAM.P	Massachusetts Institute of Technology		Cambridge	
CAM.Q	Central Square Historic District		Cambridge	
CAM.R	Bigelow Street Historic District		Cambridge	
CAM.S	Garfield Street Historic District		Cambridge	
CAM.T	Harvard Street Historic District		Cambridge	
CAM.U	Kirkland Place Historic District		Cambridge	
CAM.V	Maple Avenue Historic District		Cambridge	
CAM.W	City Hall Historic District		Cambridge	
CAM.X	Shady Hill Historic District		Cambridge	
CAM.Y	Ash Street Historic District		Cambridge	
CAM.Z	Avon Hill Historic District		Cambridge	

Inv. No.	Property Name	Street	Town	Year
CAM.AA	Berkeley Street Historic District		Cambridge	
CAM.AB	Harvard Square Historic District		Cambridge	
CAM.AC	Harvard Houses Historic District		Cambridge	
CAM.AD	Harvard Yard Historic District		Cambridge	
CAM.AE	Old Cambridge Historic District		Cambridge	
CAM.AF	Gray Gardens East and West Historic District		Cambridge	
CAM.AG	Memorial Drive Apartments Historic District		Cambridge	
CAM.AH	Follen Street Historic District		Cambridge	
CAM.AI	Bennink - Douglas Cottages		Cambridge	
CAM.AJ	Charles River Basin Historic District		Cambridge	
CAM.AK	Boston Woven Hose and Rubber Complex		Cambridge	
CAM.AL	Fresh Pond		Cambridge	
CAM.AM	Old Cambridge Historic District		Cambridge	
CAM.AN	Harvard Riverfront		Cambridge	
CAM.AO	East Cambridge		Cambridge	
CAM.AP	Hubbard Park Historic District		Cambridge	
CAM.AQ	Davenport - Allen and Endicott Factory		Cambridge	
CAM.AR	Mount Auburn Cemetery		Cambridge	
CAM.AS	Metropolitan Park System of Greater Boston		Cambridge	
CAM.AT	Elmwood (James Russell Lowell House)		Cambridge	
CAM.AU	Christ Church		Cambridge	
CAM.AV	Blake and Knowles Steam Pump Company		Cambridge	
CAM.AW	Alewife Brook Parkway		Cambridge	
CAM.AX	Fresh Pond Parkway		Cambridge	
CAM.AY	Church of the Blessed Sacrament Catholic Church		Cambridge	
CAM.AZ	Immaculate Conception Roman Catholic Church		Cambridge	
CAM.BA	Immaculate Conception (Lithuanian) Catholic Church		Cambridge	
CAM.BB	Orchard Street Area		Cambridge	
CAM.BC	Central Square Historic District		Cambridge	
CAM.BD	Cambridge Common Historic District		Cambridge	
CAM.BE	Old Harvard Yard		Cambridge	
CAM.BF	Berkeley Street Historic District		Cambridge	
CAM.BG	Harvard Square Historic District		Cambridge	
CAM.BH	Volpe Center		Cambridge	
CAM.1	Wyeth, John House	56 Aberdeen Ave	Cambridge	1841
CAM.1009		24 Agassiz St	Cambridge	1889

Inv. No.	Property Name	Street	Town	Year
CAM.1010	Shaw, Edward L. House	30 Agassiz St	Cambridge	1890
CAM.1011	Sands, M. Winslow House	32 Agassiz St	Cambridge	1891
CAM.1012	Blackman, Horace House	33 Agassiz St	Cambridge	1890
CAM.1353	Standard Plate Glass Company Building	270 Albany St	Cambridge	1920
CAM.902	Alewife Brook Parkway Bridge over B & M Railroad	Alewife Brook Pkwy	Cambridge	1929
CAM.903	Alewife Brook Parkway Bridge over B & M Railroad	Alewife Brook Pkwy	Cambridge	1929
CAM.9012	Alewife Brook Parkway - Northern Segment	Alewife Brook Pkwy	Cambridge	1908
CAM.9013	Alewife Brook Parkway Tree Border	Alewife Brook Pkwy	Cambridge	r 1920
CAM.1372	Immaculate Conception Roman Catholic Church	45 Alewife Brook Pkwy	Cambridge	1929
CAM.1373	Immaculate Conception Catholic Church Rectory	45 Alewife Brook Pkwy	Cambridge	1935
CAM.359		6-24 Allston St	Cambridge	1946
CAM.2	Fay, Isaac House	125 Antrim St	Cambridge	1843
CAM.3	Withey, S. B. House	10 Appian Way	Cambridge	1855
CAM.4	Howe, Lois Lilly House	6 Appleton St	Cambridge	1887
CAM.5	Cook, William House	71 Appleton St	Cambridge	1876
CAM.1016		8-10 Arlington St	Cambridge	1864
CAM.1027	Aldrich, Frank A. House	11 Arlington St	Cambridge	1899
CAM.1017		12-14 Arlington St	Cambridge	1864
CAM.1028	Graustein, Adolph H. House	19 Arlington St	Cambridge	1902
CAM.1018		22 Arlington St	Cambridge	1862
CAM.1019	Fillmore, Wellington House	24 Arlington St	Cambridge	1869
CAM.1347		25 Arlington St	Cambridge	
CAM.1020	Moor, Rev. Clark House	26 Arlington St	Cambridge	1869
CAM.1021	Blackman, Horace P. House	28 Arlington St	Cambridge	1876
CAM.1022		30 Arlington St	Cambridge	1876
CAM.1023	Jameson, Edwin A. L. House	32 Arlington St	Cambridge	1872
CAM.1029	Davis, John House	33 Arlington St	Cambridge	1869
CAM.1024		36 Arlington St	Cambridge	1872
CAM.1030	Kelsey, Albert House	37 Arlington St	Cambridge	1875
CAM.1025	Moor, Rev. Clark Double House	38-40 Arlington St	Cambridge	1874
CAM.1026	Boardman, Charles House	42 Arlington St	Cambridge	1871
CAM.1061	Harvard Catholic Student Center	20 Arrow St	Cambridge	c 1890
CAM.1062	Saint Paul's Church	24 Arrow St	Cambridge	r 1920
CAM.784	Brooks, John House	5 Ash St	Cambridge	1887
CAM.6	Johnson, Philip House	9 Ash St	Cambridge	1942
CAM.785	Ela, Lucia House	13 Ash St	Cambridge	1869

Inv. No.	Property Name	Street	Town	Year
CAM.787	Eliot, T. S. House	16 Ash St	Cambridge	1855
CAM.786	Nowell, Henry House	19 Ash St	Cambridge	1825
CAM.788	Hunnewell, James A. House	6 Ash Street Pl	Cambridge	1848
CAM.522		107 Auburn St	Cambridge	1803
CAM.523		108-110 Auburn St	Cambridge	1803
CAM.524		114 Auburn St	Cambridge	c 1844
CAM.525		119 Auburn St	Cambridge	c 1829
CAM.526		122 Auburn St	Cambridge	c 1840
CAM.527		131 Auburn St	Cambridge	c 1830
CAM.528		134 Auburn St	Cambridge	c 1845
CAM.7	Ellis, Asa House	158 Auburn St	Cambridge	1805
CAM.564	Hotel Eliot	66 Austin St	Cambridge	c 1885
CAM.565	Hotel Austin	70 Austin St	Cambridge	c 1885
CAM.8	Brabrook, Ezra H. House	42-44 Avon St	Cambridge	1849
CAM.352	Blake and Knowles Main Foundry	180 Bent St	Cambridge	c 1895
CAM.1035		1 Berkeley Pl	Cambridge	1892
CAM.1036		2 Berkeley Pl	Cambridge	1892
CAM.1037		3 Berkeley Pl	Cambridge	1892
CAM.1038		4 Berkeley Pl	Cambridge	1910
CAM.1039		5 Berkeley Pl	Cambridge	1900
CAM.1040		6 Berkeley Pl	Cambridge	1914
CAM.1041		7 Berkeley Pl	Cambridge	1913
CAM.1042		8 Berkeley Pl	Cambridge	1931
CAM.1043	Pryor - Brown House	1 Berkeley St	Cambridge	1852
CAM.10	Thayer, Prof. Studio	2 1/2 Berkeley St	Cambridge	1894
CAM.1044	Pryor - Howells House	3 Berkeley St	Cambridge	1856
CAM.1045	Dana, Richard H. House	4 Berkeley St	Cambridge	1851
CAM.1046	Wyeth - Allen House	5-7R Berkeley St	Cambridge	1852
CAM.1047		6 Berkeley St	Cambridge	1853
CAM.1048	Ware, Henry House	8 Berkeley St	Cambridge	1859
CAM.1049	Allyn, John House	11 Berkeley St	Cambridge	1886
CAM.1050		12 Berkeley St	Cambridge	1881
CAM.1051		13 Berkeley St	Cambridge	1898
CAM.1052	Williston, Lyman House	15 Berkeley St	Cambridge	1863
CAM.1053		16 Berkeley St	Cambridge	1905
CAM.1054		17 Berkeley St	Cambridge	1863
CAM.1055		19 Berkeley St	Cambridge	1854
CAM.1056	Newell, William House	20 Berkeley St	Cambridge	1856

Inv. No.	Property Name	Street	Town	Year
CAM.1057		21 Berkeley St	Cambridge	1854
CAM.1058	Fiske, John House	22 Berkeley St	Cambridge	1877
CAM.1059		23 Berkeley St	Cambridge	1854
CAM.1060		24 Berkeley St	Cambridge	1936
CAM.1355	Craft, William House	5 Bigelow St	Cambridge	1869
CAM.1356	Sharry, William J. House	5A Bigelow St	Cambridge	1940
CAM.663	Montague, Charles House	6 Bigelow St	Cambridge	1873
CAM.655	Snow, Simeon House	7 Bigelow St	Cambridge	1869
CAM.1360	Rhodes, Silas Jr. House	8 Bigelow St	Cambridge	1871
CAM.656	Pollard, John Double House	9-11 Bigelow St	Cambridge	1874
CAM.664	Hurd, Theodore House	10-12 Bigelow St	Cambridge	1884
CAM.657	Bird, Henry House	13 Bigelow St	Cambridge	1874
CAM.1361	Pike, Walter House	14 Bigelow St	Cambridge	1888
CAM.658	Davis, Curtis House	15 Bigelow St	Cambridge	1873
CAM.1362	Brazier, Abbie House	16 Bigelow St	Cambridge	1874
CAM.659	Whitely, Hiram House	17 Bigelow St	Cambridge	1873
CAM.1363	Sawyer - Dole House	18 Bigelow St	Cambridge	1876
CAM.1357	Oxford, Charles House	19 Bigelow St	Cambridge	1871
CAM.660	Snow - Twitchell Double House	21-23 Bigelow St	Cambridge	1873
CAM.665	Hyde, Edward House	22 Bigelow St	Cambridge	1870
CAM.1348	Robbins Block	24-46 Bigelow St	Cambridge	1871
CAM.661	Jessop, Joseph House	25 Bigelow St	Cambridge	1872
CAM.1358	Jessop Tenement House	29 Bigelow St	Cambridge	1891
CAM.1359	Whitcomb, Peter Double House	31-33 Bigelow St	Cambridge	1872
CAM.662	Davis, John W. House	35 Bigelow St	Cambridge	1870
CAM.1406	Volpe Center - Shipping and Receiving	182 Binney St	Cambridge	1965
CAM.357	Blake and Knowles Machine Shop #2	195 Binney St	Cambridge	1917
CAM.358	Blake and Knowles Machine Shop #3	199 Binney St	Cambridge	1918
CAM.356	Blake and Knowles Erecting and Assembling Building	201 Binney St	Cambridge	1903
CAM.1388		39 Bishop Allen Dr	Cambridge	
CAM.1397	Hotel Greyburn	77 Bishop Allen Dr	Cambridge	1891
CAM.577	Young Women's Christian Association Building	146 Bishop Allen Dr	Cambridge	c 1954
CAM.1386	Squirrel Brand Company Building	8 Boardman St	Cambridge	1915
CAM.11	Slowey, Patrick House	73 Bolton St	Cambridge	1852
CAM.1063	Bicycle Exchange Building	3-7 Bow St	Cambridge	1901
CAM.1064		9 Bow St	Cambridge	1884
CAM.1065	Farwell - Russell, Thomas Store	12 Bow St	Cambridge	c 1830

Inv. No.	Property Name	Street	Town	Year
CAM.1066	Westmorly Court - Harvard University	15-29 Bow St	Cambridge	c 1898
CAM.12	Harvard Lampoon Building	44 Bow St	Cambridge	1909
CAM.1067	Randolph Hall - Harvard University	47-57 Bow St	Cambridge	1897
CAM.13	Frost, Elizabeth Tenant House	35 Bowdoin St	Cambridge	1812
CAM.926	Anderson, Larz Bridge	Boylston St	Cambridge	1915
CAM.14	Hicks, John House	64 Boylston St	Cambridge	c 1761
CAM.294	Radcliffe College Graduate Center	Brattle St	Cambridge	1955
CAM.918	Longfellow Park	Brattle St	Cambridge	1887
CAM.987	Lowell Park	Brattle St	Cambridge	
CAM.1068	Brattle Building	4 Brattle St	Cambridge	1913
CAM.1069	Atrium Building	9-11 Brattle St	Cambridge	1979
CAM.1071		12-16 Brattle St	Cambridge	1887
CAM.1070	Estes Block	13-15 Brattle St	Cambridge	1875
CAM.1072	Dow Block	17-35 Brattle St	Cambridge	c 1936
CAM.1073		18 Brattle St	Cambridge	1922
CAM.1074		26 Brattle St	Cambridge	1909
CAM.1075	Hadley Building	28-36 Brattle St	Cambridge	1974
CAM.1076	Cambridge Federal Savings Bank	38A Brattle St	Cambridge	1937
CAM.1077		39-41 Brattle St	Cambridge	1925
CAM.15	Brattle Hall	40 Brattle St	Cambridge	1889
CAM.1078		40A Brattle St	Cambridge	c 1925
CAM.16	Brattle, William House	42 Brattle St	Cambridge	c 1727
CAM.1079	Sage Building	43-45 Brattle St	Cambridge	1926
CAM.1080		44 Brattle St	Cambridge	1970
CAM.1081		46R Brattle St	Cambridge	1966
CAM.1082		47-49 Brattle St	Cambridge	c 1926
CAM.1083	Design Research Building	48 Brattle St	Cambridge	1969
CAM.1084	Washington Court	51 Brattle St	Cambridge	1905
CAM.17	Pratt, Dexter House	54 Brattle St	Cambridge	1808
CAM.1229	Warland, John House	69 Brattle St	Cambridge	1838
CAM.1230	Greenleaf, James House	76 Brattle St	Cambridge	1859
CAM.1228	Chamberlin, John House	77 Brattle St	Cambridge	1821
CAM.18	Radcliffe College Alumnae House	79 Brattle St	Cambridge	1836
CAM.19	Wadsworth Chambers	81-83 Brattle St	Cambridge	1908
CAM.20	Burleigh House	85 Brattle St	Cambridge	1847
CAM.21	Stoughton, Mary Fisk House	90 Brattle St	Cambridge	1882
CAM.22		92 Brattle St	Cambridge	1882
CAM.23	Vassall, Henry House	94 Brattle St	Cambridge	1635

Inv. No.	Property Name	Street	Town	Year
CAM.24	Episcopal Divinity School - Washburn Hall	99 Brattle St	Cambridge	1960
CAM.25	Saint John's Chapel	99 Brattle St	Cambridge	1868
CAM.26	Episcopal Divinity School Library - Sherrill Hall	99 Brattle St	Cambridge	1965
CAM.27	Episcopal Divinity School - Wright Hall	99 Brattle St	Cambridge	1911
CAM.28	Episcopal Divinity School - Reed Hall	99 Brattle St	Cambridge	1873
CAM.29	Episcopal Divinity School - Lawrence Hall	99 Brattle St	Cambridge	1873
CAM.30	Episcopal Divinity School - Burnham Hall	99 Brattle St	Cambridge	1879
CAM.31	Hastings, Oliver House	101 Brattle St	Cambridge	1844
CAM.32	Longfellow National Historic Site	105 Brattle St	Cambridge	c 1759
CAM.33	Dana, Edith Longfellow House	113 Brattle St	Cambridge	1887
CAM.34		114 Brattle St	Cambridge	1903
CAM.35	Thorp, Annie Longfellow House	115 Brattle St	Cambridge	1887
CAM.36	Worcester, Joseph House	121 Brattle St	Cambridge	1843
CAM.37		121A Brattle St	Cambridge	1941
CAM.38		123 Brattle St	Cambridge	
CAM.39		124 Brattle St	Cambridge	1915
CAM.40		125 Brattle St	Cambridge	1939
CAM.41		126 Brattle St	Cambridge	1890
CAM.1235		127 Brattle St	Cambridge	1970
CAM.42		128 Brattle St	Cambridge	1892
CAM.43		130-130R Brattle St	Cambridge	1886
CAM.44		132 Brattle St	Cambridge	1886
CAM.45	Falxa, Dr. Martin House	133 Brattle St	Cambridge	1970
CAM.46		134-136 Brattle St	Cambridge	1857
CAM.47		138 Brattle St	Cambridge	1930
CAM.48		140 Brattle St	Cambridge	1930
CAM.49		142 Brattle St	Cambridge	1915
CAM.50	Cambridge Armenian Church	143 Brattle St	Cambridge	1959
CAM.51		144 Brattle St	Cambridge	1915
CAM.52	Brewster, William House	145 Brattle St	Cambridge	1887
CAM.53		146 Brattle St	Cambridge	1939
CAM.54		147 Brattle St	Cambridge	1887
CAM.55		148 Brattle St	Cambridge	1914
CAM.56	Lechmere, Richard House	149 Brattle St	Cambridge	c 1762
CAM.57		150 Brattle St	Cambridge	1908
CAM.58		152 Brattle St	Cambridge	1887
CAM.59	Lee, Thomas House	153 Brattle St	Cambridge	1803
CAM.60		154 Brattle St	Cambridge	r 1865

Inv. No.	Property Name	Street	Town	Year
CAM.1236		155 Brattle St	Cambridge	1889
CAM.61		156 Brattle St	Cambridge	1867
CAM.62		158 Brattle St	Cambridge	1884
CAM.63	Hooper - Lee - Nichols House	159 Brattle St	Cambridge	c 1685
CAM.64		160 Brattle St	Cambridge	1884
CAM.65		164 Brattle St	Cambridge	1868
CAM.1237	Bartlett, John House	165 Brattle St	Cambridge	1873
CAM.66	Van Brunt, Henry House	167 Brattle St	Cambridge	1883
CAM.67		168 Brattle St	Cambridge	1888
CAM.68	Wells, Judge Daniel House	170 Brattle St	Cambridge	1852
CAM.69		174 Brattle St	Cambridge	1885
CAM.70	Marrett - Ruggles - Fayerweather House	175 Brattle St	Cambridge	r 1765
CAM.1238	Fayerweather House Squash Court and Garage	177 Brattle St	Cambridge	1915
CAM.71		180 Brattle St	Cambridge	1888
CAM.72	Richards, R. A. House	182 Brattle St	Cambridge	1895
CAM.73		190 Brattle St	Cambridge	1898
CAM.74	Frankfurter, Justice Felix House	192 Brattle St	Cambridge	1907
CAM.75		193 Brattle St	Cambridge	1893
CAM.76		194 Brattle St	Cambridge	1917
CAM.77		195 Brattle St	Cambridge	1896
CAM.78		198 Brattle St	Cambridge	1912
CAM.79	Stubbins, Hugh House	199 Brattle St	Cambridge	1966
CAM.80		200 Brattle St	Cambridge	1901
CAM.81		202 Brattle St	Cambridge	1903
CAM.82		205 Brattle St	Cambridge	r 1925
CAM.83		209 Brattle St	Cambridge	r 1925
CAM.84		213-215 Brattle St	Cambridge	1896
CAM.85	Frost, Robert House	29-35 Brewster St	Cambridge	1884
CAM.1402	Volpe Center - Auditorium	33 Broadway	Cambridge	c 1965
CAM.86	Cambridge Public Library	449 Broadway	Cambridge	1888
CAM.515		301 Brookline Ave	Cambridge	1869
CAM.516		302 Brookline Ave	Cambridge	1887
CAM.517		308 Brookline Ave	Cambridge	1870
CAM.623	Southwick Block	11-19 Brookline St	Cambridge	1911
CAM.88	Brown, Daniel House	7 Brown St	Cambridge	1845
CAM.89	Hill, Aaron House	17 Brown St	Cambridge	c 1754
CAM.708		1 Bryant St	Cambridge	1911
CAM.709		5 Bryant St	Cambridge	1916

Inv. No.	Property Name	Street	Town	Year
CAM.710		7 Bryant St	Cambridge	1915
CAM.711		20-24 Bryant St	Cambridge	1916
CAM.712		21 Bryant St	Cambridge	1932
CAM.90	Bridgman, Percy House	10 Buckingham Pl	Cambridge	c 1920
CAM.91	Koch, Carl House	4 Buckingham St	Cambridge	1939
CAM.92	Higginson, Col. Thomas Wentworth House	29 Buckingham St	Cambridge	1880
CAM.941	Bridge, John Statue	Cambridge Common	Cambridge	1882
CAM.942	Memorial Gateway	Cambridge Common	Cambridge	1906
CAM.943	Revolutionary War Cannons	Cambridge Common	Cambridge	c 1770
CAM.944	Soldiers Monument	Cambridge Common	Cambridge	1869
CAM.906	Cambridge Parkway Bridge over Broad Canal	Cambridge Pkwy	Cambridge	1957
CAM.931	Cambridge Parkway	Cambridge Pkwy	Cambridge	1900
CAM.97	Memorial Hall	Cambridge St	Cambridge	r 1875
CAM.379	Middlesex County Registry of Deeds Building	Cambridge St	Cambridge	1896
CAM.380	Middlesex County Clerk of Courts Building	Cambridge St	Cambridge	1889
CAM.912	Longfellow Bridge - West Boston Bridge	Cambridge St	Cambridge	c 1907
CAM.914	Lechmere Square Streetcar Station	Cambridge St	Cambridge	1922
CAM.372		82-84 Cambridge St	Cambridge	1937
CAM.373	Davenport, A. H. - Irving and Casson Company	88-134 Cambridge St	Cambridge	1866
CAM.378		160 Cambridge St	Cambridge	1965
CAM.93	East Cambridge Savings Bank	292 Cambridge St	Cambridge	1931
CAM.94	Union Railway Car Barn	613-621 Cambridge St	Cambridge	1869
CAM.535		1353-1369 Cambridge St	Cambridge	1894
CAM.532	Waite Building	1368 Cambridge St	Cambridge	1855
CAM.533	Middlesex Bank Building	1374-1385 Cambridge St	Cambridge	1874
CAM.95		1707-1709 Cambridge St	Cambridge	1845
CAM.96		1715-1717 Cambridge St	Cambridge	1845
CAM.635	Holmes Block II - Green Block	2-14 Central Sq	Cambridge	1798
CAM.636	Home Realty Building	14 Central Sq	Cambridge	1970
CAM.639	Southwick Building I	15-16 Central Sq	Cambridge	1896
CAM.640	Southwick Building II	17-24 Central Sq	Cambridge	c 1860
CAM.641	White Tower Restaurant	25 Central Sq	Cambridge	1932
CAM.98	Melvin, Isaac House	19 Centre St	Cambridge	1842
CAM.99	Boston and Maine Railroad Signal Tower A	Charles River	Cambridge	1931
CAM.911	Charles River Railroad Draw Bridge #1	Charles River	Cambridge	1931
CAM.920	Charles River Dam	Charles River	Cambridge	r 1905
CAM.925	Weeks, John Wingate Foot Bridge	Charles River	Cambridge	1927
CAM.928	Lechmere Canal	Charles River	Cambridge	1909

Inv. No.	Property Name	Street	Town	Year
CAM.929	Broad Canal	Charles River	Cambridge	1805
CAM.932	Charles River Basin Granite Seawall and Iron Fence	Charles River	Cambridge	
CAM.935	Metropolitan District Commission Swimming Pool	Charles River	Cambridge	
CAM.1320	Metropolitan District Commission Chlorination Plant	Charles River	Cambridge	
CAM.1325	M. I. T. - Pierce, Harold Whitworth Boat House	Charles River	Cambridge	1965
CAM.1326	M. I. T. - Wood, Walter C. Sailing Pavilion	Charles River	Cambridge	1976
CAM.1328	Riverside Boat Club	Charles River	Cambridge	r 1910
CAM.543	Boardman, James Double House	Cherry St	Cambridge	1843
CAM.100	Fuller, Margaret House	71 Cherry St	Cambridge	1806
CAM.546		87 Cherry St	Cambridge	c 1845
CAM.545		116-120 Cherry St	Cambridge	c 1845
CAM.544	Eaton, Jacob House	128 Cherry St	Cambridge	c 1844
CAM.542		137-139 Cherry St	Cambridge	c 1840
CAM.537		149-151 Cherry St	Cambridge	c 1830
CAM.538		159-161 Cherry St	Cambridge	c 1830
CAM.547		167 Cherry St	Cambridge	1850
CAM.548		169 Cherry St	Cambridge	1850
CAM.101	Kingsley, Chester House	10 Chester St	Cambridge	1866
CAM.518		105 Chestnut St	Cambridge	1875
CAM.519		111 Chestnut St	Cambridge	1875
CAM.102	First Parish Church, Unitarian	1-3 Church St	Cambridge	1833
CAM.103		23-25 Church St	Cambridge	1936
CAM.1085		26-28 Church St	Cambridge	1857
CAM.104		27-29 Church St	Cambridge	1922
CAM.105	Cambridge Police Station	31-33 Church St	Cambridge	1864
CAM.1086	Oxford Grill	32-42 Church St	Cambridge	1931
CAM.1087	Hancock - Torrey House	53 Church St	Cambridge	1827
CAM.1088		54-56 Church St	Cambridge	1925
CAM.1089		59-63 Church St	Cambridge	1949
CAM.1377	Cambridge Almshouse Caretaker's House	36 Churchill Ave	Cambridge	c 1886
CAM.106	Gale, George House	14-16 Clinton St	Cambridge	c 1853
CAM.1387		41-43 Columbia St	Cambridge	
CAM.107	Beth Israel Synagogue	238 Columbia St	Cambridge	1901
CAM.908	Commercial Avenue Bridge over Lechmere Canal	Commercial Ave	Cambridge	1907
CAM.1318	Metropolitan District Commission Stables	Commercial Ave	Cambridge	
CAM.336		3 Concord Ave	Cambridge	1915

Inv. No.	Property Name	Street	Town	Year
CAM.337		5 Concord Ave	Cambridge	c 1917
CAM.108	Howells, William Dean House	37 Concord Ave	Cambridge	1873
CAM.1365	Cambridge Home for the Aged and Infirm	650 Concord Ave	Cambridge	1928
CAM.111	Holmes, Joseph House	144 Coolidge Hill	Cambridge	1801
CAM.109	Orne, Sarah House	10 Coolidge Hill Rd	Cambridge	1807
CAM.110	Coolidge, Josiah House	24 Coolidge Hill Rd	Cambridge	c 1822
CAM.600	Coolidge, Flavel House	2 Coolidge Pl	Cambridge	1834
CAM.1369	Blessed Sacrament Roman Catholic Parish School	12 Corporal McTernan St	Cambridge	1924
CAM.112	Valentine Soap Workers' Cottage	5-7 Cottage St	Cambridge	1835
CAM.1212	Mather House - Harvard University	Cowperthwaite St	Cambridge	1967
CAM.113	Birkhoff, George D. House	22 Craigie St	Cambridge	r 1870
CAM.114	Ross, Denman House	24-26 Craigie St	Cambridge	1869
CAM.115		25 Craigie St	Cambridge	1856
CAM.116	Horsford, Eben House	27 Craigie St	Cambridge	1854
CAM.333	Day, Anna House	139 Cushing St	Cambridge	1856
CAM.117	Colburn, Sara Foster House	7 Dana St	Cambridge	1841
CAM.118	University Museum	11-25 Divinity Ave	Cambridge	1859
CAM.119	Divinity Hall	12 Divinity Ave	Cambridge	1825
CAM.120	Biological Laboratory	16 Divinity Ave	Cambridge	1930
CAM.121	Second Cambridge Savings Bank Building	11-21 Dunster St	Cambridge	1897
CAM.1090	Union Railway Car barn	25-33 Dunster St	Cambridge	1860
CAM.1091	Second D. U. Club	45 Dunster St	Cambridge	1930
CAM.1092	Metcalf, Eliab Wight House	46 Dunster St	Cambridge	1820
CAM.1093	Edwards, Abraham - Moore, Mary House	53 Dunster St	Cambridge	1841
CAM.1094	Alpha Sigma Phi Club	54 Dunster St	Cambridge	1900
CAM.122	Wyeth, Augustus House	69 Dunster St	Cambridge	1829
CAM.1095		71-77 Dunster St	Cambridge	1894
CAM.123		42 Edward J. Lopez Ave	Cambridge	c 1830
CAM.1096	Hotel Packard	10-14 Eliot St	Cambridge	1869
CAM.1097		14A Eliot St	Cambridge	1900
CAM.1098		16-18 Eliot St	Cambridge	1898
CAM.124	Sands, Ivory House	145 Elm St	Cambridge	1839
CAM.125	Foster, Dr. House	8 Elmwood Ave	Cambridge	1893
CAM.126	Greenough, J. J. House	9 Elmwood Ave	Cambridge	1903
CAM.127	Smyth, Herbert House	11-15 Elmwood Ave	Cambridge	1903
CAM.128	Kempton, John House	14 Elmwood Ave	Cambridge	1895
CAM.129		20 Elmwood Ave	Cambridge	1892

Inv. No.	Property Name	Street	Town	Year
CAM.130	Benson, Ruth House	26 Elmwood Ave	Cambridge	1899
CAM.131	Watson House	30 Elmwood Ave	Cambridge	c 1750
CAM.132	Elmwood - Lowell, James Russell House	33 Elmwood Ave	Cambridge	c 1767
CAM.133	Reardon, Edmund House	195 Erie St	Cambridge	1884
CAM.1371	Blessed Sacrament Roman Catholic Church Convent	203 Erie St	Cambridge	1954
CAM.134	Harvard Graduate Center	10-26 Everett St	Cambridge	1949
CAM.135	Jarvis, The	27 Everett St	Cambridge	1890
CAM.136	Newman, Andrew House	23 Fairmont St	Cambridge	1823
CAM.713		2-4 Farrar St	Cambridge	1927
CAM.714		9 Farrar St	Cambridge	1890
CAM.715		15 Farrar St	Cambridge	1898
CAM.716		16 Farrar St	Cambridge	1931
CAM.717		17 Farrar St	Cambridge	1897
CAM.718		18-20 Farrar St	Cambridge	1923
CAM.719		22 Farrar St	Cambridge	1928
CAM.720		26 Farrar St	Cambridge	1928
CAM.137		10-12 Farwell Pl	Cambridge	r 1870
CAM.138	Nichols House	11 Farwell Pl	Cambridge	1827
CAM.139		14-16 Farwell Pl	Cambridge	c 1855
CAM.140	Read, James House	15 Farwell Pl	Cambridge	c 1772
CAM.141	Child, N. K. House	17 Farwell Pl	Cambridge	1835
CAM.142		18-20 Farwell Pl	Cambridge	c 1855
CAM.143	Christ Church Parish House	19 Farwell Pl	Cambridge	1948
CAM.144	Toppan House	22-24 Farwell Pl	Cambridge	c 1900
CAM.1408	Carey, Agnes Whiteside House	50 Fayerweather St	Cambridge	
CAM.145	Deane, Ezra - Williams, George House	21-23 Fayette St	Cambridge	1848
CAM.146		26-28 Fayette St	Cambridge	1857
CAM.430	Cambridge Public Library - O'Connell Branch	Fifth St	Cambridge	1938
CAM.441		69-71 Fifth St	Cambridge	
CAM.452	Hall, Jesse House	75 Fifth St	Cambridge	1837
CAM.428		82 Fifth St	Cambridge	
CAM.429		83 Fifth St	Cambridge	
CAM.1405	Volpe Center - Center Service Building	259 Fifth St	Cambridge	c 1965
CAM.907	First Street Bridge over Broad Canal	First St	Cambridge	1924
CAM.147	Athenaeum Press Building	215 First St	Cambridge	1895
CAM.910	Fitchburg Railroad Signal Bridge	Fitchburg Railroad	Cambridge	c 1930
CAM.148	Abbot, Edwin House	1 Follen St	Cambridge	1889

Inv. No.	Property Name	Street	Town	Year
CAM.1271		5 Follen St	Cambridge	1853
CAM.1273		6 Follen St	Cambridge	1868
CAM.1338		8 Follen St	Cambridge	1871
CAM.149	Second Waterhouse House	9 Follen St	Cambridge	1844
CAM.150		10 Follen St	Cambridge	1875
CAM.1274		13 Follen St	Cambridge	1900
CAM.151	Richards, Theodore W. House	15 Follen St	Cambridge	1900
CAM.1275		19 Follen St	Cambridge	1844
CAM.1276		20 Follen St	Cambridge	1949
CAM.1277		21 Follen St	Cambridge	1841
CAM.1278		22 Follen St	Cambridge	1951
CAM.1279		25 Follen St	Cambridge	1889
CAM.152	Clover Den - Mann, Mary House	29 Follen St	Cambridge	1837
CAM.1280		34 Follen St	Cambridge	1946
CAM.1281		36 Follen St	Cambridge	1847
CAM.1282		44 Follen St	Cambridge	1862
CAM.338	Puritan Arms	46-50 Follen St	Cambridge	1940
CAM.1331	Homer - Lovell House	11 Forest St	Cambridge	1867
CAM.153	Francis, Ebenezer Houuse	1 Francis Ave	Cambridge	1836
CAM.721		6 Francis Ave	Cambridge	1940
CAM.722		7 Francis Ave	Cambridge	1894
CAM.723		8 Francis Ave	Cambridge	1940
CAM.724		9 Francis Ave	Cambridge	c 1875
CAM.725		10 Francis Ave	Cambridge	1894
CAM.726		11 Francis Ave	Cambridge	1894
CAM.1337		12-14 Francis Ave	Cambridge	1895
CAM.727		16 Francis Ave	Cambridge	1906
CAM.154	Davis, William Morris House	17 Francis Ave	Cambridge	r 1895
CAM.728		18 Francis Ave	Cambridge	1911
CAM.155	Hyatt, Prof. Alpheus - Durant, Prof. Will B. House	19 Francis Ave	Cambridge	1889
CAM.729		21 Francis Ave	Cambridge	1925
CAM.730		22 Francis Ave	Cambridge	1912
CAM.731		23 Francis Ave	Cambridge	1902
CAM.732		24 Francis Ave	Cambridge	1906
CAM.733		30 Francis Ave	Cambridge	1905
CAM.734		32 Francis Ave	Cambridge	1903
CAM.735	Center for the Study of World Religions	42 Francis Ave	Cambridge	1959
CAM.736		44 Francis Ave	Cambridge	1913

Inv. No.	Property Name	Street	Town	Year
CAM.737		53 Francis Ave	Cambridge	1913
CAM.738		56 Francis Ave	Cambridge	1914
CAM.739		57 Francis Ave	Cambridge	1913
CAM.740		59 Francis Ave	Cambridge	1916
CAM.741		60 Francis Ave	Cambridge	1961
CAM.742		63 Francis Ave	Cambridge	1913
CAM.743	Sert, Jose Luis House	64 Francis Ave	Cambridge	1957
CAM.744		65 Francis Ave	Cambridge	1916
CAM.745		67 Francis Ave	Cambridge	1926
CAM.746		68 Francis Ave	Cambridge	1921
CAM.747		70 Francis Ave	Cambridge	1879
CAM.748		73 Francis Ave	Cambridge	1926
CAM.749		75-77 Francis Ave	Cambridge	1925
CAM.1329	Kennedy, F. A. Steam Bakery	129 Franklin St	Cambridge	1875
CAM.919	Fresh Pond Lane over B & M Railroad	Fresh Pond Ln	Cambridge	1926
CAM.9014	Fresh Pond Parkway	Fresh Pond Pkwy	Cambridge	1899
CAM.9015	Fresh Pond Parkway - Concord Avenue Rotary Islands	Fresh Pond Pkwy	Cambridge	1928
CAM.9016	Fresh Pond Parkway - New Street Rotary	Fresh Pond Pkwy	Cambridge	1928
CAM.9017	Fresh Pond Parkway Tree Canopy	Fresh Pond Pkwy	Cambridge	r 1920
CAM.9018	Fresh Pond Parkway Median System	Fresh Pond Pkwy	Cambridge	c 1958
CAM.156	Wyeth - Eliot, Charles House	17 Fresh Pond Pkwy	Cambridge	1838
CAM.157	Frost, Walter House	10 Frost St	Cambridge	1807
CAM.800	Old Burying Ground	Garden St	Cambridge	r 1750
CAM.940	Milestone, 1767	Garden St	Cambridge	1734
CAM.158	Christ Church	0 Garden St	Cambridge	1760
CAM.159	Saunders, William House	1 Garden St	Cambridge	1821
CAM.339		2 Garden St	Cambridge	1835
CAM.340	Howe, Sarah House	3 Garden St	Cambridge	1851
CAM.160	First Church in Cambridge Congregational	11 Garden St	Cambridge	1870
CAM.341		17-19 Garden St	Cambridge	1926
CAM.161	Sears Tower - Harvard Observatory	60 Garden St	Cambridge	1843
CAM.162	Warner House	63 Garden St	Cambridge	1855
CAM.163	Gray, Asa House	88 Garden St	Cambridge	1810
CAM.1240		91 Garden St	Cambridge	1922
CAM.164	Taylor Square Firehouse	113 Garden St	Cambridge	1904
CAM.165	Warren, H. Langford House	6 Garden Terr	Cambridge	1904
CAM.671	Rollins, John House	16 Garfield St	Cambridge	1891

Inv. No.	Property Name	Street	Town	Year
CAM.672	Wood, Edward House	18 Garfield St	Cambridge	1886
CAM.1336	Shepherd, Herbert House	31-33 Garfield St	Cambridge	1886
CAM.673	Farquhar, Robert House	34 Garfield St	Cambridge	1890
CAM.674	Coon, Sarah House	36 Garfield St	Cambridge	1887
CAM.666	Shepherd, Edward House	39 Garfield St	Cambridge	1885
CAM.675	Thayer, Bertha House	44 Garfield St	Cambridge	1888
CAM.667	Estabrook, J. W. House	45 Garfield St	Cambridge	1886
CAM.668	Bartlett, A. S. House	49 Garfield St	Cambridge	1888
CAM.676	Green, Roscoe House	54 Garfield St	Cambridge	1890
CAM.669	Dewey House	55 Garfield St	Cambridge	1889
CAM.677	Worcester, George House	58 Garfield St	Cambridge	1890
CAM.678	Allen, Frank House	64 Garfield St	Cambridge	1891
CAM.670	Sullivan, Cornelius House	67 Garfield St	Cambridge	1889
CAM.679	Farnsworth, Charles House	74 Garfield St	Cambridge	1897
CAM.680	Ball, Elijah House	80 Garfield St	Cambridge	1887
CAM.502	Lechmere Point Corporation Row House	47 Gore St	Cambridge	c 1821
CAM.503	Lechmere Point Corporation Row House	49 Gore St	Cambridge	c 1821
CAM.504	Lechmere Point Corporation Row House	51 Gore St	Cambridge	c 1821
CAM.1407	Carr, M. W. and Company Factory - Building #4	63 Gorham St	Cambridge	r 1920
CAM.1241		1 Gray Gardens East	Cambridge	1925
CAM.1242		2 Gray Gardens East	Cambridge	1930
CAM.1243		3 Gray Gardens East	Cambridge	1923
CAM.1244		8 Gray Gardens East	Cambridge	1923
CAM.1245		9 Gray Gardens East	Cambridge	1922
CAM.1246		11 Gray Gardens East	Cambridge	1924
CAM.1247		12 Gray Gardens East	Cambridge	1922
CAM.1248		13 Gray Gardens East	Cambridge	1925
CAM.1249		16 Gray Gardens East	Cambridge	1922
CAM.1250		17 Gray Gardens East	Cambridge	1958
CAM.1251		19 Gray Gardens East	Cambridge	1927
CAM.1252		22 Gray Gardens East	Cambridge	1962
CAM.1253		25 Gray Gardens East	Cambridge	1926
CAM.1254		26 Gray Gardens East	Cambridge	1922
CAM.1255		27 Gray Gardens East	Cambridge	1923
CAM.1256		30 Gray Gardens East	Cambridge	1928
CAM.1257		31 Gray Gardens East	Cambridge	1924
CAM.1258		37 Gray Gardens East	Cambridge	1923
CAM.1259		3 Gray Gardens West	Cambridge	1923

Inv. No.	Property Name	Street	Town	Year
CAM.1260		4 Gray Gardens West	Cambridge	1922
CAM.1261		11 Gray Gardens West	Cambridge	1923
CAM.1262		14 Gray Gardens West	Cambridge	1924
CAM.1263		15 Gray Gardens West	Cambridge	1929
CAM.1264		16 Gray Gardens West	Cambridge	1925
CAM.167	Hall Tavern	20 Gray Gardens West	Cambridge	r 1800
CAM.1265		24 Gray Gardens West	Cambridge	1928
CAM.166	Frost, David House	26 Gray St	Cambridge	1815
CAM.618		133 Green St	Cambridge	c 1894
CAM.624	Raymond, T. H. Warehouse	175 Green St	Cambridge	1908
CAM.1389		205-207 Green St	Cambridge	
CAM.534	Inman Square Fire Station	Hampshire St	Cambridge	1912
CAM.168	Lamson, Rufus House	72-74 Hampshire St	Cambridge	1854
CAM.1367	Massachusetts Avenue Baptist Church	146 Hampshire St	Cambridge	1902
CAM.169	Opposition House	2-4 Hancock Pl	Cambridge	1807
CAM.170		104-106 Hancock St	Cambridge	1839
CAM.171	Atwood, Ephraim House	110 Hancock St	Cambridge	1839
CAM.536	Fay, Samuel P. P. House	172 Harvard St	Cambridge	1805
CAM.549	Allen Block	177-183 Harvard St	Cambridge	r 1875
CAM.1354	Courtney, Benjamin House	273 Harvard St	Cambridge	1867
CAM.172	Jones, William R. House	307 Harvard St	Cambridge	1865
CAM.173	Vinal, Albert House	325 Harvard St	Cambridge	1853
CAM.681	Melledge, James P. House	335 Harvard St	Cambridge	1850
CAM.684	Warner, Caleb House	336 Harvard St	Cambridge	1858
CAM.682		337 Harvard St	Cambridge	1887
CAM.685	Frothingham, Amos House	338 Harvard St	Cambridge	1859
CAM.686	Goepper, William House	340 Harvard St	Cambridge	1897
CAM.683		341-343 Harvard St	Cambridge	1855
CAM.687	Rindge, Samuel Baker House	342-344 Harvard St	Cambridge	1857
CAM.174	Bradbury, William F. House	369 Harvard St	Cambridge	1877
CAM.175	Hapgood, Richard House	382-392 Harvard St	Cambridge	1889
CAM.176	Ware Hall	383 Harvard St	Cambridge	1893
CAM.1099	Delta Upsilon Club	396 Harvard St	Cambridge	1914
CAM.177	Old Cambridge Baptist Church	398 Harvard St	Cambridge	1867
CAM.193	Austin Hall	Harvard University	Cambridge	1881
CAM.178	Holden Chapel - Harvard University	Harvard Yard	Cambridge	1764
CAM.179	Sever Hall	Harvard Yard	Cambridge	1880
CAM.180	University Hall	Harvard Yard	Cambridge	1812

Inv. No.	Property Name	Street	Town	Year
CAM.181	Harvard Hall - Harvard University	Harvard Yard	Cambridge	1764
CAM.182	Hollis Hall - Harvard University	Harvard Yard	Cambridge	1762
CAM.183	Massachusetts Hall	Harvard Yard	Cambridge	1718
CAM.184	Weld Hall - Harvard University	Harvard Yard	Cambridge	1870
CAM.185	Boylston Hall - Harvard University	Harvard Yard	Cambridge	1857
CAM.186	Holworthy Hall - Harvard University	Harvard Yard	Cambridge	1811
CAM.187	Grays Hall - Harvard University	Harvard Yard	Cambridge	1862
CAM.188	Lehman Hall - Harvard University	Harvard Yard	Cambridge	1924
CAM.189	Matthews House - Harvard University	Harvard Yard	Cambridge	1871
CAM.190	Straus Hall - Harvard University	Harvard Yard	Cambridge	1926
CAM.191	Thayer Hall - Harvard University	Harvard Yard	Cambridge	1869
CAM.192	Wigglesworth Hall - Harvard University	Harvard Yard	Cambridge	1930
CAM.953	Harvard University - 1857 Gate	Harvard Yard	Cambridge	1901
CAM.954	Harvard University - 1870 Gate	Harvard Yard	Cambridge	1901
CAM.955	Harvard University - 1873 Tablet	Harvard Yard	Cambridge	1901
CAM.956	Harvard University - 1874 Gate	Harvard Yard	Cambridge	1901
CAM.957	Harvard University - 1875 Gate	Harvard Yard	Cambridge	1901
CAM.958	Harvard University - 1881 Gate	Harvard Yard	Cambridge	1906
CAM.959	Harvard University - 1885 Gate	Harvard Yard	Cambridge	1904
CAM.960	Harvard University - 1886 Gate	Harvard Yard	Cambridge	1901
CAM.961	Harvard University - 1887 Gate	Harvard Yard	Cambridge	1906
CAM.962	Harvard University - 1888 Gate	Harvard Yard	Cambridge	1906
CAM.963	Harvard University - 1889 Gate	Harvard Yard	Cambridge	1901
CAM.964	Harvard University - 1890 Gate	Harvard Yard	Cambridge	1901
CAM.965	Harvard University - 1880 Gate	Harvard Yard	Cambridge	1902
CAM.966	Harvard University - Bradley Fountain	Harvard Yard	Cambridge	1910
CAM.967	Harvard University - Chinese Steel	Harvard Yard	Cambridge	r 1810
CAM.968	Harvard University - Delivery Gate	Harvard Yard	Cambridge	1948
CAM.969	Harvard University - Driveway Gate	Harvard Yard	Cambridge	1948
CAM.970	Harvard University - 1908 Gate	Harvard Yard	Cambridge	1936
CAM.971	Harvard University - Emerson Gate	Harvard Yard	Cambridge	1936
CAM.972	Harvard University - Fire Station Gate	Harvard Yard	Cambridge	1970
CAM.973	Harvard University - Hollis Pump	Harvard Yard	Cambridge	1936
CAM.974	Harvard University - 1876 Gate	Harvard Yard	Cambridge	1901
CAM.975	Harvard University - Harvard, John Statue	Harvard Yard	Cambridge	1884
CAM.976	Harvard University - Johnston Gate	Harvard Yard	Cambridge	1889
CAM.977	Harvard University - Lamont Gate	Harvard Yard	Cambridge	1948
CAM.978	Harvard University - Gatehouse	Harvard Yard	Cambridge	1983

Inv. No.	Property Name	Street	Town	Year
CAM.979	Harvard University - 1879 Gate	Harvard Yard	Cambridge	1891
CAM.980	Harvard University - Onion	Harvard Yard	Cambridge	1965
CAM.981	Harvard University - Porcellian Gate	Harvard Yard	Cambridge	1901
CAM.982	Harvard University - Reclining Figure	Harvard Yard	Cambridge	1972
CAM.983	Harvard University - Robinson Gate	Harvard Yard	Cambridge	1936
CAM.984	Harvard University - 1870 Sundial	Harvard Yard	Cambridge	1901
CAM.985	Harvard University - 1877 Gate	Harvard Yard	Cambridge	1901
CAM.1214	Harvard University - Canada Hall	Harvard Yard	Cambridge	1973
CAM.1215	Harvard University - Emerson Hall	Harvard Yard	Cambridge	1904
CAM.1216	Harvard University - Houghton Library	Harvard Yard	Cambridge	1941
CAM.1217	Harvard University - Lamont Library	Harvard Yard	Cambridge	1947
CAM.1218	Harvard University - Lionel Hall	Harvard Yard	Cambridge	1924
CAM.1219	Harvard University - Memorial Church	Harvard Yard	Cambridge	1931
CAM.1220	Harvard University - Mower Hall	Harvard Yard	Cambridge	1924
CAM.1221	Brooks, Phillips House - Harvard University	Harvard Yard	Cambridge	1898
CAM.1222	Harvard University - Pusey Library	Harvard Yard	Cambridge	1973
CAM.1223	Harvard University - Robinson Hall	Harvard Yard	Cambridge	1900
CAM.1224	Harvard University - Stoughton Hall	Harvard Yard	Cambridge	1804
CAM.1227	Harvard University - Widener Library	Harvard Yard	Cambridge	1913
CAM.520		6 Hastings Sq	Cambridge	1884
CAM.1231	Bates, Jacob H. House	11 Hawthorn St	Cambridge	1813
CAM.194	Daly, Reginald A. House	23 Hawthorn St	Cambridge	c 1885
CAM.195	Wadsworth House	31 Hawthorn St	Cambridge	r 1935
CAM.196		35 Hawthorn St	Cambridge	r 1935
CAM.197	Glaser, Dorothy Merriless House	37 Hawthorn St	Cambridge	1937
CAM.198		41 Hawthorn St	Cambridge	1911
CAM.199	Maynardier, G. B. House	43 Hawthorn St	Cambridge	1900
CAM.1232		49 Hawthorn St	Cambridge	1900
CAM.521		75 Henry St	Cambridge	1892
CAM.1343		82-84 Henry St	Cambridge	
CAM.200	Noyes, J. A. House	1 Highland St	Cambridge	1894
CAM.796	Usher, Samuel House	11 Hillside Ave	Cambridge	1887
CAM.750		11 Holden St	Cambridge	1928
CAM.751		41 Holden St	Cambridge	1840
CAM.752		45 Holden St	Cambridge	1928
CAM.1383	Chadwick, Samuel E. House	10 Hollis St	Cambridge	1853
CAM.1100	Fly Club	2 Holyoke Pl	Cambridge	c 1899
CAM.1101		9 Holyoke Pl	Cambridge	c 1930

Inv. No.	Property Name	Street	Town	Year
CAM.1197	Lowell House - Harvard University	10 Holyoke Pl	Cambridge	1929
CAM.1198	Indoor Athletic Building - Harvard University	35-41 Holyoke Pl	Cambridge	1929
CAM.1102		8-10 Holyoke St	Cambridge	1927
CAM.201	Hasty Pudding Club	12 Holyoke St	Cambridge	1887
CAM.1103	Apley Court	16 Holyoke St	Cambridge	1897
CAM.1104	Sawyer, Samuel F. House	20 Holyoke St	Cambridge	1818
CAM.1105		22 Holyoke St	Cambridge	1956
CAM.1106		24 Holyoke St	Cambridge	1963
CAM.1107	Owl Club	30 Holyoke St	Cambridge	1905
CAM.1302		2 Hubbard Pk	Cambridge	1909
CAM.1293		3 Hubbard Pk	Cambridge	1887
CAM.1306	Warren, John L. House	5 Hubbard Pk	Cambridge	1922
CAM.1305	Paine, George House	6 Hubbard Pk	Cambridge	c 1918
CAM.1295		8 Hubbard Pk	Cambridge	1888
CAM.1301	Nutting, Lillian House	12 Hubbard Pk	Cambridge	1908
CAM.1297		14 Hubbard Pk	Cambridge	1892
CAM.1304		15 Hubbard Pk	Cambridge	1914
CAM.1303	Beach, Revel W. House	19 Hubbard Pk	Cambridge	1913
CAM.1298		20 Hubbard Pk	Cambridge	1892
CAM.1299		26 Hubbard Pk	Cambridge	1894
CAM.1296		32 Hubbard Pk	Cambridge	1890
CAM.1346		15 Humboldt St	Cambridge	
CAM.904	Huron Avenue Bridge over B & M Railroad	Huron Ave	Cambridge	1892
CAM.202	Syrian Orthodox Catholic Church of Saint Mary	8 Inman St	Cambridge	1822
CAM.576	Matthews Apartments	12 Inman St	Cambridge	1966
CAM.1364	Bennett, James House	17 Inman St	Cambridge	1871
CAM.1349	Luke Rowhouse	19 Inman St	Cambridge	1877
CAM.1350	Luke Rowhouse	21 Inman St	Cambridge	1877
CAM.1351	Luke Rowhouse	21 1/2 Inman St	Cambridge	1877
CAM.203		102-104 Inman St	Cambridge	1845
CAM.204		106-108 Inman St	Cambridge	1845
CAM.205		110-112 Inman St	Cambridge	1845
CAM.753		80-82 Irving St	Cambridge	1927
CAM.754		81 Irving St	Cambridge	1916
CAM.755		84-86 Irving St	Cambridge	1927
CAM.756		89 Irving St	Cambridge	1916
CAM.206	James, William House	95 Irving St	Cambridge	1889
CAM.757		99 Irving St	Cambridge	1889

Inv. No.	Property Name	Street	Town	Year
CAM.758		103-103A Irving St	Cambridge	1889
CAM.207	cummings, e. e. House	104 Irving St	Cambridge	1893
CAM.759	Van Dael - DeSola Pool House	105 Irving St	Cambridge	1890
CAM.760		107 Irving St	Cambridge	1891
CAM.761		109 Irving St	Cambridge	1893
CAM.762	Davis, Robert House	110 Irving St	Cambridge	1889
CAM.763		114 Irving St	Cambridge	1911
CAM.764		133 Irving St	Cambridge	1963
CAM.765	American Academy of Arts and Sciences	136 Irving St	Cambridge	1980
CAM.766		138 Irving St	Cambridge	1912
CAM.297	Radcliffe College - Schlesinger Library	James St	Cambridge	1907
CAM.950	Winthrop Square Park	Kennedy St	Cambridge	1631
CAM.1108	Abbott Building	5 Kennedy St	Cambridge	1908
CAM.1109		9-25 Kennedy St	Cambridge	1887
CAM.1110	Farwell, Levi Tenant House	10-14 Kennedy St	Cambridge	c 1820
CAM.1111	Read Block	18-28 Kennedy St	Cambridge	1885
CAM.1112		29-41 Kennedy St	Cambridge	1971
CAM.1113		30 Kennedy St	Cambridge	1936
CAM.1114	Garage, The	34-42 Kennedy St	Cambridge	1924
CAM.1115	Fox Club	44 Kennedy St	Cambridge	1906
CAM.1116	Drayton Hall	48 Kennedy St	Cambridge	1901
CAM.1117		50 Kennedy St	Cambridge	1892
CAM.1118		52-54 Kennedy St	Cambridge	1884
CAM.1119	Galeria	55-57 Kennedy St	Cambridge	1974
CAM.1120		56 Kennedy St	Cambridge	1903
CAM.1121	S. A. E. Club	60 Kennedy St	Cambridge	1929
CAM.1122		63-65 Kennedy St	Cambridge	1984
CAM.1200	Hicks, John House - Harvard University	64 Kennedy St	Cambridge	1762
CAM.1199	Smith Hall - Harvard University	70-78 Kennedy St	Cambridge	1913
CAM.208	Loring, Judge Edward - Peirce, Benjamin House	4 Kirkland Pl	Cambridge	1856
CAM.688	Merrill, John House	9 Kirkland Pl	Cambridge	1855
CAM.689	Shaw, Southworth House	10 Kirkland Pl	Cambridge	1856
CAM.690	Green, Louise House	11 Kirkland Pl	Cambridge	1921
CAM.691	Cutler, Isaac House	12 Kirkland Pl	Cambridge	1857
CAM.692	Cutler, George House	13 Kirkland Pl	Cambridge	1857
CAM.693	Ware House	14 Kirkland Pl	Cambridge	1839
CAM.209	Treadwell - Sparks House	21 Kirkland St	Cambridge	1838
CAM.210	Brooks, Luther House	34 Kirkland St	Cambridge	1840

Inv. No.	Property Name	Street	Town	Year
CAM.211	Lovering, Joseph House	38 Kirkland St	Cambridge	1839
CAM.767		49 Kirkland St	Cambridge	1886
CAM.768		55 Kirkland St	Cambridge	1927
CAM.769		57-59 Kirkland St	Cambridge	1927
CAM.212	Eliot, Charles W. House	61 Kirkland St	Cambridge	1858
CAM.213	Child, Francis J. House	67 Kirkland St	Cambridge	1861
CAM.9019	Brown-Rhone, Jill Park	Lafayette Sq	Cambridge	2007
CAM.214	Fresh Pond Hotel	234 Lakeview Ave	Cambridge	1796
CAM.1013		13 Lancaster St	Cambridge	c 1880
CAM.1005		16 Lancaster St	Cambridge	1892
CAM.1006		18 Lancaster St	Cambridge	1885
CAM.1007		24 Lancaster St	Cambridge	1883
CAM.1014	Sawyer, Chester House	27 Lancaster St	Cambridge	1886
CAM.1015	Hovey, William B. House	29 Lancaster St	Cambridge	1887
CAM.1008		36 Lancaster St	Cambridge	1886
CAM.215	Yerxa House and Carriage House	37 Lancaster St	Cambridge	1887
CAM.216	Larches, The	22 Larch Rd	Cambridge	c 1808
CAM.1317	Metropolitan District Commission Boat House	Lechmere Canal	Cambridge	1910
CAM.217		15-17 Lee St	Cambridge	1856
CAM.218	Lowell, The	33 Lexington Ave	Cambridge	1900
CAM.1123		5-7 Linden St	Cambridge	c 1867
CAM.1124	Harvard Square Squash Court	8-10 Linden St	Cambridge	1908
CAM.1125	Delphic Club	9 Linden St	Cambridge	1902
CAM.219	Apthorp, Rev. East House	10 Linden St	Cambridge	c 1760
CAM.220	Cooper - Frost - Austin House	21 Linnaean St	Cambridge	1681
CAM.221	Peabody Court Apartments	41-43 Linnaean St	Cambridge	1922
CAM.1234	Cambridge Friends Meetinghouse and Center	5 Longfellow Pk	Cambridge	1914
CAM.1233		6 Longfellow Pk	Cambridge	1901
CAM.222	Lowell School	25 Lowell St	Cambridge	1883
CAM.1319	Magazine Beach Bath House	Magazine Beach	Cambridge	1899
CAM.223	First Baptist Church, Cambridge	5 Magazine St	Cambridge	1881
CAM.637	Church Corners Apartments	8-12 Magazine St	Cambridge	1985
CAM.510	Pilgrim Congregational Church	35 Magazine St	Cambridge	1871
CAM.511	Hinman, Joseph House	48 Magazine St	Cambridge	1875
CAM.512	Brewer, Isaac D. - Pulsifer, William Double House	50-52 Magazine St	Cambridge	1852
CAM.513	Grace Methodist Church	56 Magazine St	Cambridge	1886
CAM.224	Flentje, Ernst House	129 Magazine St	Cambridge	1866

Inv. No.	Property Name	Street	Town	Year
CAM.991	Shell Sign	187 Magazine St	Cambridge	1933
CAM.87	Kendall Square Subway Station	Main St	Cambridge	1912
CAM.225	Kendall Square Substation	Main St	Cambridge	1911
CAM.1308	Davenport - Allen and Endicott Factory Headhouse	Main St	Cambridge	1882
CAM.1309	Davenport - Allen and Endicott Factory East Wing	Main St	Cambridge	1848
CAM.1335	Luke Building	135-145 Main St	Cambridge	1874
CAM.1384	Engine House No. 7	350 Main St	Cambridge	c 1895
CAM.328	Union #2 Engine House	787-789 Main St	Cambridge	1852
CAM.609	Bright Building	853 Main St	Cambridge	1898
CAM.608	Wentworth Building	859-863 Main St	Cambridge	1897
CAM.610	Union Baptist Church	872 Main St	Cambridge	1882
CAM.607	Mellen Building	875 Main St	Cambridge	1897
CAM.606	Andelman, Ezra Building	877-881 Main St	Cambridge	1941
CAM.611	Sawyer, Charles Tenement	882-884 Main St	Cambridge	c 1873
CAM.605	Whitney, Lucretia and Henry Building	893-907 Main St	Cambridge	1870
CAM.703		6 Maple Ave	Cambridge	
CAM.694	Stevens, Charles B. House	8 Maple Ave	Cambridge	1873
CAM.704		12 Maple Ave	Cambridge	
CAM.705		14-16 Maple Ave	Cambridge	
CAM.702		15 Maple Ave	Cambridge	
CAM.701		19 Maple Ave	Cambridge	
CAM.697	Webster, Francis B. House	20 Maple Ave	Cambridge	1861
CAM.695	Hall, Lewis House	23 Maple Ave	Cambridge	1867
CAM.706		24 Maple Ave	Cambridge	
CAM.700		25 Maple Ave	Cambridge	r 1920
CAM.707		26 Maple Ave	Cambridge	
CAM.699		27 Maple Ave	Cambridge	
CAM.698		29 Maple Ave	Cambridge	
CAM.696	Munroe, Philip House	31 Maple Ave	Cambridge	1887
CAM.226	Mason, Josiah Jr. House	11 Market St	Cambridge	1831
CAM.295	Radcliffe College Gymnasium	Mason St	Cambridge	1898
CAM.296	Radcliffe College - Agassiz House	Mason St	Cambridge	1904
CAM.227	Norton House Ell	4 Mason St	Cambridge	1847
CAM.228		6-12 Mason St	Cambridge	
CAM.260	M. I. T. Alumni Swimming Pool Building	Massachusetts Ave	Cambridge	1940
CAM.261	Kresge Auditorium	Massachusetts Ave	Cambridge	1953

Inv. No.	Property Name	Street	Town	Year
CAM.262	M. I. T. Chapel	Massachusetts Ave	Cambridge	1954
CAM.901	Harvard Square Subway Kiosk	Massachusetts Ave	Cambridge	1928
CAM.905	Massachusetts Avenue Bridge over Conrail	Massachusetts Ave	Cambridge	1900
CAM.916	Central Square Subway Station	Massachusetts Ave	Cambridge	1912
CAM.921	Harvard Bridge	Massachusetts Ave	Cambridge	r 1890
CAM.938	Cambridge Common	Massachusetts Ave	Cambridge	1631
CAM.939	Cambridge Common South Traffic Island	Massachusetts Ave	Cambridge	1976
CAM.945	Burying Ground Fence	Massachusetts Ave	Cambridge	1891
CAM.946	Flagstaff Park	Massachusetts Ave	Cambridge	1913
CAM.947	North Little Common	Massachusetts Ave	Cambridge	c 1858
CAM.949	Central Square Street Pattern	Massachusetts Ave	Cambridge	c 1630
CAM.334	Cambridge Armory	120 Massachusetts Ave	Cambridge	1902
CAM.332	Metropolitan Storage Warehouse	134 Massachusetts Ave	Cambridge	1895
CAM.1366	New England Confectionery Company Factory	250 Massachusetts Ave	Cambridge	1927
CAM.612	Lamson, The	351-355 Massachusetts Ave	Cambridge	1907
CAM.614	Lafayette Square Fire Station	378 Massachusetts Ave	Cambridge	1893
CAM.613	Shell Gas Station	385 Massachusetts Ave	Cambridge	1948
CAM.615	Salvation Army - Cambridge Citadel	400-402 Massachusetts Ave	Cambridge	1968
CAM.604		401-409 Massachusetts Ave	Cambridge	1966
CAM.603	Taylor, William A. House and Shop	411-413 Massachusetts Ave	Cambridge	1887
CAM.602	Barkin and Gorfinkle Building	415-429 Massachusetts Ave	Cambridge	1925
CAM.616	Kennedy, Frank A. Store	424 Massachusetts Ave	Cambridge	1896
CAM.617	Kutz, Issac Store	428 Massachusetts Ave	Cambridge	c 1910
CAM.229	Kennedy, The	430-442 Massachusetts Ave	Cambridge	1890
CAM.601	Robbins Building	433-447 Massachusetts Ave	Cambridge	1923
CAM.619	Blanchard Building	448-450 Massachusetts Ave	Cambridge	c 1886
CAM.324	South Row	452-458 Massachusetts Ave	Cambridge	1807
CAM.1393	Dana Row - South Row	452-458 Massachusetts Ave	Cambridge	2003
CAM.599	Rogers, F. W. and G. M. Building	453-457 Massachusetts Ave	Cambridge	1885
CAM.620	Freedman Building	460-464 Massachusetts Ave	Cambridge	1933
CAM.598	McDonald's Restaurant	463-467 Massachusetts Ave	Cambridge	1974
CAM.621	Central Square Realty Trust Building	468-480 Massachusetts Ave	Cambridge	1929
CAM.597	Moller's Furniture Store	485 Massachusetts Ave	Cambridge	1926
CAM.622	Longfellow, The	492-498 Massachusetts Ave	Cambridge	1893
CAM.596	Kane's Furniture Store	493-507 Massachusetts Ave	Cambridge	1916
CAM.625	Burger King Restaraunt	506 Massachusetts Ave	Cambridge	1970
CAM.1394	Hovey, Phineas Building	512-514 Massachusetts Ave	Cambridge	1842
CAM.595	Central Trust Building	515-527 Massachusetts Ave	Cambridge	1927

Inv. No.	Property Name	Street	Town	Year
CAM.627	Miller Store	520 Massachusetts Ave	Cambridge	1924
CAM.628	Rosenwald Realty Corporation Building	522-526 Massachusetts Ave	Cambridge	1928
CAM.230	Odd Fellows Hall	536 Massachusetts Ave	Cambridge	1884
CAM.629	Clark - Lamb Building	546-550 Massachusetts Ave	Cambridge	c 1873
CAM.630	Albani Building	552-566 Massachusetts Ave	Cambridge	1925
CAM.592	Bullock, Charles Building	567-569 Massachusetts Ave	Cambridge	1859
CAM.591	Central Square Theater	571-577 Massachusetts Ave	Cambridge	1917
CAM.631	Ginsberg Building - Harvard Bazar	572-590 Massachusetts Ave	Cambridge	1913
CAM.590	Morse, Asa P. Building	579-587 Massachusetts Ave	Cambridge	1893
CAM.589	Cambridgeport National Bank Building	593-597 Massachusetts Ave	Cambridge	1869
CAM.632	Manhattan Market - Purity Supreme Super Market	596-610 Massachusetts Ave	Cambridge	1899
CAM.588	Morse, Asa Second Building	599-601 Massachusetts Ave	Cambridge	1905
CAM.587	Fisk and Coleman Building	603-605 Massachusetts Ave	Cambridge	1892
CAM.633	Prospect House	614-620 Massachusetts Ave	Cambridge	1869
CAM.586	Corcoran, John H. Building	615-627 Massachusetts Ave	Cambridge	1927
CAM.634	Holmes Block I	624-638 Massachusetts Ave	Cambridge	1915
CAM.1395	New Holmes Block	624-638 Massachusetts Ave	Cambridge	1998
CAM.585	Woolworth, F. W. Building	633-641 Massachusetts Ave	Cambridge	1950
CAM.584	Watriss Building	643-649 Massachusetts Ave	Cambridge	1880
CAM.583	Dowse, Thomas House	653-655 Massachusetts Ave	Cambridge	1814
CAM.581	New England Gas and Electric Association II Bldg	671-675 Massachusetts Ave	Cambridge	1966
CAM.642	Central Square Building	674 Massachusetts Ave	Cambridge	1926
CAM.643	Chamberlain - Hyde Building	684-688 Massachusetts Ave	Cambridge	1869
CAM.580	Cambridgeport Savings Bank	689 Massachusetts Ave	Cambridge	1904
CAM.644	Dana Building	692-698 Massachusetts Ave	Cambridge	1872
CAM.645	Southwick Building	700-706 Massachusetts Ave	Cambridge	1908
CAM.646	Norris Building	710-720 Massachusetts Ave	Cambridge	1916
CAM.579	Cambridge Electric Light Building	719 Massachusetts Ave	Cambridge	1912
CAM.647	Thayer Building I	722-724 Massachusetts Ave	Cambridge	1863
CAM.648	Thayer Building II	728-730 Massachusetts Ave	Cambridge	1868
CAM.578	Southwick Building	731-751 Massachusetts Ave	Cambridge	1896
CAM.649	Dobbins and Draper Store	736-750 Massachusetts Ave	Cambridge	1922
CAM.650	Dobbins and Draper Store	736-750 Massachusetts Ave	Cambridge	1922
CAM.231	Cambridge Mutual Fire Insurance Company Building	763 Massachusetts Ave	Cambridge	1888
CAM.232	Central Square Post Office	770 Massachusetts Ave	Cambridge	1933
CAM.233	Cambridge City Hall	795 Massachusetts Ave	Cambridge	1889

Inv. No.	Property Name	Street	Town	Year
CAM.651	Cambridge Senior Center	800-806 Massachusetts Ave	Cambridge	1925
CAM.652	Young Men's Christian Association Building	820-830 Massachusetts Ave	Cambridge	1896
CAM.1396	Brusch Medical Center	825-831 Massachusetts Ave	Cambridge	1951
CAM.653	Saint Peter's Episcopal Church	834 Massachusetts Ave	Cambridge	1867
CAM.654	Modern Manor Apartments	842-864 Massachusetts Ave	Cambridge	1925
CAM.900	Houghton Beech Tree	1000 Massachusetts Ave	Cambridge	
CAM.1127	Brentford Hall	1137 Massachusetts Ave	Cambridge	1899
CAM.1128	Dunham, Israel Houses	1156-1166 Massachusetts Ave	Cambridge	1858
CAM.1129		1168 Massachusetts Ave	Cambridge	c 1892
CAM.1130		1170-1174 Massachusetts Ave	Cambridge	c 1849
CAM.1131	Longfellow Court	1200 Massachusetts Ave	Cambridge	1916
CAM.1132	Gulf Gas Station	1201 Massachusetts Ave	Cambridge	1940
CAM.1133		1206 Massachusetts Ave	Cambridge	1965
CAM.1134		1208-1210 Massachusetts Ave	Cambridge	1842
CAM.1135	Quincy Hall	1218 Massachusetts Ave	Cambridge	1891
CAM.1136		1230 Massachusetts Ave	Cambridge	1907
CAM.1137		1234-1238 Massachusetts Ave	Cambridge	c 1894
CAM.1138	Hamden Hall	1246-1260 Massachusetts Ave	Cambridge	1902
CAM.1139	A. D. Club	1268-1270 Massachusetts Ave	Cambridge	1899
CAM.1140	Niles Building	1280 Massachusetts Ave	Cambridge	1984
CAM.234	Fairfax, The	1300-1306 Massachusetts Ave	Cambridge	1869
CAM.1141	Fairfax - Hilton Block	1310-1312 Massachusetts Ave	Cambridge	1883
CAM.1142	Fairfax - Hilton Block	1316 Massachusetts Ave	Cambridge	1885
CAM.235	Porcellian Club	1320-1324 Massachusetts Ave	Cambridge	1890
CAM.1143	Manter Hall	1325 Massachusetts Ave	Cambridge	1885
CAM.236	Wadsworth House	1341 Massachusetts Ave	Cambridge	1726
CAM.237	Holyoke Center	1350 Massachusetts Ave	Cambridge	1961
CAM.1144	Cambridge Savings Bank	1372-1376 Massachusetts Ave	Cambridge	1923
CAM.1145	Read, Joseph Stacey House	1380-1382 Massachusetts Ave	Cambridge	c 1783
CAM.1146	Bartlett, Joseph House	1384-1392 Massachusetts Ave	Cambridge	c 1800
CAM.1147	Harvard Coop Society	1400 Massachusetts Ave	Cambridge	1924
CAM.1148	Harvard Coop Society	1408-1410 Massachusetts Ave	Cambridge	1956
CAM.1149	Harvard Trust Company	1414 Massachusetts Ave	Cambridge	1923
CAM.1150	College House	1420-1442 Massachusetts Ave	Cambridge	1832
CAM.342	Gannett House	1511 Massachusetts Ave	Cambridge	1838
CAM.343	Hemenway Gymnasium	1517 Massachusetts Ave	Cambridge	1938
CAM.344	Hastings Hall	1519 Massachusetts Ave	Cambridge	1888
CAM.345	Harvard Epworth Methodist Church	1555 Massachusetts Ave	Cambridge	1891

Inv. No.	Property Name	Street	Town	Year
CAM.1334	Francis - Allyn House	1564 Massachusetts Ave	Cambridge	1831
CAM.1333	Sawin - Cobb - Wilson House	1626 Massachusetts Ave	Cambridge	1868
CAM.238	Saunders, Charles Hicks House	1627 Massachusetts Ave	Cambridge	1862
CAM.239	Montrose, The	1648 Massachusetts Ave	Cambridge	1898
CAM.240	Dunvegan, The	1654 Massachusetts Ave	Cambridge	1898
CAM.241	Worcester, Frederick House	1734 Massachusetts Ave	Cambridge	1886
CAM.242	North Avenue Congregational Church	1803 Massachusetts Ave	Cambridge	1845
CAM.243	Lovell Block	1853 Massachusetts Ave	Cambridge	1882
CAM.1385	Cambridge Masonic Temple	1950 Massachusetts Ave	Cambridge	1910
CAM.244	Saint James Episcopal Church	1991 Massachusetts Ave	Cambridge	1888
CAM.245	Henderson Carriage Repository	2067-2089 Massachusetts Ave	Cambridge	1892
CAM.246	Cornerstone Baptist Church	2114 Massachusetts Ave	Cambridge	1854
CAM.247	Mead, Alpheus House	2200 Massachusetts Ave	Cambridge	1867
CAM.248	Snow, Daniel House	2210 Massachusetts Ave	Cambridge	1868
CAM.249	McLean, Isaac House	2218 Massachusetts Ave	Cambridge	1894
CAM.250	Farwell, R. H. Double House	2222-2224 Massachusetts Ave	Cambridge	1891
CAM.251	Saint John's Roman Catholic Church	2270 Massachusetts Ave	Cambridge	1904
CAM.1390		2557 Massachusetts Ave	Cambridge	
CAM.1376	Matignon Central Catholic High School	1 Matignon Rd	Cambridge	1946
CAM.1375	Immaculate Conception Catholic Church Convent	33 Matignon Rd	Cambridge	1954
CAM.252	Cambridge Almshouse	45 Matignon Rd	Cambridge	1850
CAM.1374	Cambridge Almshouse Dormitory	45 Matignon Rd	Cambridge	c 1887
CAM.566	M. I. T. - Pierce, Henry L. Engineering Laboratory	Memorial Dr	Cambridge	1913
CAM.567	M. I. T. - Buildings #2 and #8	Memorial Dr	Cambridge	1913
CAM.568	M. I. T. - Pratt School of Naval Architecture	Memorial Dr	Cambridge	1919
CAM.569	M. I. T. - Homburg Infirmary	Memorial Dr	Cambridge	1927
CAM.570	M. I. T. - Eastman, George Research Laboratories	Memorial Dr	Cambridge	1931
CAM.571	M. I. T. - Rogers, William Barton Building	Memorial Dr	Cambridge	1937
CAM.572	M. I. T. - Walker Memorial	Memorial Dr	Cambridge	1913
CAM.573	M. I. T. - President's House	Memorial Dr	Cambridge	1913
CAM.574	M. I. T. - Senior House	Memorial Dr	Cambridge	1913
CAM.575	M. I. T. - Hayden Library	Memorial Dr	Cambridge	1949
CAM.930	Memorial Drive	Memorial Dr	Cambridge	1896
CAM.933	M. I. T. Memorial Underpass	Memorial Dr	Cambridge	1931
CAM.934	Reid, William J. Overpass	Memorial Dr	Cambridge	1939
CAM.1332	Little, Arthur D. Inc. Building	Memorial Dr	Cambridge	1917

Inv. No.	Property Name	Street	Town	Year
CAM.1398	Lever Brothers Company Administration Building	50 Memorial Dr	Cambridge	1938
CAM.253		100 Memorial Dr	Cambridge	1950
CAM.254	M. I. T. Main Courtyard	182-226 Memorial Dr	Cambridge	1913
CAM.255	Riverbank Court Hotel	305 Memorial Dr	Cambridge	1900
CAM.256	Baker House	362 Memorial Dr	Cambridge	1947
CAM.1327	Boston University Boat House	619 Memorial Dr	Cambridge	1913
CAM.257	B & B Chemical Company	780 Memorial Dr	Cambridge	1937
CAM.258	Peabody Terrace	900 Memorial Dr	Cambridge	1958
CAM.1201	Dunster House - Harvard University	945 Memorial Dr	Cambridge	1929
CAM.1202	Gore Hall - Harvard University	960 Memorial Dr	Cambridge	1913
CAM.1203	Standish Hall - Harvard University	966 Memorial Dr	Cambridge	1913
CAM.1204	Eliot House - Harvard University	967 Memorial Dr	Cambridge	1930
CAM.1324	Harvard University - Weld Boat House	971 Memorial Dr	Cambridge	1906
CAM.259	Conventual Church of Saint Mary and Saint John	980 Memorial Dr	Cambridge	1936
CAM.1267	Radnor Hall	983-984 Memorial Dr	Cambridge	1916
CAM.1268	Hampstead Hall	985-986 Memorial Dr	Cambridge	1916
CAM.1269	Barrington Court	987-989 Memorial Dr	Cambridge	1924
CAM.1270	Strathcona-on-the-Charles	992-993 Memorial Dr	Cambridge	1914
CAM.1300		2 Mercer Cir	Cambridge	1894
CAM.1287		3 Mercer Cir	Cambridge	1885
CAM.1288		4 Mercer Cir	Cambridge	1885
CAM.1294		5 Mercer Cir	Cambridge	1887
CAM.1291		6 Mercer Cir	Cambridge	1886
CAM.1307	Harris, William F. House	7 Mercer Cir	Cambridge	1922
CAM.1289		8 Mercer Cir	Cambridge	1885
CAM.1292		9 Mercer Cir	Cambridge	1886
CAM.1151		11-15 Mifflin Pl	Cambridge	1901
CAM.1152		12-14 Mifflin Pl	Cambridge	1913
CAM.1153		17-19 Mifflin Pl	Cambridge	1972
CAM.1205	McKinlock Hall - Harvard University	8 Mill St	Cambridge	1926
CAM.1206	Leverett House Library and Towers - Harvard Univ.	14-18 Mill St	Cambridge	1958
CAM.263	Cambridge Neighborhood House	79 Moore St	Cambridge	c 1821
CAM.264	Reversible Collar Company Building	25-27 Mount Auburn St	Cambridge	1860
CAM.1154	Saint Paul's Rectory	32-36 Mount Auburn St	Cambridge	1924
CAM.1155	Speakers Club	43-45 Mount Auburn St	Cambridge	1845
CAM.1156		45 1/2 Mount Auburn St	Cambridge	1971
CAM.1157		47-49 Mount Auburn St	Cambridge	1926

Inv. No.	Property Name	Street	Town	Year
CAM.1158	Claverly Hall	63 Mount Auburn St	Cambridge	1892
CAM.1159		65R Mount Auburn St	Cambridge	1957
CAM.1160	Ridgely Hall	65 Mount Auburn St	Cambridge	1904
CAM.1161	Manter Hall School	71-77 Mount Auburn St	Cambridge	1927
CAM.1162	Phoenix - S. K. Club	72 Mount Auburn St	Cambridge	1915
CAM.1163	Iroquois Club	74 Mount Auburn St	Cambridge	1916
CAM.1164	Spee Club	76 Mount Auburn St	Cambridge	1931
CAM.1165	Willard, Lucy House	78 Mount Auburn St	Cambridge	1839
CAM.1166		90 Mount Auburn St	Cambridge	1971
CAM.1167		92-96 Mount Auburn St	Cambridge	1895
CAM.1168		95-97 Mount Auburn St	Cambridge	1920
CAM.1169		99 Mount Auburn St	Cambridge	c 1919
CAM.1170	Cantabrigia Club	100 Mount Auburn St	Cambridge	c 1919
CAM.1171		102 Mount Auburn St	Cambridge	1869
CAM.1172		104 Mount Auburn St	Cambridge	1983
CAM.1173		110 Mount Auburn St	Cambridge	1959
CAM.9	Boston Elevated Railway Division 7 Headquarters	112 Mount Auburn St	Cambridge	c 1911
CAM.1175	Trinity Hall	114-120 Mount Auburn St	Cambridge	1892
CAM.1177	Waverly Hall	115 Mount Auburn St	Cambridge	1902
CAM.1178		119-123 Mount Auburn St	Cambridge	1988
CAM.1176		120R Mount Auburn St	Cambridge	1982
CAM.1126	U. S. Post Office - Cambridge Branch	125 Mount Auburn St	Cambridge	1953
CAM.791		151 Mount Auburn St	Cambridge	1853
CAM.792		153 Mount Auburn St	Cambridge	1874
CAM.789		154 Mount Auburn St	Cambridge	1852
CAM.790		156-158 Mount Auburn St	Cambridge	1856
CAM.265		173 Mount Auburn St	Cambridge	r 1905
CAM.266		175 Mount Auburn St	Cambridge	r 1895
CAM.267		259 Mount Auburn St	Cambridge	c 1850
CAM.268	Mount Auburn Hospital - Surgical Building	330 Mount Auburn St	Cambridge	1897
CAM.269	Mount Auburn Hospital - Main Building	330 Mount Auburn St	Cambridge	1886
CAM.801	Mount Auburn Cemetery	580 Mount Auburn St	Cambridge	1831
CAM.936	Mount Auburn Cemetery Fence and Gates	580 Mount Auburn St	Cambridge	1843
CAM.992	Mount Auburn Cemetery - Copenhagen, Maria Angel	580 Mount Auburn St	Cambridge	1872
CAM.270	Mount Auburn Cemetery Reception House	583 Mount Auburn St	Cambridge	1870
CAM.1330	DeRosay - McNamee House	50 Mount Vernon St	Cambridge	1896

Inv. No.	Property Name	Street	Town	Year
CAM.557		1-2 Norfolk Pl	Cambridge	1844
CAM.558		3 Norfolk Pl	Cambridge	1846
CAM.593	Powers, Hannah - Ginsberg, Harris Building	7-15 Norfolk St	Cambridge	c 1894
CAM.562	Hotel Norfolk	30 Norfolk St	Cambridge	1886
CAM.560		51 Norfolk St	Cambridge	c 1885
CAM.561		59 Norfolk St	Cambridge	1886
CAM.554		65-67 Norfolk St	Cambridge	1844
CAM.559	Pollard, John House	68-72 Norfolk St	Cambridge	1859
CAM.552		69 Norfolk St	Cambridge	1843
CAM.555		71-73 Norfolk St	Cambridge	1844
CAM.556		75-77 Norfolk St	Cambridge	1844
CAM.551	Fuller, Robert House	79 Norfolk St	Cambridge	1843
CAM.553		87 Norfolk St	Cambridge	1843
CAM.563	Hotel Franklin	90 Norfolk St	Cambridge	1886
CAM.1392	Saint Mary of the Annunciation Catholic Church	134 Norfolk St	Cambridge	r 1865
CAM.550		1-2 Norfolk Terr	Cambridge	1839
CAM.913	East Cambridge Viaduct - Lechmere Viaduct	O'Brien Hwy	Cambridge	1910
CAM.9020	Boston and Lowell Railroad Retaining Wall	O'Brien Hwy	Cambridge	c 1857
CAM.349	Lockhart, William L. Coffin Factory Warehouse	195-199 O'Brien Hwy	Cambridge	1873
CAM.271	Barnes, James B. House	200 O'Brien Hwy	Cambridge	1824
CAM.348	Lockhart, William L. Coffin Factory Main Building	201 O'Brien Hwy	Cambridge	r 1870
CAM.272	Lockart, William L. Company Building	209 O'Brien Hwy	Cambridge	c 1859
CAM.1400	Morrell, John and Company Branch House	221 O'Brien Hwy	Cambridge	1929
CAM.1399	Whitehead Metal Products Company	225 O'Brien Hwy	Cambridge	1929
CAM.273	Aborn, John House	41 Orchard St	Cambridge	1846
CAM.274	Billings, Frederick House	45 Orchard St	Cambridge	1846
CAM.1310	Davenport - Allen and Endicott Factory West Wing	Osborn St	Cambridge	1848
CAM.1311	Davenport - Allen Factory West Wing Extension	Osborn St	Cambridge	1848
CAM.1312	Allen and Endicott Factory Extension	Osborn St	Cambridge	1896
CAM.1313	Allen and Endicott Factory Extension	Osborn St	Cambridge	1896
CAM.461	Putnam School	Otis St	Cambridge	1889
CAM.465	Saint Hedwig's Parish Church	Otis St	Cambridge	1939
CAM.468	Otis Hospital	Otis St	Cambridge	
CAM.371	Woodbury, James A. - Geldowsky, Ferdinand Building	2-28 Otis St	Cambridge	1869
CAM.374		31 Otis St	Cambridge	1900
CAM.473	Hall, Lewis and William A. Rowhouse	55 Otis St	Cambridge	1851

Inv. No.	Property Name	Street	Town	Year
CAM.474	Hall, Lewis and William A. Rowhouse	57 Otis St	Cambridge	1851
CAM.475	Hall, Lewis and William A. Rowhouse	59 Otis St	Cambridge	1851
CAM.485	Hazard, Samuel L. House	60 Otis St	Cambridge	1871
CAM.476	Hall, Lewis and William A. Rowhouse	61 Otis St	Cambridge	1851
CAM.484		62 Otis St	Cambridge	
CAM.472	Sortwell, Daniel R. Double House	63-65 Otis St	Cambridge	1871
CAM.483		64 Otis St	Cambridge	
CAM.471		65 1/2 Otis St	Cambridge	
CAM.482	Jones, Andrew - Hall, William A. Double House	66-68 Otis St	Cambridge	1846
CAM.470	Goss, Abiel Double House	67-69 Otis St	Cambridge	1839
CAM.481		70 Otis St	Cambridge	
CAM.469		73-75 Otis St	Cambridge	
CAM.480		74 Otis St	Cambridge	
CAM.479		78 Otis St	Cambridge	
CAM.477	Clark, Josias - Cummings, Daniel P. Rowhouse	80 Otis St	Cambridge	1861
CAM.478	Clark, Josias - Cummings, Daniel P. Rowhouse	82 Otis St	Cambridge	1861
CAM.467	Deshon, Royal P. House	93 Otis St	Cambridge	1842
CAM.460		94 Otis St	Cambridge	
CAM.466		95-97 Otis St	Cambridge	
CAM.459		96 Otis St	Cambridge	
CAM.458		98 Otis St	Cambridge	
CAM.457	Taylor, Oliver House	100 Otis St	Cambridge	1848
CAM.455	Adams, Jabez F. - Atwood, Samuel S. Rowhouse	102 Otis St	Cambridge	1848
CAM.464	Bridgeman, John L. Double House	103-105 Otis St	Cambridge	1843
CAM.456	Adams, Jabez F. - Atwood, Samuel S. Rowhouse	104 Otis St	Cambridge	1848
CAM.454		106-108 Otis St	Cambridge	
CAM.463		107-109 Otis St	Cambridge	
CAM.453		110 Otis St	Cambridge	
CAM.462		113 Otis St	Cambridge	
CAM.439		117 1/2 Otis St	Cambridge	
CAM.440		117-119 Otis St	Cambridge	
CAM.451		118 Otis St	Cambridge	
CAM.450		120 Otis St	Cambridge	
CAM.448	Dennison, James Double House	122-124 Otis St	Cambridge	1870
CAM.449		122 1/2-124 1/2 Otis St	Cambridge	
CAM.438		123 Otis St	Cambridge	
CAM.437		125-127 Otis St	Cambridge	
CAM.447		126-128 Otis St	Cambridge	

Inv. No.	Property Name	Street	Town	Year
CAM.436		129-131 Otis St	Cambridge	
CAM.446		130 Otis St	Cambridge	
CAM.445		132 Otis St	Cambridge	
CAM.435		133-135 Otis St	Cambridge	
CAM.275	Hoyt, Benjamin House	134 Otis St	Cambridge	1868
CAM.443		136-138 Otis St	Cambridge	
CAM.434	Warren, Moses - Smith, Benjamin G. Rowhouse	137 Otis St	Cambridge	1852
CAM.1339	Warren, Moses - Smith, Benjamin G. Rowhouse	139 Otis St	Cambridge	1852
CAM.442		140 Otis St	Cambridge	1895
CAM.1340	Warren, Moses - Smith, Benjamin G. Rowhouse	141 Otis St	Cambridge	1852
CAM.1341	Warren, Moses - Smith, Benjamin G. Rowhouse	143 Otis St	Cambridge	1852
CAM.1342	Warren, Moses - Smith, Benjamin G. Rowhouse	145 Otis St	Cambridge	1852
CAM.433	Fraser, John B. Double House	147-149 Otis St	Cambridge	1846
CAM.432		151 Otis St	Cambridge	
CAM.1179	Coop Annex	18 Palmer St	Cambridge	1964
CAM.276	Urban Rowhouse	30-38 Pearl St	Cambridge	1874
CAM.277	Urban Rowhouse	40-50 Pearl St	Cambridge	1875
CAM.278	Valentine Soap Workers' Cottage	101 Pearl St	Cambridge	1835
CAM.1368	Blessed Sacrament Roman Catholic Church	175 Pearl St	Cambridge	1907
CAM.1370	Blessed Sacrament Roman Catholic Church Rectory	189 Pearl St	Cambridge	1868
CAM.279		3 Phillips Pl	Cambridge	
CAM.280		5 Phillips Pl	Cambridge	c 1845
CAM.281		7 Phillips Pl	Cambridge	1898
CAM.282		9 Phillips Pl	Cambridge	r 1870
CAM.1180	Harvard Crimson Newspaper Office	14-18 Plympton St	Cambridge	1915
CAM.1181	Crimson Building Annex	22 Plympton St	Cambridge	1961
CAM.1182	Adams House Dining Hall	28 Plympton St	Cambridge	1930
CAM.1183	Russell Hall	28 Plympton St	Cambridge	1931
CAM.1184	Russell Hall	30-30A Plympton St	Cambridge	1887
CAM.1207	Quincy House - Harvard University	58 Plympton St	Cambridge	1958
CAM.1208	Mather Hall - Harvard University	68-88 Plympton St	Cambridge	1930
CAM.1209		101-103 Plympton St	Cambridge	1870
CAM.1382	Brooks Apartments - Winthrop, John Chambers	78-80 Porter Rd	Cambridge	1915
CAM.283	Willis, Stillman House	1 Potter Pk	Cambridge	1839
CAM.1401	Volpe Center - High Rise Laboratory	2 Potter St	Cambridge	c 1965
CAM.1403	Volpe Center - Space Guidance Building	2 Potter St	Cambridge	c 1965
CAM.1404	Volpe Center - Space Optics Building	2 Potter St	Cambridge	c 1965

Inv. No.	Property Name	Street	Town	Year
CAM.284	Saunders, William House	6 Prentiss St	Cambridge	1843
CAM.1352	Beck - Warren House	1 Prescott St	Cambridge	1833
CAM.285		16 Prescott St	Cambridge	1873
CAM.291	Carpenter Center for the Visual Arts	19 Prescott St	Cambridge	1963
CAM.582	New England Gas and Electric Association I Bldg	45 Prospect St	Cambridge	1960
CAM.286	Prospect Congregational Church	99 Prospect St	Cambridge	1851
CAM.287	Baldwin, Maria House	196 Prospect St	Cambridge	r 1845
CAM.288	Sands, Hiram House	22 Putnam Ave	Cambridge	1848
CAM.293	Harvard Union	Quincy St	Cambridge	1900
CAM.986	Harvard University - Hallowell Gate	10 Quincy St	Cambridge	1928
CAM.289	Dana, Richard Henry - Palmer, George Herbert House	12-16 Quincy St	Cambridge	1822
CAM.952	Harvard University - Quincy Street Gate	17 Quincy St	Cambridge	1936
CAM.1213	Harvard University - President's House	17 Quincy St	Cambridge	1911
CAM.290	Fogg Art Museum	26-32 Quincy St	Cambridge	1925
CAM.292	Church of the New Jerusalem	50 Quincy St	Cambridge	1903
CAM.1266		60 Raymond St	Cambridge	1927
CAM.298	Mason, W. A. House	87 Raymond St	Cambridge	1846
CAM.299	Stickney, N. U. - Shepard, S. P. Double House	11-13 Remington St	Cambridge	1846
CAM.300	Hooper, Edward W. - Eliot, Rev. Samuel A. House	25-27 Reservoir Rd	Cambridge	1872
CAM.301		59 Rice St	Cambridge	1847
CAM.327	Hews Pottery Company Carriage House	202 Richdale Ave	Cambridge	1897
CAM.302	Kidder - Sargent - McCrehan House	146 Rindge Ave	Cambridge	1792
CAM.303	Wyeth Brickyard Superintendent's House	336 Rindge Ave	Cambridge	c 1848
CAM.923	River Street Bridge	River St	Cambridge	1926
CAM.304	Urban Rowhouse	26-32 River St	Cambridge	1860
CAM.330	Ricker, George and Jerediah House	109-113 River St	Cambridge	1844
CAM.305	River Street Firehouse	176 River St	Cambridge	1890
CAM.1211		11 Riverview Ave	Cambridge	1899
CAM.922	Boston University Bridge	Rt 2	Cambridge	1928
CAM.306	Soule, Lawrence Porter House	11 Russell St	Cambridge	1879
CAM.307	Wood, James A. House	3 Sacramento St	Cambridge	1888
CAM.1239	Winthrop Hall - Episcopal Theological School	Saint John's Rd	Cambridge	1892
CAM.529		6-8 Salem St	Cambridge	c 1829
CAM.530		10 Salem St	Cambridge	c 1840
CAM.531		15 Salem St	Cambridge	c 1841
CAM.415	Hastings, Deborah House	72 Sciarappa St	Cambridge	1823

Inv. No.	Property Name	Street	Town	Year
CAM.416		74 Sciarappa St	Cambridge	
CAM.401	Pendexter, Charles House	80-82 Sciarappa St	Cambridge	1847
CAM.1321	Boston Museum of Science	Science Park	Cambridge	1951
CAM.1322	Hayden Planetarium	Science Park	Cambridge	1958
CAM.770		2 Scott St	Cambridge	1889
CAM.771	Thaxter, Roland House	7 Scott St	Cambridge	1891
CAM.772		8 Scott St	Cambridge	1889
CAM.773		11 Scott St	Cambridge	1893
CAM.774		12 Scott St	Cambridge	1894
CAM.775		14 Scott St	Cambridge	1927
CAM.776		18 Scott St	Cambridge	1928
CAM.375	Roby, Ebenezer Rowhouse	30 Second St	Cambridge	1836
CAM.376	Roby, Ebenezer Rowhouse	32 Second St	Cambridge	1836
CAM.377	Roby, Ebenezer Rowhouse	34 Second St	Cambridge	1836
CAM.364	Hall, Jesse Rowhouse	36 Second St	Cambridge	1842
CAM.365	Hall, Jesse Rowhouse	38 Second St	Cambridge	1842
CAM.366	Hall, Jesse Rowhouse	40 Second St	Cambridge	1842
CAM.367	Hall, Jesse Rowhouse	42 Second St	Cambridge	1842
CAM.368	Hall, Jesse Rowhouse	44 Second St	Cambridge	1842
CAM.369	Hall, Jesse Rowhouse	46 Second St	Cambridge	1842
CAM.370		50 Second St	Cambridge	
CAM.308	American Net and Twine Company Factory	155R Second St	Cambridge	1875
CAM.777		1 Shady Hill Sq	Cambridge	1915
CAM.778		2-3 Shady Hill Sq	Cambridge	1915
CAM.779		4-5 Shady Hill Sq	Cambridge	1915
CAM.780		6-7 Shady Hill Sq	Cambridge	1915
CAM.781		8-9 Shady Hill Sq	Cambridge	1915
CAM.782		10-11 Shady Hill Sq	Cambridge	1915
CAM.783		12 Shady Hill Sq	Cambridge	1915
CAM.309	Eliot Hall	51 Shepard St	Cambridge	1907
CAM.310	Bertram Hall	53 Shepard St	Cambridge	1901
CAM.311	Watson, Abraham Jr. House	181-183 Sherman St	Cambridge	c 1750
CAM.506	Sacred Heart Roman Catholic Church	39 Sixth St	Cambridge	1874
CAM.431		40 Sixth St	Cambridge	
CAM.508	Sacred Heart Roman Catholic Church Rectory	49 Sixth St	Cambridge	1885
CAM.927	Eliot Bridge	Soldier's Field Rd	Cambridge	1950
CAM.1210	Bryan Hall - Harvard University	14-24 South St	Cambridge	1930
CAM.312	Stedman, Samuel House	17 South St	Cambridge	1826

Inv. No.	Property Name	Street	Town	Year
CAM.1185	Harvard Advocate Building	21 South St	Cambridge	1956
CAM.313	Dodge, Edward House	70 Sparks St	Cambridge	1878
CAM.325	Harugari Hall	154 Spring St	Cambridge	1873
CAM.1186		4-6 Story St	Cambridge	1966
CAM.1187		8-12 Story St	Cambridge	1969
CAM.1188		14-16 Story St	Cambridge	1970
CAM.353	Blake and Knowles Core Shop #1	Third St	Cambridge	c 1889
CAM.354	Blake and Knowles Core Shop #2	Third St	Cambridge	c 1890
CAM.505	Lechmere Point Corporation Row House	25 Third St	Cambridge	c 1821
CAM.381	Rollins, John W. Rowhouse	83 Third St	Cambridge	1860
CAM.382	Rollins, John W. Rowhouse	85 Third St	Cambridge	1860
CAM.383	Rollins, John W. Rowhouse	87 Third St	Cambridge	1860
CAM.384	Rollins, John W. Rowhouse	89 Third St	Cambridge	1860
CAM.331	Old Middlesex County Superior Courthouse	90 Third St	Cambridge	1814
CAM.385	Rollins, John W. Rowhouse	91 Third St	Cambridge	1860
CAM.386	Rollins, John W. Rowhouse	93 Third St	Cambridge	1860
CAM.387	Rollins, John W. Rowhouse	95 Third St	Cambridge	1860
CAM.314	Holy Cross Polish National Catholic Church	99 Third St	Cambridge	1827
CAM.315	Bottle House Block	204-214 Third St	Cambridge	1826
CAM.350	Blake and Knowles Machine Shop #1	265 Third St	Cambridge	1889
CAM.351	Blake and Knowles Office Headhouse	265 Third St	Cambridge	1892
CAM.355	Blake and Knowles Smith Shop and Brass Foundry	275 Third St	Cambridge	c 1890
CAM.326	Cambridge Gas Light Company Purifying Plant	354 Third St	Cambridge	1908
CAM.388	Stevens, Atherton H. Rowhouse	59 Thorndike St	Cambridge	1827
CAM.395	Smallidge, Samuel House	66 Thorndike St	Cambridge	1827
CAM.389	Bates, Moses Jr. House	69 Thorndike St	Cambridge	1844
CAM.396	Buck, Silas B. House	70 Thorndike St	Cambridge	1845
CAM.390	Tufts, Sophia Kimball Double House	71-73 Thorndike St	Cambridge	1857
CAM.397	Wellington, Peter House	74 Thorndike St	Cambridge	1843
CAM.391		75 Thorndike St	Cambridge	
CAM.398		76 Thorndike St	Cambridge	
CAM.392		77 Thorndike St	Cambridge	
CAM.399		78 Thorndike St	Cambridge	
CAM.393		79-81 Thorndike St	Cambridge	
CAM.400		80 Thorndike St	Cambridge	
CAM.394		83 Thorndike St	Cambridge	
CAM.402	Stickney, Francis H. - Davies, Benjamin	84 Thorndike St	Cambridge	1867

Inv. No.	Property Name	Street	Town	Year
	Rowhouse			
CAM.417	Clark, Cornelius - Kneeland, W. W. House	85 Thorndike St	Cambridge	1822
CAM.403	Stickney, Francis H. - Davies, Benjamin Rowhouse	86 Thorndike St	Cambridge	1867
CAM.404	Stickney, Francis H. - Davies, Benjamin Rowhouse	88 Thorndike St	Cambridge	1867
CAM.418		89-91 Thorndike St	Cambridge	
CAM.405	Stickney, Francis H. - Davies, Benjamin Rowhouse	90 Thorndike St	Cambridge	1867
CAM.406	Stickney, Francis H. - Davies, Benjamin Rowhouse	92 Thorndike St	Cambridge	1867
CAM.419	Whitacre, Celeste I. Rowhouse	93 Thorndike St	Cambridge	1885
CAM.407	Stickney, Francis H. - Davies, Benjamin Rowhouse	94 Thorndike St	Cambridge	1867
CAM.420	Whitacre, Celeste I. Rowhouse	95 Thorndike St	Cambridge	1885
CAM.408	Train, Isaac House	96 Thorndike St	Cambridge	1826
CAM.421	Whitacre, Celeste I. Rowhouse	97 Thorndike St	Cambridge	1885
CAM.422	Davies, Daniel House	97 1/2 Thorndike St	Cambridge	1843
CAM.409		98 Thorndike St	Cambridge	
CAM.423		99 Thorndike St	Cambridge	
CAM.424	Daniels, Granville W. House	101 Thorndike St	Cambridge	1868
CAM.410		102 Thorndike St	Cambridge	
CAM.411	Spare, Elijah Jr. Double House	104-106 Thorndike St	Cambridge	1846
CAM.425	Eaton, Charles House	109 Thorndike St	Cambridge	1857
CAM.412	Quimby, Amos House	110 Thorndike St	Cambridge	1857
CAM.426		111-113 Thorndike St	Cambridge	
CAM.413	Stickney, Francis H. Double House	112-114 Thorndike St	Cambridge	1863
CAM.427		113 1/2 Thorndike St	Cambridge	
CAM.414	Bacon, Henry A. House	116 Thorndike St	Cambridge	1865
CAM.507	Sacred Heart Roman Catholic School and Convent	163 Thorndike St	Cambridge	1902
CAM.316	Craigie Arms	2-6 University Rd	Cambridge	1897
CAM.317	Wyeth, Jacob - Smith, Ebenezer House	152 Vassal Ln	Cambridge	1820
CAM.360	Metropolitan Supply Company Warehouse	269 Vassar St	Cambridge	1948
CAM.361	Hovey, F. A. and Company Warehouse	271-275 Vassar St	Cambridge	c 1940
CAM.362	Metropolitan Supply Company Warehouse	277-287 Vassar St	Cambridge	1939
CAM.363	Metropolitan Supply Company Warehouse	289-293 Vassar St	Cambridge	1939
CAM.989	Walden Street Cattle Pass	Walden St	Cambridge	1857
CAM.1283	Bennink - Douglas Double Cottage	35-37 Walker St	Cambridge	1874
CAM.1284	Bennink - Douglas Double Cottage	39-41 Walker St	Cambridge	1874

Inv. No.	Property Name	Street	Town	Year
CAM.1285	Bennink - Douglas Double Cottage	43-45 Walker St	Cambridge	1874
CAM.1286	Bennink - Douglas Double Cottage	49-51 Walker St	Cambridge	1874
CAM.1034	Sands, Orrin E. House	2 Walnut Ave	Cambridge	1911
CAM.1032		4 Walnut Ave	Cambridge	1878
CAM.1033	Niles, Jacob Harris House	6 Walnut Ave	Cambridge	1884
CAM.1031	Niles, Eugene M. House	9 Walnut Ave	Cambridge	1887
CAM.318	Stanstead, The	19 Ware St	Cambridge	1887
CAM.799	Ritchie, David House	26 Washington Ave	Cambridge	1889
CAM.793	Brown, Laura House	27 Washington Ave	Cambridge	1908
CAM.794	Mellen, James House	33 Washington Ave	Cambridge	1887
CAM.795	Kelley, Stillman F. House	49 Washington Ave	Cambridge	1887
CAM.1000	Boardman, Charles House	58 Washington Ave	Cambridge	1880
CAM.797	Mansfield, Gardiner House	63 Washington Ave	Cambridge	1873
CAM.798	Green, Charles G. House	71 Washington Ave	Cambridge	1877
CAM.1001	Boynton, Morris House	78 Washington Ave	Cambridge	c 1874
CAM.319	Melendy, Henry J. House	81 Washington Ave	Cambridge	1871
CAM.1002		86-88 Washington Ave	Cambridge	1870
CAM.1003		92 Washington Ave	Cambridge	1876
CAM.1004	Hutchins, Elizabeth House	108 Washington Ave	Cambridge	1924
CAM.541	Whittemore, Rev. Thomas Double House	271-273 Washington St	Cambridge	1837
CAM.540	Whittemore, Rev. Thomas Double House	288 Washington St	Cambridge	1837
CAM.539	Paige, Rev. Lucius R. House	296 Washington St	Cambridge	1837
CAM.346		1 Waterhouse St	Cambridge	1916
CAM.320	Vassall - Waterhouse - Ware House	7 Waterhouse St	Cambridge	c 1753
CAM.347		9 Waterhouse St	Cambridge	1887
CAM.335	Christian Science Church	13 Waterhouse St	Cambridge	1923
CAM.988	Fort Washington	95 Waverly St	Cambridge	
CAM.924	Western Avenue Bridge	Western Ave	Cambridge	1924
CAM.638	Cambridge Police Headquarters	5 Western Ave	Cambridge	1933
CAM.948	Central Square Park	22 Western Ave	Cambridge	1987
CAM.321	Read, Cheney House	135 Western Ave	Cambridge	1846
CAM.323	Hasey, Abraham - Wheat, Dr. Samuel House	8 Willard St	Cambridge	c 1730
CAM.514	Hixon, Edward House	3 William St	Cambridge	1857
CAM.1378	Immaculate Conception (Lithuanian) Catholic Church	432 Windsor St	Cambridge	1910
CAM.1379	Immaculate Conception (Lithuanian) Church Rectory	432 Windsor St	Cambridge	1972
CAM.1380	Immaculate Conception Church Rectory Metal Garage	432 Windsor St	Cambridge	1941

Inv. No.	Property Name	Street	Town	Year
CAM.1381	Immaculate Conception Church Rectory Wood Garage	432 Windsor St	Cambridge	1948
CAM.500		19 Winter St	Cambridge	r 1855
CAM.492		21 Winter St	Cambridge	c 1854
CAM.486	Leighton, Thomas H. House	22 Winter St	Cambridge	1833
CAM.491		24 Winter St	Cambridge	c 1854
CAM.493		25 Winter St	Cambridge	c 1854
CAM.494		27 Winter St	Cambridge	c 1854
CAM.496		28-30 Winter St	Cambridge	c 1854
CAM.495		29 Winter St	Cambridge	c 1854
CAM.497		31-33 Winter St	Cambridge	c 1854
CAM.501		34-42 Winter St	Cambridge	r 1875
CAM.498		61 Winter St	Cambridge	c 1854
CAM.499		65 Winter St	Cambridge	c 1854
CAM.489	Stevens, Atherton Haugh House	67 Winter St	Cambridge	1843
CAM.490	Stevens, Atherton Haugh House	71 Winter St	Cambridge	1843
CAM.487	Stevens, Atherton Haugh House	74 Winter St	Cambridge	1838
CAM.1344		75 Winter St	Cambridge	
CAM.1345	Stevens, Atherton Haugh House	77 Winter St	Cambridge	1838
CAM.488	Stevens, Atherton Haugh House	79 Winter St	Cambridge	1838
CAM.1189	Metcalf, Lydia House	41 Winthrop St	Cambridge	1845
CAM.1190		65-67 Winthrop St	Cambridge	1887
CAM.1191	University Lutheran Church	66 Winthrop St	Cambridge	1950
CAM.1192		69 Winthrop St	Cambridge	r 1835
CAM.1193	Pi Eta Club	89 Winthrop St	Cambridge	r 1908
CAM.1194	Pi Eta Hall	95 Winthrop St	Cambridge	r 1896
CAM.1195	Hyde, Isaac - Taylor House	96 Winthrop St	Cambridge	1845
CAM.329	Cox - Hicks House	98 Winthrop St	Cambridge	c 1806
CAM.951	Winthrop Street Retaining Wall	98 Winthrop St	Cambridge	c 1725
CAM.1196	Dame School	106 Winthrop St	Cambridge	c 1800
CAM.909	Yerxa Street Pedestrian Subway	Yerxa St	Cambridge	1904
CAM.1391	Saint Patrick's Roman Catholic Church	40-50 York St	Cambridge	

National Register of Historic Places: Listed Properties
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Note: Not all properties are digitized

Reference Number	State	County	City	Resource Name	Address	Listed Date	Text Click me	Photos Click me
83000786	MASSACHUSETTS	Middlesex	Cambridge	Building at 259 Mount Auburn Street	259 Mt. Auburn St.	19830630	Text	Photos
83000787	MASSACHUSETTS	Middlesex	Cambridge	Building at 1707-1709 Cambridge Street	1707-1709 Cambridge St.	19830630	Text	Photos
83000788	MASSACHUSETTS	Middlesex	Cambridge	Building at 1715-1717 Cambridge Street	1715-1717 Cambridge St.	19830630	Text	Photos
83000790	MASSACHUSETTS	Middlesex	Cambridge	Building at 102-104 Inman Street	102-104 Inman St.	19830630	Text	Photos
83000791	MASSACHUSETTS	Middlesex	Cambridge	Child, Francis J., House	67 Kirkland St.	19830630	Text	Photos
83000792	MASSACHUSETTS	Middlesex	Cambridge	Church of the New Jerusalem	50 Quincy St.	19830630	Text	Photos
83000793	MASSACHUSETTS	Middlesex	Cambridge	Cloverden	29 Fallen St.	19830630	Text	Photos
83000795	MASSACHUSETTS	Middlesex	Cambridge	Coolidge, Josiah, House	24 Coolidge Hill Rd.	19830630	Text	Photos
83000796	MASSACHUSETTS	Middlesex	Cambridge	cummings, e.e., House	104 Irving St.	19830630	Text	Photos
83000797	MASSACHUSETTS	Middlesex	Cambridge	East Cambridge Historic District	Roughly bounded by Cambridge, Hurley and 5th Sts.	19830630	Text	Photos
83000798	MASSACHUSETTS	Middlesex	Cambridge	Ellis, Asa, House	158 Auburn St.	19830630	Text	Photos
83000799	MASSACHUSETTS	Middlesex	Cambridge	Fay, Issac, House	123 Antrim St.	19830630	Text	Photos
83000800	MASSACHUSETTS	Middlesex	Cambridge	Flentje, Ernst, House	129 Magazine St.	19830630	Text	Photos
83000801	MASSACHUSETTS	Middlesex	Cambridge	Frost, David, House	26 Gray St.	19830630	Text	Photos
83000802	MASSACHUSETTS	Middlesex	Cambridge	Frost, Elizabeth, Tenanthouse	35 Bowdoin St.	19830630	Text	Photos
83000803	MASSACHUSETTS	Middlesex	Cambridge	Garfield Street Historic District	Garfield St. between Massachusetts Ave. and Oxford St.	19830630	Text	Photos
83000806	MASSACHUSETTS	Middlesex	Cambridge	Hall Tavern	20 Gray Gardens West St.	19830630	Text	Photos
83000807	MASSACHUSETTS	Middlesex	Cambridge	Hill, Aaron, House	17 Brown St.	19830630	Text	Photos
83000808	MASSACHUSETTS	Middlesex	Cambridge	Holmes, Joseph, House	144 Coolidge Hill St.	19830630	Text	Photos
83000811	MASSACHUSETTS	Middlesex	Cambridge	Howe House	6 Appleton St.	19830630	Text	Photos
83000813	MASSACHUSETTS	Middlesex	Cambridge	Jones, William R., House	307 Harvard St.	19830630	Text	Photos
83000814	MASSACHUSETTS	Middlesex	Cambridge	Lovell Block	1853 Massachusetts Ave.	19830630	Text	Photos
83000815	MASSACHUSETTS	Middlesex	Cambridge	Lowell, The	33 Lexington Ave.	19830630	Text	Photos
83000816	MASSACHUSETTS	Middlesex	Cambridge	Maple Avenue Historic District	Maple Ave. between Marie Ave. and Broadway	19830630	Text	Photos
83000818	MASSACHUSETTS	Middlesex	Cambridge	Mount Auburn Cemetery Reception House	583 Mt. Auburn St.	19830630	Text	Photos
83000819	MASSACHUSETTS	Middlesex	Cambridge	North Avenue Congregational Church	183 Massachusetts Ave.	19830630	Text	Photos
83000820	MASSACHUSETTS	Middlesex	Cambridge	Old Cambridgeport Historic District	Cherry, Harvard and Washington Sts.	19830630	Text	Photos
83000822	MASSACHUSETTS	Middlesex	Cambridge	Orne, Sarah, House	10 Coolidge Hill Rd.	19830630	Text	Photos
83000824	MASSACHUSETTS	Middlesex	Cambridge	Porcellian Club	1320-24 Massachusetts Ave.	19830630	Text	Photos
83000825	MASSACHUSETTS	Middlesex	Cambridge	Saunders, William, House	6 Prentiss St.	19830630	Text	Photos
83000827	MASSACHUSETTS	Middlesex	Cambridge	Second Waterhouse House	9 Follen St.	19830630	Text	Photos
83000828	MASSACHUSETTS	Middlesex	Cambridge	St. James Episcopal Church	1991 Massachusetts Ave.	19830630	Text	Photos
83000829	MASSACHUSETTS	Middlesex	Cambridge	St. John's Roman Catholic Church	2270 Massachusetts Ave.	19830630	Text	Photos
83000831	MASSACHUSETTS	Middlesex	Cambridge	Urban Rowhouse	26-32 River St.	19830630	Text	Photos
83000832	MASSACHUSETTS	Middlesex	Cambridge	Valentine Soap Workers Cottage	5-7 Cottage St.	19830630	Text	Photos
83000833	MASSACHUSETTS	Middlesex	Cambridge	Valentine Soap Workers Cottage	101 Pearl St.	19830630	Text	Photos
83000834	MASSACHUSETTS	Middlesex	Cambridge	Vinal, Albert, House	325 Harvard St.	19830630	Text	Photos
83000835	MASSACHUSETTS	Middlesex	Cambridge	Ware Hall	383 Harvard St.	19830630	Text	Photos
83000784	MASSACHUSETTS	Middlesex	Cambridge	Bradbury, William F., House	369 Harvard St.	19830630	Text	Photos
83000781	MASSACHUSETTS	Middlesex	Cambridge	Atwood, Ephraim, House	110 Hancock St.	19830630	Text	Photos
83000789	MASSACHUSETTS	Middlesex	Cambridge	Building at 104-106 Hancock Street	104-106 Hancock St.	19830630	Text	Photos
83004030	MASSACHUSETTS	Middlesex	Cambridge	Homer-Lovell House	11 Forest St.	19831222	Text	Photos
83000826	MASSACHUSETTS	Middlesex	Cambridge	Second Cambridge Savings Bank Building	11-21 Dunster St.	19830630	Text	Photos
83004293	MASSACHUSETTS	Middlesex	Cambridge	Cambridge Common Historic District Amendment	Massachusetts Ave. and Garden, Waterhouse, Cambridge, and Peabody Sts.	19830630	Text	Photos
82001906	MASSACHUSETTS	Middlesex	Cambridge	American Net and Twine Company Factory	155 2nd St.	19820401	Text	Photos
79000354	MASSACHUSETTS	Middlesex	Cambridge	Abbot, Edwin, House	1 Follen St.	19790510	Text	Photos
82001916	MASSACHUSETTS	Middlesex	Cambridge	Ash Street Historic District	Ash St. and Ash St. Place between Brattle and Mount Auburn Sts.	19820413	Text	Photos
82001917	MASSACHUSETTS	Middlesex	Cambridge	Athenaeum Press	215 1st St.	19820413	Text	Photos
82001919	MASSACHUSETTS	Middlesex	Cambridge	Barnes, James B., House	200 Monsignor O'Brien Hwy.	19820413	Text	Photos
82001922	MASSACHUSETTS	Middlesex	Cambridge	Bigelow Street Historic District	Bigelow St.	19820413	Text	Photos
82001926	MASSACHUSETTS	Middlesex	Cambridge	Building at 10 Follen Street	10 Follen St.	19820413	Text	Photos
78000435	MASSACHUSETTS	Middlesex	Cambridge	Carpenter Center for the Visual Arts	19 Prescott St.	19780420	Text	Photos
72000124	MASSACHUSETTS	Middlesex	Cambridge	Cooper-Frost-Austin House	21 Linnaean St.	19720922	Text	Photos
75000249	MASSACHUSETTS	Middlesex	Cambridge	First Baptist Church	Magazine and River Sts.	19750414	Text	Photos

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Reference Number	State	County	City	Resource Name	Address	Listed Date	Text Click me	Photos Click me
78000441	MASSACHUSETTS	Middlesex	Cambridge	Harvard Square Subway Kiosk	Massachusetts Ave. and Boylston St.	19780130	Text	Photos
78000442	MASSACHUSETTS	Middlesex	Cambridge	Hasty Pudding Club	12 Holyoke St.	19780109	Text	Photos
82001933	MASSACHUSETTS	Middlesex	Cambridge	Conventual Church of St. Mary and St. John	980 Memorial Dr.	19820413	Text	Photos
82001934	MASSACHUSETTS	Middlesex	Cambridge	Cook, William, House	71 Appleton St.	19820413	Text	Photos
82001935	MASSACHUSETTS	Middlesex	Cambridge	Day, Anna, House	139 Cushing St.	19820413	Text	Photos
82001936	MASSACHUSETTS	Middlesex	Cambridge	Deane-Williams House	21-23 Fayette St.	19820413	Text	Photos
82001937	MASSACHUSETTS	Middlesex	Cambridge	Dodge, Edward, House	70 Sparks St.	19820413	Text	Photos
76000238	MASSACHUSETTS	Middlesex	Cambridge	Sands, Hiram, House	22 Putnam Ave.	19760430	Text	Photos
82001940	MASSACHUSETTS	Middlesex	Cambridge	Fresh Pond Hotel	234 Lakeview Ave.	19820413	Text	Photos
82001941	MASSACHUSETTS	Middlesex	Cambridge	Frost, Robert, House	29-35 Brewster St.	19820413	Text	Photos
78000440	MASSACHUSETTS	Middlesex	Cambridge	Harvard Lampoon Building	44 Bow St.	19780330	Text	Photos
73000288	MASSACHUSETTS	Middlesex	Cambridge	Pratt, Dexter, House	54 Brattle St.	19730508	Text	Photos
82001942	MASSACHUSETTS	Middlesex	Cambridge	Frost, Walter, House	10 Frost St.	19820413	Text	Photos
82001943	MASSACHUSETTS	Middlesex	Cambridge	Greek Revival Cottage	59 Rice St.	19820413	Text	Photos
82001945	MASSACHUSETTS	Middlesex	Cambridge	Harvard Street Historic District	Harvard St. Between Ellery and Hancock Sts.	19820413	Text	Photos
82001946	MASSACHUSETTS	Middlesex	Cambridge	Hastings Square Historic District	Roughly bounded by Rockingham, Henry, Chestnut and Brookline Sts.	19820413	Text	Photos
82001947	MASSACHUSETTS	Middlesex	Cambridge	Henderson Carriage Repository	2067-2089 Massachusetts Ave.	19820413	Text	Photos
82001949	MASSACHUSETTS	Middlesex	Cambridge	Howells, William Dean, House	37 Concord Ave.	19820413	Text	Photos
82001951	MASSACHUSETTS	Middlesex	Cambridge	Inman Square Historic District	Hampshire, Cambridge, and Inman Sts.	19820413	Text	Photos
82001952	MASSACHUSETTS	Middlesex	Cambridge	Kidder-Sargent-McCrehan House	146 Rindge Ave.	19820413	Text	Photos
82001953	MASSACHUSETTS	Middlesex	Cambridge	Hoyt, Benjamin, House	134 Otis St.	19820413	Text	Photos
76000272	MASSACHUSETTS	Middlesex	Cambridge	Baldwin, Maria, House	196 Prospect St.	19760511	Text	Photos
82001954	MASSACHUSETTS	Middlesex	Cambridge	Kingsley, Chester, House	10 Chester St.	19820413	Text	Photos
82001955	MASSACHUSETTS	Middlesex	Cambridge	Lamson, Rufus, House	72-74 Hampshire St.	19820413	Text	Photos
82001956	MASSACHUSETTS	Middlesex	Cambridge	Larches, The	22 Larch Rd.	19820413	Text	Photos
82001959	MASSACHUSETTS	Middlesex	Cambridge	Mason, Josiah, Jr., House	11 Market St.	19820413	Text	Photos
82001961	MASSACHUSETTS	Middlesex	Cambridge	Mead, Alpheus, House	2200 Massachusetts Ave.	19820413	Text	Photos
82001962	MASSACHUSETTS	Middlesex	Cambridge	Melvin, Isaac, House	19 Centre St.	19820413	Text	Photos
82001963	MASSACHUSETTS	Middlesex	Cambridge	Newman, Andrew, House	23 Fairmont St.	19820413	Text	Photos
82001964	MASSACHUSETTS	Middlesex	Cambridge	Norfolk Street Historic District	Norfolk St. between Suffolk and Austin Sts.	19820413	Text	Photos
82001965	MASSACHUSETTS	Middlesex	Cambridge	Noyes, J.A., House	1 Highland St.	19820413	Text	Photos
75000295	MASSACHUSETTS	Middlesex	Cambridge	Birkhoff, George D., House	22 Craigie	19750515	Text	Photos
82001883	MASSACHUSETTS	Middlesex	Cambridge	Aborn, John, House	41 Orchard St.	19820413	Text	Photos
82001968	MASSACHUSETTS	Middlesex	Cambridge	Old Cambridge Baptist Church	398 Harvard St.	19820413	Text	Photos
82001970	MASSACHUSETTS	Middlesex	Cambridge	Prospect Congregational Church	99 Prospect St.	19820413	Text	Photos
75000298	MASSACHUSETTS	Middlesex	Cambridge	Bridgman, Percy, House	10 Buckingham Pl.	19750515	Text	Photos
66000140	MASSACHUSETTS	Middlesex	Cambridge	Christ Church	Garden St.	19661015	Text	Photos
82001971	MASSACHUSETTS	Middlesex	Cambridge	Read, Cheney, House	135 Western Ave.	19820413	Text	Photos
82001972	MASSACHUSETTS	Middlesex	Cambridge	Reardon, Edmund, House	195 Erie St.	19820413	Text	Photos
82001973	MASSACHUSETTS	Middlesex	Cambridge	River Street Firehouse	176 River St.	19820413	Text	Photos
82001975	MASSACHUSETTS	Middlesex	Cambridge	Salem-Auburn Streets Historic District	Salem and Auburn Sts.	19820413	Text	Photos
82001976	MASSACHUSETTS	Middlesex	Cambridge	Sands, Ivory, House	145 Elm St.	19820413	Text	Photos
82001977	MASSACHUSETTS	Middlesex	Cambridge	Slowey, Patrick, House	73 Bolton St.	19820413	Text	Photos
82001979	MASSACHUSETTS	Middlesex	Cambridge	Taylor Square Firehouse	113 Garden St.	19820413	Text	Photos
82001981	MASSACHUSETTS	Middlesex	Cambridge	Upper Magazine Street Historic District	Cottage, Magazine, William and Perry Sts.	19820413	Text	Photos
82001982	MASSACHUSETTS	Middlesex	Cambridge	Urban Rowhouse	40-48 Pearl St.	19820413	Text	Photos
82001983	MASSACHUSETTS	Middlesex	Cambridge	Urban Rowhouse	30-38 Pearl St.	19820413	Text	Photos
82001985	MASSACHUSETTS	Middlesex	Cambridge	Willis, Stillman, House	1 Potter Park	19820413	Text	Photos
82001986	MASSACHUSETTS	Middlesex	Cambridge	Winter Street Historic District	Winter St.	19820413	Text	Photos
82001987	MASSACHUSETTS	Middlesex	Cambridge	Wyeth Brickyard Superintendent's House	336 Rindge Ave.	19820413	Text	Photos
82001988	MASSACHUSETTS	Middlesex	Cambridge	Wyeth, John, House	56 Aberdeen Ave.	19820413	Text	Photos
82001989	MASSACHUSETTS	Middlesex	Cambridge	Wyeth-Smith House	152 Vassal Lane	19820413	Text	Photos
76000305	MASSACHUSETTS	Middlesex	Cambridge	Daly, Reginald A., House	23 Hawthorn St.	19760107	Text	Photos
76000306	MASSACHUSETTS	Middlesex	Cambridge	Davis, William Morris, House	17 Francis St.	19760107	Text	Photos
72000128	MASSACHUSETTS	Middlesex	Cambridge	Austin Hall	Harvard University campus	19720419	Text	Photos

National Register of Historic Places: Listed Properties
As of July 2015

Note: Not all properties are digitized

Reference Number	State	County	City	Resource Name	Address	Listed Date	Text Click me	Photos
75000254	MASSACHUSETTS	Middlesex	Cambridge	Mount Auburn Cemetery	580 Mount Auburn St.	19750421	Text	Photos
66000364	MASSACHUSETTS	Middlesex	Cambridge	Elmwood	33 Elmwood Ave.	19661015	Text	Photos
71000686	MASSACHUSETTS	Middlesex	Cambridge	Fuller, Margaret, House	71 Cherry St.	19710702	Text	Photos
70000681	MASSACHUSETTS	Middlesex	Cambridge	Hastings, Oliver, House	101 Brattle St.	19701230	Text	Photos
79000355	MASSACHUSETTS	Middlesex	Cambridge	Hooper-Lee Nichols House	159 Brattle St.	19790615	Text	Photos
66000655	MASSACHUSETTS	Middlesex	Cambridge	Gray, Asa, House	88 Garden St.	19661015	Text	Photos
82001978	MASSACHUSETTS	Middlesex	Cambridge	Soule, Lawrence, House	11 Russell St.	19820413	Text	Photos
66000769	MASSACHUSETTS	Middlesex	Cambridge	Massachusetts Hall, Harvard University	Harvard University Yard	19661015	Text	Photos
70000685	MASSACHUSETTS	Middlesex	Cambridge	Memorial Hall, Harvard University	Cambridge and Quincy Sts., Harvard University campus	19701230	Text	Photos
76001999	MASSACHUSETTS	Middlesex	Cambridge	Richards, Theodore W., House	15 Follen St.	19760107	Text	Photos
70000732	MASSACHUSETTS	Middlesex	Cambridge	Sever Hall, Harvard University	Harvard Yard	19701230	Text	Photos
76001970	MASSACHUSETTS	Middlesex	Cambridge	Little, Arthur D., Inc., Building	Memorial Dr.	19761208	Text	Photos
70000736	MASSACHUSETTS	Middlesex	Cambridge	University Hall, Harvard University	Harvard Yard	19701230	Text	Photos
73000286	MASSACHUSETTS	Middlesex	Cambridge	Brattle, William, House	42 Brattle St.	19730508	Text	Photos
73000287	MASSACHUSETTS	Middlesex	Cambridge	Old Harvard Yard	Massachusetts Ave. and Cambridge St.	19730206	Text	Photos
73000284	MASSACHUSETTS	Middlesex	Cambridge	Fort Washington	95 Waverly St.	19730403	Text	Photos
85002663	MASSACHUSETTS	Middlesex	Cambridge	Reversible Collar Company Building	25--27 Mt. Auburn & 10--12 Arrow Sts.	19850927	Text	Photos
82001960	MASSACHUSETTS	Middlesex	Cambridge	McLean, Isaac, House	2218 Massachusetts Ave.	19820413	Text	Photos
66000049	MASSACHUSETTS	Middlesex	Cambridge	Longfellow National Historic Site	105 Brattle St.	19661015	Text	Photos
82001908	MASSACHUSETTS	Middlesex	Cambridge	Almshouse	41 Orchard St.	19820413	Text	Photos
83000782	MASSACHUSETTS	Middlesex	Cambridge	Avon Hill Historic District	Washington and Walnut Aves. and Agassiz, Humboldt, Arlington and Lancaster Sts.	19830630	Text	Photos
78000436	MASSACHUSETTS	Middlesex	Cambridge	Charles River Basin Historic District	Both banks of Charles River from Eliot Bridge to Charles River Dam	19781222	Text	Photos
82001920	MASSACHUSETTS	Middlesex	Cambridge	Berkeley Street Historic District	Berkeley St.	19820413	Text	Photos
86001270	MASSACHUSETTS	Middlesex	Cambridge	Bertram Hall at Radcliffe College	53 Shepard St.	19860519	Text	Photos
86001272	MASSACHUSETTS	Middlesex	Cambridge	Bennink--Douglas Cottages	35--51 Walker St.	19860519	Text	Photos
86001276	MASSACHUSETTS	Middlesex	Cambridge	Brabrook, E. H., House	42--44 Avon St.	19860519	Text	Photos
86001279	MASSACHUSETTS	Middlesex	Cambridge	Dunvegan, The	1654 Massachusetts Ave.	19860519	Text	Photos
86001280	MASSACHUSETTS	Middlesex	Cambridge	Eliot Hall at Radcliffe College	51 Shepard St.	19860519	Text	Photos
86001284	MASSACHUSETTS	Middlesex	Cambridge	Hapgood, Richard, House	382--392 Harvard St.	19860519	Text	Photos
86001310	MASSACHUSETTS	Middlesex	Cambridge	Memorial Drive Apartments Historic District	983--984, 985--986, 987--989, and 992--993 Memorial Dr.	19860519	Text	Photos
86001311	MASSACHUSETTS	Middlesex	Cambridge	Montrose, The	1648 Massachusetts Ave.	19860519	Text	Photos
86001312	MASSACHUSETTS	Middlesex	Cambridge	Peabody Court Apartments	41--43 Linnaean St.	19860519	Text	Photos
86001313	MASSACHUSETTS	Middlesex	Cambridge	Stanstead, The	19 Ware St.	19860519	Text	Photos
86001315	MASSACHUSETTS	Middlesex	Cambridge	Stickney--Shepard House	11--13 Remington St.	19860519	Text	Photos
86001318	MASSACHUSETTS	Middlesex	Cambridge	Withey, S. B., House	10 Appian Way	19860519	Text	Photos
86001308	MASSACHUSETTS	Middlesex	Cambridge	Jarvis, The	27 Everett St.	19860519	Text	Photos
86001265	MASSACHUSETTS	Middlesex	Cambridge	Berkeley Street Historic District (Boundary Increase)	1--8 Berkeley Pl.	19860519	Text	Photos
86001282	MASSACHUSETTS	Middlesex	Cambridge	Fogg Art Museum	26--32 Quincy St.	19860519	Text	Photos
86001683	MASSACHUSETTS	Middlesex	Cambridge	Kirkland Place Historic District	Kirkland Pl.	19860519	Text	Photos
86001681	MASSACHUSETTS	Middlesex	Cambridge	Follen Street Historic District	1--44 and 5--29 Follen St.	19860519	Text	Photos
86001682	MASSACHUSETTS	Middlesex	Cambridge	Dana--Palmer House	12--16 Quincy St.	19860519	Text	Photos
86002078	MASSACHUSETTS	Middlesex	Cambridge	Treadwell--Sparks House	21 Kirkland St.	19860912	Text	Photos
86002081	MASSACHUSETTS	Middlesex	Cambridge	University Museum	11--25 Divinity Ave.	19860912	Text	Photos
86002076	MASSACHUSETTS	Middlesex	Cambridge	Loving, Joseph, House	38 Kirkland St.	19860912	Text	Photos
86002071	MASSACHUSETTS	Middlesex	Cambridge	Divinity Hall	12 Divinity Ave.	19860912	Text	Photos
86002068	MASSACHUSETTS	Middlesex	Cambridge	Brooks, Luther, House	34 Kirkland St.	19860912	Text	Photos
86002070	MASSACHUSETTS	Middlesex	Cambridge	Littlefield--Roberts House	16 Prescott St.	19860912	Text	Photos
86001319	MASSACHUSETTS	Middlesex	Cambridge	Wood, J. A., House	3 Sacramento St.	19860519	Text	Photos
83000809	MASSACHUSETTS	Middlesex	Cambridge	Hooper-Eliot House	25 Reservoir Rd.	19830630	Text	Photos
87000499	MASSACHUSETTS	Middlesex	Cambridge	Cambridge Common Historic District (Boundary Increase and Decrease)	Roughly NW of Waterhouse St. on Concord Ave. between Garden and Follen Sts.	19870126	Text	Photos
87000500	MASSACHUSETTS	Middlesex	Cambridge	Harvard Union	Quincy and Harvard Sts.	19870126	Text	Photos
82001974	MASSACHUSETTS	Middlesex	Cambridge	Sacred Heart Church, Rectory, School and Convent	6th and Thorndike Sts.	19820413	Text	Photos
86002075	MASSACHUSETTS	Middlesex	Cambridge	Sears Tower--Harvard Observatory	60 Garden St.	19870226	Text	Photos
86001317	MASSACHUSETTS	Middlesex	Cambridge	Warren, Langford H., House	6 Garden Terr.	19860519	Text	Photos
82001918	MASSACHUSETTS	Middlesex	Cambridge	B and B Chemical Company	780 Memorial Dr.	19820413	Text	Photos

National Register of Historic Places: Listed Properties
As of July 2015

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Reference Number	State	County	City	Resource Name	Address	Listed Date	Text Click me	Photos
82001921	MASSACHUSETTS	Middlesex	Cambridge	Beth Israel Synagogue	238 Columbia St.	19820413	Text	Photos
82001923	MASSACHUSETTS	Middlesex	Cambridge	Billings, Frederick, House	45 Orchard St.	19820413	Text	Photos
82001924	MASSACHUSETTS	Middlesex	Cambridge	Bottle House Block	204-214 3rd St.	19820413	Text	Photos
82001925	MASSACHUSETTS	Middlesex	Cambridge	Brattle Hall	40 Brattle St.	19820413	Text	Photos
82001967	MASSACHUSETTS	Middlesex	Cambridge	Odd Fellows Hall	536 Massachusetts Ave.	19820413	Text	Photos
82001927	MASSACHUSETTS	Middlesex	Cambridge	Building at 106-108 Inman St	106-108 Inman St.	19820413	Text	Photos
86001283	MASSACHUSETTS	Middlesex	Cambridge	Gray Gardens East and West Historic District	1--37 Gray Gardens E, 3--24 Gray Gardens W, 91 Garden and 60 Raymond Sts.	19860519	Text	Photos
82001969	MASSACHUSETTS	Middlesex	Cambridge	Opposition House	2-4 Hancock Pl.	19820413	Text	Photos
82001928	MASSACHUSETTS	Middlesex	Cambridge	Building at 42 Edward J. Lopez Avenue	42 Edward J. Lopez Ave.	19820413	Text	Photos
82001929	MASSACHUSETTS	Middlesex	Cambridge	Buildings at 110-112 Inman St.	110-112 Inman St.	19820413	Text	Photos
82001930	MASSACHUSETTS	Middlesex	Cambridge	Buildings at 15-17 Lee St.	15-17 Lee St.	19820413	Text	Photos
82001931	MASSACHUSETTS	Middlesex	Cambridge	Cambridge Public Library	449 Broadway St.	19820413	Text	Photos
82001932	MASSACHUSETTS	Middlesex	Cambridge	City Hall Historic District	Massachusetts Ave., Bigelow and Temple Sts, Inman and Richard Allen Dr.	19820413	Text	Photos
82001938	MASSACHUSETTS	Middlesex	Cambridge	East Cambridge Savings Bank	292 Cambridge St.	19820413	Text	Photos
82001939	MASSACHUSETTS	Middlesex	Cambridge	Farwell, R.H., House	2222-2224 Massachusetts Ave.	19820413	Text	Photos
82001957	MASSACHUSETTS	Middlesex	Cambridge	Lechmere Point Corporation Houses	45-51 Gore St. and 25 3rd St.	19820413	Text	Photos
86001680	MASSACHUSETTS	Middlesex	Cambridge	Shady Hill Historic District	Roughly bounded by Museum, Beacon and Holden, and Kirkland Sts., and Francis Ave.	19860519	Text	Photos
86001343	MASSACHUSETTS	Middlesex	Cambridge	US Post Office--Central Square	770 Massachusetts Ave.	19860618	Text	Photos
82004968	MASSACHUSETTS	Middlesex	Cambridge	Colburn, Sarah Foster, House	7 Dana St.	19820413	Text	Photos
86002073	MASSACHUSETTS	Middlesex	Cambridge	Harvard Houses Historic District	Roughly bounded by Mt. Auburn & Grant & Cowperwaite Sts., Banks St. & Putman Ave., the Memorial River, & Boylston St.	19860912	Text	Photos
73000281	MASSACHUSETTS	Middlesex	Cambridge	Cambridge Common Historic District	Garden, Waterhouse, Cambridge, and Peabody Sts., and Massachusetts Ave.	19730413	Text	Photos
87002137	MASSACHUSETTS	Middlesex	Cambridge	Harvard Yard Historic District	Roughly bounded by underpass, Broadway & Quincy Sts., Massachusetts Ave., & Peabody St.	19871214	Text	Photos
87002543	MASSACHUSETTS	Middlesex	Cambridge	Gale, George, House	14--16 Clinton St.	19880210	Text	Photos
86001575	MASSACHUSETTS	Middlesex	Cambridge	Craigie Arms	2--6 University Rd., 122 Mt. Auburn, and 6 Bennett Sts.	19860710	Text	Photos
86003654	MASSACHUSETTS	Middlesex	Cambridge	Harvard Square Historic District (Boundary Increase)	Roughly bounded by Harvard & Massachusetts Aves., Mt. Auburn, Winthrop, Bennett, Story & Church Sts.	19880728	Text	Photos
82001950	MASSACHUSETTS	Middlesex	Cambridge	Hubbard Park Historic District	Hubbard Park, Mercer Circle and Sparks Sts.	19820413	Text	Photos
82001948	MASSACHUSETTS	Middlesex	Cambridge	Higginson, Col. Thomas Wentworth, House	29 Buckingham St.	19820413	Text	Photos
82001944	MASSACHUSETTS	Middlesex	Cambridge	Harvard Square Historic District	Massachusetts Ave., Boylston and Brattle Sts.	19820413	Text	Photos
82001984	MASSACHUSETTS	Middlesex	Cambridge	Watson, Abraham, House	181-183 Sherman St.	19820413	Text	Photos
82001958	MASSACHUSETTS	Middlesex	Cambridge	Lowell School	25 Lowell St.	19820413	Text	Photos
83000821	MASSACHUSETTS	Middlesex	Cambridge	Old Cambridge Historic District	Irregular pattern along Brattle St.	19830630	Text	Photos
89001246	MASSACHUSETTS	Middlesex	Cambridge	Stoughton, Mary Fisk, House	90 Brattle St.	19890629	Text	Photos
82001980	MASSACHUSETTS	Middlesex	Cambridge	Union Railway Car Barn	613-621 Cambridge St.	19820413	Text	Photos
83000817	MASSACHUSETTS	Middlesex	Cambridge	Mason, W. A., House	87 Raymond St.	19830630	Text	Photos
89002285	MASSACHUSETTS	Middlesex	Cambridge	Kennedy, F. A., Steam Bakery	129 Franklin St.	19900104	Text	Photos
90000142	MASSACHUSETTS	Middlesex	Cambridge	DeRosay--McNamee House	50 Mt. Vernon St.	19900302	Text	Photos
90000128	MASSACHUSETTS	Middlesex	Cambridge	Central Square Historic District	Roughly Massachusetts Ave. from Clinton St. to Main St.	19900302	Text	Photos
94000546	MASSACHUSETTS	Middlesex	Cambridge	Shell Oil Company "Spectacular" Sign	187 Magazine St.	19940603	Text	Photos
94000554	MASSACHUSETTS	Middlesex	Cambridge	Walden Street Cattle Pass	Adjacent to MBTA right-of-way at Walden St.	19940603	Text	Photos
96000520	MASSACHUSETTS	Middlesex	Cambridge	Beck--Warren House	1 Prescott St.	19960520	Text	Photos
97000561	MASSACHUSETTS	Middlesex	Cambridge	Blake and Knowles Steam Pump Company National Register District	Bounded by Third, Binney, Fifth, and Rogers Sts.	19970613	Text	Photos
02001189	MASSACHUSETTS	Middlesex	Cambridge	Cambridge Home for the Aged and Infirm	650 Concord Ave.	20021022	Text	Photos
04000249	MASSACHUSETTS	Middlesex	Cambridge	Alewife Brook Parkway	Alewife Brook Parkway	20040318	Text	Photos
04001429	MASSACHUSETTS	Middlesex	Cambridge	Fresh Pond Parkway--Metropolitan Park System of Greater Boston	Fresh Pond Parkway	20050105	Text	Photos
05001209	MASSACHUSETTS	Middlesex	Cambridge	New England Confectionery Company Factory	250 Massachusetts Ave.	20051109	Text	Photos



ATTACHMENT D
RECEIVING WATER HYDROLOGIC INFORMATION



Park 77 EPA RGP NOI

Region ID:

MA

Workspace ID:

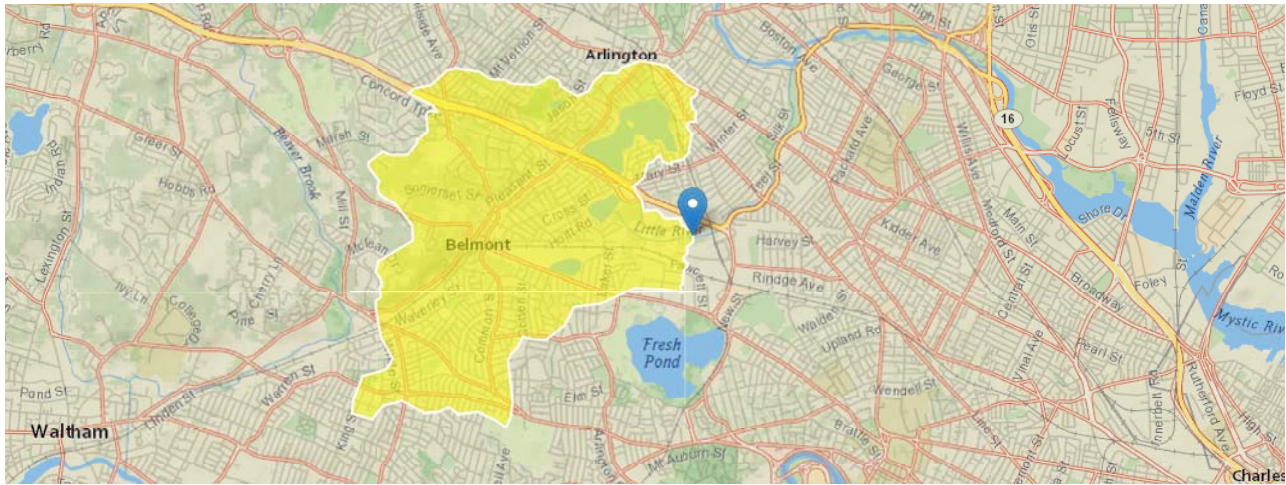
MA20170517045352973000

Clicked Point (Latitude, Longitude):

42.39697, -71.14642

Time:

2017-05-17 06:54:25 -0400



Basin Characteristics			
Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	4.21	square miles
DRFTPERSTR	Area of stratified drift per unit of stream length	0.39	square mile per mile
MAREGION	Region of Massachusetts 0 for Eastern 1 for Western	0	dimensionless
BSLDEM250	Mean basin slope computed from 1:250K DEM	2.584	percent

Low-Flow Statistics Parameters [100 Percent (4.21 square miles) Statewide Low Flow WRIR00 4135]					
Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	4.21	square miles	1.61	149
DRFTPERSTR	Stratified Drift per Stream Length	0.39	square mile per mile	0	1.29
BSLDEM250	Mean Basin Slope from 250K DEM	2.584	percent	0.32	24.6
MAREGION	Massachusetts Region	0	dimensionless	0	1

Low-Flow Statistics Flow Report [100 Percent (4.21 square miles) Statewide Low Flow WRIR00 4135]					
Statistic	Value	Unit	Average standard error (of either estimate or prediction)	Lower Prediction Interval	Upper Prediction Interval
7 Day 2 Year Low Flow	0.616	ft ³ /s	49.5	0.184	1.99
7 Day 10 Year Low Flow	0.302	ft ³ /s	70.8	0.072	1.18

Low-Flow Statistics Citations
 Ries, K.G., III, 2000, Methods for estimating low-flow statistics for Massachusetts streams: U.S. Geological Survey Water Resources Investigations Report 00-4135, 81 p. (<http://pubs.usgs.gov/wri/wri004135/>)

ALEWIFE BROOK (SEGMENT MA71-04)

Segment Description: Outlet of Little Pond, Belmont to confluence with Mystic River, Arlington/Somerville (portion in Belmont and Cambridge identified as Little River with name changing to Alewife Brook at Arlington corporate boundary)

Segment Length: 2.3 miles

Segment Classification: B/ WW CSO

2008 Integrated List of Waters: This segment is on the 2008 Integrated List of Waters in Category 5 - Waters Requiring a TMDL (Metals, Nutrients, Organic enrichment/Low DO, Pathogens, Oil and grease, Taste, odor and color, (Objectionable deposits*)) * denotes a non-pollutant.

NPDES Permits: City Of Somerville (CSO) (MA0101982), MWRA (CSO) (MA0103284), City Of Cambridge (CSO) (MA0101974)

WMA: None

Designated Use	Use Assessment	Alert
Aquatic Life	Impaired	--
<p>A USGS study found that some chemicals are present in sufficiently high concentrations in Alewife Brook sediment to pose a threat to benthic organisms and impair the Aquatic Life Use. The Aquatic Life Use is also impaired for low dissolved oxygen conditions documented by MWRA (MyRWA data supports this as well). MyRWA also documented elevated total phosphorus levels(yearly averages ranged from 0.077 to 0.133mg/L).</p> <p>Cause(s) of Impairment: Sediment Bioassays -- Chronic Toxicity Freshwater, Low Dissolved Oxygen Source(s) of Impairment: Combined Sewer Overflows, Contaminated Sediments, Unspecified Urban Stormwater</p> <p style="text-align: right;"><i>Data Sources: 1,3,5,6</i></p>		
Fish Consumption	Not Assessed	--
<p>This waterbody does not have a site-specific fish consumption advisory. All applicable statewide fish consumption advisories issued by MA DPH due to mercury contamination apply to this waterbody (See Special Note 2).</p>		
Primary Contact	Impaired	--
<p>Yearly <i>E. coli</i> geometric means calculated for the Primary Contact Recreation season from 3 MWRA stations sampled monthly from 2002 to 2007 in this segment exceeded 126 cfu/100mL. 18 out of 18 Primary Contact Recreation geomeans exceeded standards, most recently in 2008. Yearly <i>E. coli</i> geometric means calculated for the Primary Contact Recreation season from 1 MyRWA baseline monitoring station sampled monthly from 2002 to 2008 in this segment exceeded 126 cfu/100mL. 7 out of 7 years of Primary Contact Recreation geomeans exceeded standards, most recently in 2008. MWRA documented poor Secchi disk transparencies sufficient to impair the Aesthetics Use.</p> <p>Cause(s) of Impairment: <i>Escherichia coli</i>, Secchi disk transparency Source(s) of Impairment: Combined Sewer Overflows, Unspecified Urban Stormwater</p> <p style="text-align: right;"><i>Data Sources: 1, 3</i></p>		
Secondary Contact	Impaired	--
<p>Yearly <i>E. coli</i> geometric means from 3 MWRA stations sampled monthly from 2002 to 2007 in this segment exceeded 630 cfu/100mL. 8 out of 18 geomeans exceeded, most recently in 2006. Yearly <i>E. coli</i> geometric means from 1 MyRWA baseline monitoring station sampled monthly from 2002 to 2008 in this segment exceeded 630 cfu/100mL. 3 out of 7 yearly geomeans exceeded standards, most recently in 2004. MWRA documented poor Secchi disk transparencies sufficient to impair the Aesthetics Use.</p> <p>Cause(s) of Impairment: <i>Escherichia coli</i>, Secchi disk transparency Source(s) of Impairment: Combined Sewer Overflows, Unspecified Urban Stormwater</p> <p style="text-align: right;"><i>Data Sources: 1,3</i></p>		

ALEWIFE BROOK (SEGMENT MA71-04)

Segment Description: Outlet of Little Pond, Belmont to confluence with Mystic River, Arlington/Somerville (portion in Belmont and Cambridge identified as Little River with name changing to Alewife Brook at Arlington corporate boundary).

Segment Length: 2.3 miles

Segment Classification: B/ WW CSO

2008 Integrated List of Waters: This segment is on the 2008 Integrated List of Waters in Category 5 - Waters Requiring a TMDL (Metals, Nutrients, Organic enrichment/Low DO, Pathogens, Oil and grease, Taste, odor and color, (Objectionable deposits*)) * denotes a non-pollutant.

NPDES Permits: City Of Somerville (CSO) (MA0101982), MWRA (CSO) (MA0103284), City Of Cambridge (CSO) (MA0101974)

WMA: None

Aesthetics	Impaired	--
<p>MWRA documented poor Secchi disk transparencies sufficient to impair the Aesthetics Use. 31 valid Secchi disk depths (where Secchi depth was > 0.1 meters off the bottom) were recorded between 2002 and 2006, with 27 reported as less than 1.2 meters (87%).</p> <p>Cause(s) of Impairment: Secchi disk transparency Source(s) of Impairment: Combined Sewer Overflows, Unspecified Urban Stormwater</p> <p style="text-align: right;"><i>Data Sources: 1,3, 19</i></p>		

Summary of Waterbody Assessment and TMDL Status in Massachusetts

Cambridge, MA

ID	Waterbody Name	Watershed Name	Category	Acres		Miles		Cause	TMDL
				In Town - Total	Total	In Town - Total	Total		
MA71-04_2008	Alewife Brook	Boston Harbor:	5			1.1	2.3	Metals Nutrients Objectionable deposits* Oil and grease Organic enrichment/Low DO Pathogens Taste, odor and color	
MA72-31_2008	Unnamed Tributary	Charles	5			0.1	0.2	Objectionable deposits* Oil and grease Other habitat alterations* Other* PAHs PCBs Siltation Taste, odor and color	
MA72-36_2008	Charles River	Charles	5			2.2	6.1	Bioassessments Exotic species* Flow alteration*	

1) Adapted from Final Massachusetts Year 2008 Integrated List of Waters (CN 281.1, 12/2008); available at <http://www.mass.gov/dep/water/resources/08list2.pdf>
 2) For additional information on TMDLs and to view reports, see: <http://www.mass.gov/dep/water/resources/tmdls.htm>
 3) For Massachusetts Surface Water Quality Standards, and waterbody classes and uses, see: <http://www.mass.gov/dep/service/regulations/314cmr04.pdf>

Assessment of Waterbody Segment

- Category 2 - Attaining some uses; other uses not assessed
- Category 3 - Insufficient information to make assessments for any use
- Category 4a - TMDL is completed
- Category 4c - Impairment not caused by a pollutant
- Category 5 - Impaired or threatened for one or more uses and requiring a TMDL

Note: The accuracy of mileage and acreage estimates is limited for waterbodies that serve as or span municipal boundaries

Summary of Waterbody Assessment and TMDL Status in Massachusetts

Cambridge, MA

ID	Waterbody Name	Watershed Name	Category	Acres		Miles		Cause	TMDL
				In Town - Total	Total	In Town - Total	Total		
MA72-38_2008	Charles River	Charles	5			0.3	3.1	Noxious aquatic plants	CN301.0
								Nutrients	CN301.0
								Oil and grease	
								Organic enrichment/Low DO	
								Other habitat alterations*	
								Other*	
								Pathogens	CN156.0
								PCBs	
								Pesticides	
								pH	
Turbidity	CN301.0								
Unknown toxicity									
MA72-38_2008	Charles River	Charles	5			0.3	3.1	Bioassessments	
								Flow alteration*	
								Noxious aquatic plants	CN301.0
								Nutrients	CN301.0
								Oil and grease	
								Organic enrichment/Low DO	
								Other habitat alterations*	
								PCBs	
								Pesticides	

1) Adapted from Final Massachusetts Year 2008 Integrated List of Waters (CN 281.1, 12/2008); available at <http://www.mass.gov/dep/water/resources/08list2.pdf>
 2) For additional information on TMDLs and to view reports, see: <http://www.mass.gov/dep/water/resources/tmdls.htm>
 3) For Massachusetts Surface Water Quality Standards, and waterbody classes and uses, see: <http://www.mass.gov/dep/service/regulations/314cmr04.pdf>

Assessment of Waterbody Segment

- Category 2 - Attaining some uses; other uses not assessed
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- Category 4a - TMDL is completed
- Category 4c - Impairment not caused by a pollutant
- Category 5 - Impaired or threatened for one or more uses and requiring a TMDL

Summary of Waterbody Assessment and TMDL Status in Massachusetts

Cambridge, MA

ID	Waterbody Name	Watershed Name	Category	Acres		Miles	Cause	TMDL
				In Town - Total	Total	In Town - Total		
							Salinity/TDS/chlorides Siltation Taste, odor and color Thermal modifications	CN301.0
							Turbidity Unknown toxicity	CN301.0
MA71005_2008	Blacks Nook	Boston Harbor:	5	2.16	2.16		Noxious aquatic plants Nutrients	

1) Adapted from Final Massachusetts Year 2008 Integrated List of Waters (CN 281.1, 12/2008); available at <http://www.mass.gov/dep/water/resources/08list2.pdf>
 2) For additional information on TMDLs and to view reports, see: <http://www.mass.gov/dep/water/resources/tmdls.htm>
 3) For Massachusetts Surface Water Quality Standards, and waterbody classes and uses, see: <http://www.mass.gov/dep/service/regulations/314cmr04.pdf>

Assessment of Waterbody Segment

- Category 2 - Attaining some uses; other uses not assessed
- Category 3 - Insufficient information to make assessments for any use
- Category 4a - TMDL is completed
- Category 4c - Impairment not caused by a pollutant
- Category 5 - Impaired or threatened for one or more uses and requiring a TMDL

Note: The accuracy of mileage and acreage estimates is limited for waterbodies that serve as or span municipal boundaries



ATTACHMENT E
LABORATORY REPORTS



June 29, 2016

Rob Reynolds
GeoInsight, MAO (MA)
1 Monarch Drive
Littleton, MA 01460

Project Location: 75 New St., Cambridge
Client Job Number:
Project Number: 6638
Laboratory Work Order Number: 16E0492

Enclosed are results of analyses for samples received by the laboratory on May 11, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Case", written in a cursive style.

Steven M. Case
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

GeoInsight, MAO (MA)
 1 Monarch Drive
 Littleton, MA 01460
 ATTN: Rob Reynolds

REPORT DATE: 6/29/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6638

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16E0492

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report

PROJECT LOCATION: 75 New St , Cambridge

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-103	16E0492-01	Ground Water		SM21-22 2540D SM21-22 3500 Cr B SM21-22 4500 CL B SM21-22 4500 CL G SM21-22 4500 CN E SW-846 6010C-D SW-846 6020A-B SW-846 7470A SW-846 8082A SW-846 8100 Modified SW-846 8260C SW-846 8270D Tri Chrome Calc	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report

6-27-16 REVISED REPORT - TBA added to report per client request

For method 6010, only a select list of metals was requested and reported.

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SM21-22 3500 Cr B

Qualifications:**H-03**

Sample received after recommended holding time was exceeded

Analyte & Samples(s) Qualified:**Hexavalent Chromium**

16E0492-01[MW-103]

MS-07

Matrix spike recovery is outside of control limits Analysis is in control based on laboratory fortified blank recovery Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated

Analyte & Samples(s) Qualified:**Hexavalent Chromium**

16E0492-01[MW-103], B149062-MS1, B149062-MSD1

SM21-22 4500 CL G

Qualifications:**H-03**

Sample received after recommended holding time was exceeded

Analyte & Samples(s) Qualified:**Chlorine, Residual**

16E0492-01[MW-103]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits Reduced precision is anticipated for any reported value for this compound

Analyte & Samples(s) Qualified:**Chlorine, Residual**

16E0492-01[MW-103], B149068-BSD1, B149068-DUP1, B149068-MS1

SW-846 8260C

Qualifications:**L-04**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits Reported value for this compound is likely to be biased on the low side

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

16E0492-01[MW-103], B149152-BLK1, B149152-BS1, B149152-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits RPD between the two LFB/LCS results is within method specified criteria

Analyte & Samples(s) Qualified:**cis-1,3-Dichloropropene**

B149152-BSD1

RL-07Elevated reporting limit based on lowest point in calibration
MA CAM reporting limit not met**Analyte & Samples(s) Qualified:****Carbon Disulfide**

16E0492-01[MW-103]

Methylene Chloride

16E0492-01[MW-103]

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

16E0492-01[MW-103], B149152-BLK1, B149152-BS1, B149152-BSD1

Dichlorodifluoromethane (Freon 12)

16E0492-01[MW-103], B149152-BLK1, B149152-BS1, B149152-BSD1

trans-1,3-Dichloropropene

16E0492-01[MW-103], B149152-BLK1, B149152-BS1, B149152-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

16E0492-01[MW-103], B149152-BLK1, B149152-BS1, B149152-BSD1

Z-01

Sample was transferred into a new vial prior to analysis due to the excessive amount of sediment present.

Analyte & Samples(s) Qualified:

16E0492-01[MW-103]

SW-846 8270D

Qualifications:**RL-07**

Elevated reporting limit based on lowest point in calibration.
MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:**Hexachlorobenzene**

16E0492-01[MW-103]

Hexachlorobutadiene

16E0492-01[MW-103]

Pentachlorophenol

16E0492-01[MW-103]

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**4-Nitrophenol**

16E0492-01[MW-103], B149015-BLK1, B149015-BS1, B149015-BSD1

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SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed

SW-846 8100 Modified

TPH (C9-C36) is quantitated against a calibration made with a diesel standard

SW-846 8260C

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane

SW-846 8270D

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete



Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Bromochloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1	L-04, V-05	SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1	V-05	SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,4-Dioxane	ND	5.0	µg/L	1	V-16	SW-846 8260C	5/13/16	5/15/16 0:48	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Sample Flags: Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Hexachlorobutadiene	ND	0 50	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Isopropylbenzene (Cumene)	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Methylene Chloride	ND	5 0	µg/L	1	RL-07	SW-846 8260C	5/13/16	5/15/16 0:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Naphthalene	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
n-Propylbenzene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Styrene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1,1,2-Tetrachloroethane	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1,2,2-Tetrachloroethane	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Tetrachloroethylene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Tetrahydrofuran	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Toluene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2,3-Trichlorobenzene	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2,4-Trichlorobenzene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1,1-Trichloroethane	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,1,2-Trichloroethane	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Trichloroethylene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Trichlorofluoromethane (Freon 11)	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2,3-Trichloropropane	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,2,4-Trimethylbenzene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
1,3,5-Trimethylbenzene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Vinyl Chloride	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
m+p Xylene	ND	2 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
o-Xylene	ND	1 0	µg/L	1		SW-846 8260C	5/13/16	5/15/16 0:48	MFF
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		106	70-130					5/15/16 0:48	
1,2-Dichloroethane-d4		106	70-130					5/15/16 0:48	
Toluene-d8		91 0	70-130					5/15/16 0:48	
Toluene-d8		91 0	70-130					5/15/16 0:48	
4-Bromofluorobenzene		95 1	70-130					5/15/16 0:48	
4-Bromofluorobenzene		95 1	70-130					5/15/16 0:48	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene (low)	0.34	0.30	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Acenaphthylene (low)	ND	0.30	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Acetophenone	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Aniline	ND	5.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Anthracene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Benzo(a)anthracene (low)	ND	0.050	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Benzo(a)pyrene (low)	ND	0.10	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Benzo(b)fluoranthene (low)	0.066	0.050	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Benzo(g,h,i)perylene (low)	ND	0.50	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Benzo(k)fluoranthene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Bis(2-Ethylhexyl)phthalate	ND	2.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Chrysene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Dibenz(a,h)anthracene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
1,2-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
1,3-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
1,4-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Fluoranthene (low)	ND	0.50	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Fluorene (low)	ND	1.0	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Hexachlorobenzene	ND	2.0	µg/L	1	RL-07	SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Hexachlorobutadiene	ND	2.0	µg/L	1	RL-07	SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Hexachloroethane	ND	2.0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Indeno(1,2,3-cd)pyrene (low)	ND	0.20	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Isophorone	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2-Methylnaphthalene (low)	ND	1.0	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM

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Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Semivolatle Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Naphthalene (low)	ND	1 0	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
4-Nitrophenol	ND	10	µg/L	1	V-20	SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Pentachlorophenol	ND	2 0	µg/L	1	RL-07	SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Phenanthrene (low)	0 10	0 050	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
Phenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
Pyrene (low)	ND	1 0	µg/L	1		SW-846 8270D	5/12/16	5/16/16 12:24	CJM
1,2,4-Trichlorobenzene	ND	5 0	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	5/12/16	5/14/16 18:23	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual
2-Fluorophenol	43 9	15-110	
Phenol-d6	30 6	15-110	
Nitrobenzene-d5	66 9	30-130	
Nitrobenzene-d5 (low)	71 9	30-130	
2-Fluorobiphenyl	66 7	30-130	
2-Fluorobiphenyl (low)	71 5	30-130	
2,4,6-Tribromophenol	60 0	15-110	
p-Terphenyl-d14	68 9	30-130	
p-Terphenyl-d14 (low)	44 6	30-130	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/17/16	5/17/16 20:32	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		85.3	30-150					5/17/16 20:32	
Decachlorobiphenyl [2]		81.5	30-150					5/17/16 20:32	
Tetrachloro-m-xylene [1]		77.3	30-150					5/17/16 20:32	
Tetrachloro-m-xylene [2]		78.6	30-150					5/17/16 20:32	

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Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Sampled: 5/10/2016 08:20

Field Sample #: MW-103

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	0.23	0.20	mg/L	1		SW-846 8100 Modified	5/12/16	5/16/16 17:48	SCS
Surrogates		% Recovery		Recovery Limits	Flag/Qual				
o-Terphenyl		74.0		40-140				5/16/16 17:48	

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Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1 0	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Arsenic	2 0	0 40	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Cadmium	ND	0 50	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Chromium	0 027	0 010	mg/L	1		SW-846 6010C-D	5/16/16	5/17/16 18:44	AME
Chromium, Trivalent	ND	1 0	mg/L	1		Tri Chrome Calc	5/17/16	5/18/16 10:50	AME
Copper	11	5 0	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Iron	72	0 050	mg/L	1		SW-846 6010C-D	5/16/16	5/17/16 18:44	AME
Lead	18	1 0	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Mercury	ND	0 00010	mg/L	1		SW-846 7470A	5/17/16	5/17/16 12:57	SCB
Nickel	9 3	5 0	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Selenium	ND	5 0	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Silver	ND	0 50	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD
Zinc	25	10	µg/L	1		SW-846 6020A-B	5/17/16	5/18/16 10:50	WSD

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Project Location: 75 New St , Cambridge

Sample Description:

Work Order: 16E0492

Date Received: 5/11/2016

Field Sample #: MW-103

Sampled: 5/10/2016 08:20

Sample ID: 16E0492-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	450	10	mg/L	10		SM21-22 4500 CL B	5/16/16	5/16/16 16:15	DJM
Chlorine, Residual	0.20	0.020	mg/L	1	H-03, R-05	SM21-22 4500 CL G	5/11/16	5/11/16 22:40	AMM
Cyanide	ND	0.010	mg/L	1		SM21-22 4500 CN E	5/16/16	5/16/16 14:10	VAK
Hexavalent Chromium	ND	0.0040	mg/L	1	H-03, MS-07	SM21-22 3500 Cr B	5/11/16	5/11/16 21:00	AMM
Total Suspended Solids	560	12	mg/L	1		SM21-22 2540D	5/12/16	5/12/16 13:45	LL

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Sample Extraction Data

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]		Date
16E0492-01 [MW-103]	B149011	40 0		05/12/16

SM21-22 3500 Cr B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149062	50 0	50 0	05/11/16

SM21-22 4500 CL B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149334	100	100	05/16/16

SM21-22 4500 CL G

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149068	100	100	05/11/16

SM21-22 4500 CN E

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149394	50 0	50 0	05/16/16

Prep Method: SW-846 3005A-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149344	50 0	50 0	05/16/16

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149454	50 0	50 0	05/17/16

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149368	6 00	6 00	05/17/16

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149358	910	9 10	05/17/16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data**Prep Method: SW-846 3510C-SW-846 8100 Modified**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149003	1000	1 00	05/12/16

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149152	5	5 00	05/13/16

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149015	1000	1 00	05/12/16

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16E0492-01 [MW-103]	B149431	1 00	1 00	05/17/16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149152 - SW-846 5030B

Blank (B149152-BLK1)

Prepared: 05/13/16 Analyzed: 05/14/16

Acetone	ND	10	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	2.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							V-05
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							L-04, V-05
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.40	µg/L							
trans-1,3-Dichloropropene	ND	0.40	µg/L							V-05
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	5.0	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149152 - SW-846 5030B

Blank (B149152-BLK1)

Prepared: 05/13/16 Analyzed: 05/14/16

Naphthalene	ND	2 0	µg/L							
n-Propylbenzene	ND	1 0	µg/L							
Styrene	ND	1 0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1 0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1 0	µg/L							
Tetrachloroethylene	ND	1 0	µg/L							
Tetrahydrofuran	ND	2 0	µg/L							
Toluene	ND	1 0	µg/L							
1,2,3-Trichlorobenzene	ND	2 0	µg/L							
1,2,4-Trichlorobenzene	ND	1 0	µg/L							
1,1,1-Trichloroethane	ND	1 0	µg/L							
1,1,2-Trichloroethane	ND	1 0	µg/L							
Trichloroethylene	ND	1 0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2 0	µg/L							
1,2,3-Trichloropropane	ND	2 0	µg/L							
1,2,4-Trimethylbenzene	ND	1 0	µg/L							
1,3,5-Trimethylbenzene	ND	1 0	µg/L							
Vinyl Chloride	ND	2 0	µg/L							
m+p Xylene	ND	2 0	µg/L							
o-Xylene	ND	1 0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	26.4		µg/L	25 0		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	26.4		µg/L	25 0		106	70-130			
Surrogate: Toluene-d8	23.3		µg/L	25 0		93 0	70-130			
Surrogate: Toluene-d8	23.3		µg/L	25 0		93 0	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25 0		99 3	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25 0		99 3	70-130			

LCS (B149152-BS1)

Prepared: 05/13/16 Analyzed: 05/14/16

Acetone	113	10	µg/L	100		113	40-160			†
tert-Amyl Methyl Ether (TAME)	8 67	0 50	µg/L	10 0		86 7	70-130			
Benzene	10 2	1 0	µg/L	10 0		102	70-130			
Bromobenzene	10 9	1 0	µg/L	10 0		109	70-130			
Bromochloromethane	12 6	2 0	µg/L	10 0		126	70-130			
Bromodichloromethane	10 1	1 0	µg/L	10 0		101	70-130			
Bromoform	11 6	1 0	µg/L	10 0		116	70-130			
Bromomethane	4 97	2 0	µg/L	10 0		49 7	40-160		L-14	†
2-Butanone (MEK)	111	10	µg/L	100		111	40-160			†
tert-Butyl Alcohol (TBA)	91 9	20	µg/L	100		91 9	40-160			†
n-Butylbenzene	9 21	1 0	µg/L	10 0		92 1	70-130			
sec-Butylbenzene	10 1	1 0	µg/L	10 0		101	70-130			
tert-Butylbenzene	10 1	1 0	µg/L	10 0		101	70-130			
tert-Butyl Ethyl Ether (TBEE)	9 99	0 50	µg/L	10 0		99 9	70-130			
Carbon Disulfide	12 4	5 0	µg/L	10 0		124	70-130			
Carbon Tetrachloride	11 0	1 0	µg/L	10 0		110	70-130			
Chlorobenzene	10 4	1 0	µg/L	10 0		104	70-130			
Chlorodibromomethane	10 5	0 50	µg/L	10 0		105	70-130			
Chloroethane	9 72	2 0	µg/L	10 0		97 2	70-130			
Chloroform	9 90	2 0	µg/L	10 0		99 0	70-130			
Chloromethane	7 43	2 0	µg/L	10 0		74 3	40-160			†
2-Chlorotoluene	11 0	1 0	µg/L	10 0		110	70-130			
4-Chlorotoluene	10 8	1 0	µg/L	10 0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9 59	2 0	µg/L	10 0		95 9	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149152 - SW-846 5030B										
LCS (B149152-BS1)										
					Prepared: 05/13/16 Analyzed: 05/14/16					
1,2-Dibromoethane (EDB)	9.81	0.50	µg/L	10.0		98.1	70-130			
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Dichlorodifluoromethane (Freon 12)	4.81	2.0	µg/L	10.0		48.1	40-160			L-14, V-05 †
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105	70-130			
1,1-Dichloroethylene	9.01	1.0	µg/L	10.0		90.1	70-130			
cis-1,2-Dichloroethylene	9.60	1.0	µg/L	10.0		96.0	70-130			
trans-1,2-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130			
1,3-Dichloropropane	9.96	0.50	µg/L	10.0		99.6	70-130			
2,2-Dichloropropane	3.31	1.0	µg/L	10.0		33.1 *	70-130			L-04, V-05
1,1-Dichloropropene	9.72	0.50	µg/L	10.0		97.2	70-130			
cis-1,3-Dichloropropene	7.26	0.40	µg/L	10.0		72.6	70-130			
trans-1,3-Dichloropropene	7.58	0.40	µg/L	10.0		75.8	70-130			V-05
Diethyl Ether	10.4	2.0	µg/L	10.0		104	70-130			
Diisopropyl Ether (DIPE)	10.9	0.50	µg/L	10.0		109	70-130			
1,4-Dioxane	11.2	5.0	µg/L	100		112	40-160			V-16 †
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130			
Hexachlorobutadiene	10.4	0.50	µg/L	10.0		104	70-130			
2-Hexanone (MBK)	11.3	1.0	µg/L	100		113	40-160			†
Isopropylbenzene (Cumene)	10.6	1.0	µg/L	10.0		106	70-130			
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101	70-130			
Methyl tert-Butyl Ether (MTBE)	9.26	1.0	µg/L	10.0		92.6	70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130			
4-Methyl-2-pentanone (MIBK)	11.3	1.0	µg/L	100		113	40-160			†
Naphthalene	9.56	2.0	µg/L	10.0		95.6	70-130			
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
Styrene	10.8	1.0	µg/L	10.0		108	70-130			
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130			
1,1,1,2,2-Tetrachloroethane	9.30	1.0	µg/L	10.0		93.0	70-130			
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130			
Tetrahydrofuran	10.2	2.0	µg/L	10.0		102	70-130			
Toluene	9.97	1.0	µg/L	10.0		99.7	70-130			
1,2,3-Trichlorobenzene	9.99	2.0	µg/L	10.0		99.9	70-130			
1,2,4-Trichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130			
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130			
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130			
Trichlorofluoromethane (Freon 11)	9.20	2.0	µg/L	10.0		92.0	70-130			
1,2,3-Trichloropropane	10.5	2.0	µg/L	10.0		105	70-130			
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130			
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130			
Vinyl Chloride	7.11	2.0	µg/L	10.0		71.1	70-130			
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130			
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.4		µg/L	25.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.4		µg/L	25.0		102	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149152 - SW-846 5030B										
LCS (B149152-BS1)										
					Prepared: 05/13/16 Analyzed: 05/14/16					
Surrogate: 4-Bromofluorobenzene	26.5		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	26.5		µg/L	25.0		106	70-130			
LCS Dup (B149152-BSD1)										
					Prepared: 05/13/16 Analyzed: 05/14/16					
Acetone	110	10	µg/L	100		110	40-160	2.99	20	†
tert-Amyl Methyl Ether (TAME)	8.27	0.50	µg/L	10.0		82.7	70-130	4.72	20	
Benzene	9.56	1.0	µg/L	10.0		95.6	70-130	6.28	20	
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130	4.32	20	
Bromochloromethane	12.2	2.0	µg/L	10.0		122	70-130	3.63	20	
Bromodichloromethane	10.6	1.0	µg/L	10.0		106	70-130	4.93	20	
Bromoform	11.2	1.0	µg/L	10.0		112	70-130	3.41	20	
Bromomethane	5.55	2.0	µg/L	10.0		55.5	40-160	11.0	20	L-14 †
2-Butanone (MEK)	108	10	µg/L	100		108	40-160	2.20	20	†
tert-Butyl Alcohol (TBA)	85.6	20	µg/L	100		85.6	40-160	7.08	25	†
n-Butylbenzene	9.58	1.0	µg/L	10.0		95.8	70-130	3.94	20	
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130	0.495	20	
tert-Butylbenzene	9.58	1.0	µg/L	10.0		95.8	70-130	4.99	20	
tert-Butyl Ethyl Ether (TBEE)	10.4	0.50	µg/L	10.0		104	70-130	4.12	20	
Carbon Disulfide	11.2	5.0	µg/L	10.0		112	70-130	9.83	20	
Carbon Tetrachloride	10.7	1.0	µg/L	10.0		107	70-130	2.95	20	
Chlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	2.74	20	
Chlorodibromomethane	10.0	0.50	µg/L	10.0		100	70-130	4.96	20	
Chloroethane	8.90	2.0	µg/L	10.0		89.0	70-130	8.81	20	
Chloroform	9.92	2.0	µg/L	10.0		99.2	70-130	0.202	20	
Chloromethane	6.94	2.0	µg/L	10.0		69.4	40-160	6.82	20	L-14 †
2-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130	0.363	20	
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107	70-130	1.30	20	
1,2-Dibromo-3-chloropropane (DBCP)	8.72	2.0	µg/L	10.0		87.2	70-130	9.50	20	
1,2-Dibromoethane (EDB)	9.82	0.50	µg/L	10.0		98.2	70-130	0.102	20	
Dibromomethane	9.72	1.0	µg/L	10.0		97.2	70-130	4.82	20	
1,2-Dichlorobenzene	9.52	1.0	µg/L	10.0		95.2	70-130	5.91	20	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	2.10	20	
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.46	20	
Dichlorodifluoromethane (Freon 12)	4.87	2.0	µg/L	10.0		48.7	40-160	1.24	20	L-14, V-05 †
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130	6.38	20	
1,2-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130	2.91	20	
1,1-Dichloroethylene	8.89	1.0	µg/L	10.0		88.9	70-130	1.34	20	
cis-1,2-Dichloroethylene	9.18	1.0	µg/L	10.0		91.8	70-130	4.47	20	
trans-1,2-Dichloroethylene	10.3	1.0	µg/L	10.0		103	70-130	0.581	20	
1,2-Dichloropropane	9.88	1.0	µg/L	10.0		98.8	70-130	2.89	20	
1,3-Dichloropropane	9.42	0.50	µg/L	10.0		94.2	70-130	5.57	20	
2,2-Dichloropropane	3.60	1.0	µg/L	10.0		36.0 *	70-130	8.39	20	L-04, V-05
1,1-Dichloropropene	9.84	0.50	µg/L	10.0		98.4	70-130	1.23	20	
cis-1,3-Dichloropropene	6.94	0.40	µg/L	10.0		69.4 *	70-130	4.51	20	L-07
trans-1,3-Dichloropropene	7.57	0.40	µg/L	10.0		75.7	70-130	0.132	20	V-05
Diethyl Ether	9.48	2.0	µg/L	10.0		94.8	70-130	9.54	20	
Diisopropyl Ether (DIPE)	10.9	0.50	µg/L	10.0		109	70-130	0.184	20	
1,4-Dioxane	94.7	50	µg/L	100		94.7	40-160	16.5	20	V-16 †
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	1.05	20	
Hexachlorobutadiene	10.3	0.50	µg/L	10.0		103	70-130	0.772	20	
2-Hexanone (MBK)	112	10	µg/L	100		112	40-160	1.08	20	†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105	70-130	0.666	20	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149152 - SW-846 5030B

LCS Dup (B149152-BSD1)

Prepared: 05/13/16 Analyzed: 05/14/16

p-Isopropyltoluene (p-Cymene)	9.94	1.0	µg/L	10.0		99.4	70-130	1.50	20	
Methyl tert-Butyl Ether (MTBE)	9.19	1.0	µg/L	10.0		91.9	70-130	0.759	20	
Methylene Chloride	10.7	5.0	µg/L	10.0		107	70-130	0.374	20	
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100		115	40-160	1.32	20	†
Naphthalene	9.67	2.0	µg/L	10.0		96.7	70-130	1.14	20	
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130	1.28	20	
Styrene	10.4	1.0	µg/L	10.0		104	70-130	4.44	20	
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111	70-130	0.271	20	
1,1,2,2-Tetrachloroethane	9.12	1.0	µg/L	10.0		91.2	70-130	1.95	20	
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100	70-130	4.00	20	
Tetrahydrofuran	10.3	2.0	µg/L	10.0		103	70-130	0.586	20	
Toluene	10.3	1.0	µg/L	10.0		103	70-130	2.96	20	
1,2,3-Trichlorobenzene	10.1	2.0	µg/L	10.0		101	70-130	1.19	20	
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	2.71	20	
1,1,1-Trichloroethane	9.78	1.0	µg/L	10.0		97.8	70-130	11.1	20	
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	2.68	20	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.854	20	
Trichlorofluoromethane (Freon 11)	9.26	2.0	µg/L	10.0		92.6	70-130	0.650	20	
1,2,3-Trichloropropane	9.45	2.0	µg/L	10.0		94.5	70-130	10.7	20	
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.02	20	
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112	70-130	0.447	20	
Vinyl Chloride	7.09	2.0	µg/L	10.0		70.9	70-130	0.282	20	
m+p Xylene	20.4	2.0	µg/L	20.0		102	70-130	0.196	20	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	1.34	20	
Surrogate: 1,2-Dichloroethane-d4	25.8		µg/L	25.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.8		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.1	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		µg/L	25.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	26.6		µg/L	25.0		106	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149015 - SW-846 3510C

Blank (B149015-BLK1)

Prepared: 05/12/16 Analyzed: 05/13/16

Acenaphthene (low)	ND	0.30	µg/L							
Acenaphthylene (low)	ND	0.30	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene (low)	ND	0.20	µg/L							
Benzo(a)anthracene (low)	ND	0.050	µg/L							
Benzo(a)pyrene (low)	ND	0.10	µg/L							
Benzo(b)fluoranthene (low)	ND	0.050	µg/L							
Benzo(g,h,i)perylene (low)	ND	0.50	µg/L							
Benzo(k)fluoranthene (low)	ND	0.20	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
Chrysene (low)	ND	0.20	µg/L							
Dibenz(a,h)anthracene (low)	ND	0.20	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L							
Fluoranthene (low)	ND	0.50	µg/L							
Fluorene (low)	ND	1.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene (low)	ND	0.20	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene (low)	ND	1.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene (low)	ND	1.0	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene (low)	ND	0.050	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149015 - SW-846 3510C

Blank (B149015-BLK1)

Prepared: 05/12/16 Analyzed: 05/14/16

Phenol	ND	10	µg/L							
Pyrene (low)	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	50	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	114		µg/L	200		57.2	15-110			
Surrogate: Phenol-d6	77.1		µg/L	200		38.6	15-110			
Surrogate: Nitrobenzene-d5	83.0		µg/L	100		83.0	30-130			
Surrogate: Nitrobenzene-d5 (low)	89.5		µg/L	100		89.5	30-130			
Surrogate: 2-Fluorobiphenyl	85.4		µg/L	100		85.4	30-130			
Surrogate: 2-Fluorobiphenyl (low)	73.5		µg/L	100		73.5	30-130			
Surrogate: 2,4,6-Tribromophenol	153		µg/L	200		76.3	15-110			
Surrogate: p-Terphenyl-d14	95.4		µg/L	100		95.4	30-130			
Surrogate: p-Terphenyl-d14 (low)	76.9		µg/L	100		76.9	30-130			

LCS (B149015-BS1)

Prepared: 05/12/16 Analyzed: 05/13/16

Acenaphthene (low)	45.7	7.5	µg/L	50.0		91.4	40-140			
Acenaphthylene (low)	46.2	7.5	µg/L	50.0		92.3	40-140			
Acetophenone	40.7	10	µg/L	50.0		81.4	40-140			
Aniline	28.5	5.0	µg/L	50.0		57.0	40-140			
Anthracene (low)	46.3	5.0	µg/L	50.0		92.6	40-140			
Benzo(a)anthracene (low)	48.0	1.2	µg/L	50.0		96.0	40-140			
Benzo(a)pyrene (low)	48.6	2.5	µg/L	50.0		97.3	40-140			
Benzo(b)fluoranthene (low)	49.5	1.2	µg/L	50.0		99.0	40-140			
Benzo(g,h,i)perylene (low)	44.9	12	µg/L	50.0		89.8	40-140			
Benzo(k)fluoranthene (low)	45.6	5.0	µg/L	50.0		91.2	40-140			
Bis(2-chloroethoxy)methane	46.4	10	µg/L	50.0		92.8	40-140			
Bis(2-chloroethyl)ether	44.5	10	µg/L	50.0		89.1	40-140			
Bis(2-chloroisopropyl)ether	42.5	10	µg/L	50.0		85.0	40-140			
Bis(2-Ethylhexyl)phthalate	47.6	10	µg/L	50.0		95.2	40-140			
4-Bromophenylphenylether	44.6	10	µg/L	50.0		89.1	40-140			
Butylbenzylphthalate	48.1	10	µg/L	50.0		96.2	40-140			
4-Chloroaniline	20.4	10	µg/L	50.0		40.8	15-140			†
2-Chloronaphthalene	37.8	10	µg/L	50.0		75.5	40-140			
2-Chlorophenol	40.3	10	µg/L	50.0		80.5	30-130			
Chrysene (low)	45.8	5.0	µg/L	50.0		91.5	40-140			
Dibenz(a,h)anthracene (low)	48.0	5.0	µg/L	50.0		96.1	40-140			
Dibenzofuran	47.8	5.0	µg/L	50.0		95.5	40-140			
Di-n-butylphthalate	45.7	10	µg/L	50.0		91.4	40-140			
1,2-Dichlorobenzene	33.3	5.0	µg/L	50.0		66.6	40-140			
1,3-Dichlorobenzene	32.0	5.0	µg/L	50.0		63.9	40-140			
1,4-Dichlorobenzene	32.4	5.0	µg/L	50.0		64.7	40-140			
3,3-Dichlorobenzidine	30.3	10	µg/L	50.0		60.6	40-140			
2,4-Dichlorophenol	43.2	10	µg/L	50.0		86.3	30-130			
Diethylphthalate	45.3	10	µg/L	50.0		90.6	40-140			
2,4-Dimethylphenol	35.1	10	µg/L	50.0		70.2	30-130			
Dimethylphthalate	47.6	10	µg/L	50.0		95.1	40-140			
2,4-Dinitrophenol	44.0	10	µg/L	50.0		88.0	15-140			†
2,4-Dinitrotoluene	45.8	10	µg/L	50.0		91.5	40-140			
2,6-Dinitrotoluene	49.1	10	µg/L	50.0		98.1	40-140			
Di-n-octylphthalate	48.6	10	µg/L	50.0		97.3	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	44.6	10	µg/L	50.0		89.2	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149015 - SW-846 3510C

LCS (B149015-BS1)

Prepared: 05/12/16 Analyzed: 05/13/16

Fluoranthene (low)	50.3	12	µg/L	50.0		101	40-140			
Fluorene (low)	47.0	25	µg/L	50.0		94.0	40-140			
Hexachlorobenzene	42.7	10	µg/L	50.0		85.4	40-140			
Hexachlorobutadiene	34.0	10	µg/L	50.0		68.1	40-140			
Hexachloroethane	32.2	10	µg/L	50.0		64.4	40-140			
Indeno(1,2,3-cd)pyrene (low)	48.1	5.0	µg/L	50.0		96.2	40-140			
Isophorone	47.2	10	µg/L	50.0		94.3	40-140			
2-Methylnaphthalene (low)	57.6	25	µg/L	50.0		115	40-140			
2-Methylphenol	37.9	10	µg/L	50.0		75.8	30-130			
3/4-Methylphenol	37.6	10	µg/L	50.0		75.2	30-130			
Naphthalene (low)	37.0	25	µg/L	50.0		74.0	40-140			
Nitrobenzene	43.1	10	µg/L	50.0		86.3	40-140			
2-Nitrophenol	42.2	10	µg/L	50.0		84.4	30-130			
4-Nitrophenol	29.5	10	µg/L	50.0		59.0	15-140			V-20 †
Pentachlorophenol	36.1	10	µg/L	50.0		72.2	30-130			
Phenanthrene (low)	44.4	1.2	µg/L	50.0		88.8	40-140			
Phenol	20.8	10	µg/L	50.0		41.5	15-140			†
Pyrene (low)	46.6	25	µg/L	50.0		93.1	40-140			
1,2,4-Trichlorobenzene	36.9	5.0	µg/L	50.0		73.7	40-140			
2,4,5-Trichlorophenol	44.9	10	µg/L	50.0		89.7	30-130			
2,4,6-Trichlorophenol	44.4	10	µg/L	50.0		88.7	30-130			
Surrogate: 2-Fluorophenol	120		µg/L	200		60.0	15-110			
Surrogate: Phenol-d6	83.6		µg/L	200		41.8	15-110			
Surrogate: Nitrobenzene-d5	87.5		µg/L	100		87.5	30-130			
Surrogate: Nitrobenzene-d5 (low)	84.6		µg/L	100		84.6	30-130			
Surrogate: 2-Fluorobiphenyl	89.8		µg/L	100		89.8	30-130			
Surrogate: 2-Fluorobiphenyl (low)	69.8		µg/L	100		69.8	30-130			
Surrogate: 2,4,6-Tribromophenol	168		µg/L	200		84.0	15-110			
Surrogate: p-Terphenyl-d14	90.9		µg/L	100		90.9	30-130			
Surrogate: p-Terphenyl-d14 (low)	61.6		µg/L	100		61.6	30-130			

LCS Dup (B149015-BSD1)

Prepared: 05/12/16 Analyzed: 05/13/16

Acenaphthene (low)	43.4	7.5	µg/L	50.0		86.8	40-140	5.05	20	
Acenaphthylene (low)	43.2	7.5	µg/L	50.0		86.3	40-140	6.72	20	
Acetophenone	35.8	10	µg/L	50.0		71.5	40-140	12.9	20	
Aniline	24.8	5.0	µg/L	50.0		49.6	40-140	14.0	20	
Anthracene (low)	44.0	5.0	µg/L	50.0		88.1	40-140	4.98	20	
Benzo(a)anthracene (low)	45.4	1.2	µg/L	50.0		90.8	40-140	5.56	20	
Benzo(a)pyrene (low)	45.6	2.5	µg/L	50.0		91.2	40-140	6.47	20	
Benzo(b)fluoranthene (low)	47.6	1.2	µg/L	50.0		95.3	40-140	3.86	20	
Benzo(g,h,i)perylene (low)	45.6	12	µg/L	50.0		91.2	40-140	1.55	20	
Benzo(k)fluoranthene (low)	43.6	5.0	µg/L	50.0		87.2	40-140	4.60	20	
Bis(2-chloroethoxy)methane	39.9	10	µg/L	50.0		79.8	40-140	15.1	20	
Bis(2-chloroethyl)ether	38.6	10	µg/L	50.0		77.2	40-140	14.2	20	
Bis(2-chloroisopropyl)ether	37.3	10	µg/L	50.0		74.6	40-140	13.1	20	
Bis(2-Ethylhexyl)phthalate	43.8	10	µg/L	50.0		87.7	40-140	8.27	20	
4-Bromophenylphenylether	41.0	10	µg/L	50.0		82.0	40-140	8.39	20	
Butylbenzylphthalate	43.8	10	µg/L	50.0		87.6	40-140	9.31	20	
4-Chloroaniline	19.2	10	µg/L	50.0		38.4	15-140	6.01	20	†
2-Chloronaphthalene	34.2	10	µg/L	50.0		68.4	40-140	9.87	20	
2-Chlorophenol	35.8	10	µg/L	50.0		71.7	30-130	11.6	20	
Chrysene (low)	43.6	5.0	µg/L	50.0		87.2	40-140	4.87	20	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149015 - SW-846 3510C										
LCS Dup (B149015-BSD1)										
					Prepared: 05/12/16 Analyzed: 05/13/16					
Dibenz(a,h)anthracene (low)	46.4	5.0	µg/L	50.0		92.8	40-140	3.55	20	
Dibenzofuran	42.7	5.0	µg/L	50.0		85.4	40-140	11.2	20	
Di-n-butylphthalate	41.9	10	µg/L	50.0		83.8	40-140	8.58	20	
1,2-Dichlorobenzene	28.3	5.0	µg/L	50.0		56.7	40-140	16.1	20	
1,3-Dichlorobenzene	27.0	5.0	µg/L	50.0		54.0	40-140	16.7	20	
1,4-Dichlorobenzene	27.4	5.0	µg/L	50.0		54.8	40-140	16.6	20	
3,3-Dichlorobenzidine	27.9	10	µg/L	50.0		55.8	40-140	8.38	20	
2,4-Dichlorophenol	37.8	10	µg/L	50.0		75.6	30-130	13.3	20	
Diethylphthalate	41.4	10	µg/L	50.0		82.8	40-140	8.99	20	
2,4-Dimethylphenol	29.7	10	µg/L	50.0		59.4	30-130	16.7	20	
Dimethylphthalate	42.3	10	µg/L	50.0		84.6	40-140	11.7	20	
2,4-Dinitrophenol	39.1	10	µg/L	50.0		78.2	15-140	11.7	20	†
2,4-Dinitrotoluene	41.4	10	µg/L	50.0		82.8	40-140	10.0	20	
2,6-Dinitrotoluene	43.0	10	µg/L	50.0		86.1	40-140	13.1	20	
Di-n-octylphthalate	44.1	10	µg/L	50.0		88.3	40-140	9.68	20	
1,2-Diphenylhydrazine (as Azobenzene)	40.6	10	µg/L	50.0		81.2	40-140	9.41	20	
Fluoranthene (low)	47.8	12	µg/L	50.0		95.6	40-140	5.20	20	
Fluorene (low)	43.9	25	µg/L	50.0		87.8	40-140	6.77	20	
Hexachlorobenzene	37.6	10	µg/L	50.0		75.1	40-140	12.7	20	
Hexachlorobutadiene	30.6	10	µg/L	50.0		61.3	40-140	10.5	20	
Hexachloroethane	27.4	10	µg/L	50.0		54.9	40-140	16.0	20	
Indeno(1,2,3-cd)pyrene (low)	46.4	5.0	µg/L	50.0		92.7	40-140	3.71	20	
Isophorone	41.8	10	µg/L	50.0		83.6	40-140	12.0	20	
2-Methylnaphthalene (low)	54.8	25	µg/L	50.0		110	40-140	5.07	20	
2-Methylphenol	33.0	10	µg/L	50.0		66.0	30-130	13.9	20	
3/4-Methylphenol	33.3	10	µg/L	50.0		66.5	30-130	12.2	20	
Naphthalene (low)	35.1	25	µg/L	50.0		70.2	40-140	5.27	20	
Nitrobenzene	37.8	10	µg/L	50.0		75.7	40-140	13.1	20	
2-Nitrophenol	37.5	10	µg/L	50.0		75.0	30-130	11.8	20	
4-Nitrophenol	25.2	10	µg/L	50.0		50.4	15-140	15.8	20	V-20 †
Pentachlorophenol	32.0	10	µg/L	50.0		63.9	30-130	12.2	20	
Phenanthrene (low)	42.4	1.2	µg/L	50.0		84.8	40-140	4.61	20	
Phenol	18.4	10	µg/L	50.0		36.7	15-140	12.3	20	†
Pyrene (low)	44.6	25	µg/L	50.0		89.2	40-140	4.22	20	
1,2,4-Trichlorobenzene	32.2	5.0	µg/L	50.0		64.4	40-140	13.4	20	
2,4,5-Trichlorophenol	39.0	10	µg/L	50.0		78.1	30-130	13.9	20	
2,4,6-Trichlorophenol	38.7	10	µg/L	50.0		77.3	30-130	13.7	20	
Surrogate: 2-Fluorophenol	103		µg/L	200		51.7	15-110			
Surrogate: Phenol-d6	71.8		µg/L	200		35.9	15-110			
Surrogate: Nitrobenzene-d5	75.8		µg/L	100		75.8	30-130			
Surrogate: Nitrobenzene-d5 (low)	79.3		µg/L	100		79.3	30-130			
Surrogate: 2-Fluorobiphenyl	76.0		µg/L	100		76.0	30-130			
Surrogate: 2-Fluorobiphenyl (low)	75.9		µg/L	100		75.9	30-130			
Surrogate: 2,4,6-Tribromophenol	150		µg/L	200		75.0	15-110			
Surrogate: p-Terphenyl-d14	81.6		µg/L	100		81.6	30-130			
Surrogate: p-Terphenyl-d14 (low)	58.0		µg/L	100		58.0	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149358 - SW-846 3510C										
Blank (B149358-BLK1)										
Prepared & Analyzed: 05/17/16										
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	1.96		µg/L	2.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.86		µg/L	2.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.73		µg/L	2.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.73		µg/L	2.00		86.6	30-150			
LCS (B149358-BS1)										
Prepared & Analyzed: 05/17/16										
Aroclor-1016	0.50	0.20	µg/L	0.500		99.0	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		99.9	40-140			
Aroclor-1260	0.50	0.20	µg/L	0.500		99.4	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	1.90		µg/L	2.00		94.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.73		µg/L	2.00		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.73		µg/L	2.00		86.5	30-150			
LCS Dup (B149358-BSD1)										
Prepared & Analyzed: 05/17/16										
Aroclor-1016	0.43	0.20	µg/L	0.500		86.3	40-140	13.8	20	
Aroclor-1016 [2C]	0.43	0.20	µg/L	0.500		87.0	40-140	13.9	20	
Aroclor-1260	0.43	0.20	µg/L	0.500		86.0	40-140	14.5	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		87.9	40-140	14.4	20	
Surrogate: Decachlorobiphenyl	1.57		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.50		µg/L	2.00		75.0	30-150			
Surrogate: Tetrachloro-m-xylene	1.46		µg/L	2.00		72.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.49		µg/L	2.00		74.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149003 - SW-846 3510C										
Blank (B149003-BLK1)										
					Prepared: 05/12/16 Analyzed: 05/16/16					
TPH (C9-C36)	ND	0.20	mg/L							
Surrogate: o-Terphenyl	0.0809		mg/L	0.100		80.9	40-140			
LCS (B149003-BS1)										
					Prepared: 05/12/16 Analyzed: 05/16/16					
TPH (C9-C36)	0.714	0.20	mg/L	1.00		71.4	40-140			
Surrogate: o-Terphenyl	0.0896		mg/L	0.100		89.6	40-140			
LCS Dup (B149003-BSD1)										
					Prepared: 05/12/16 Analyzed: 05/16/16					
TPH (C9-C36)	0.651	0.20	mg/L	1.00		65.1	40-140	9.26	30	
Surrogate: o-Terphenyl	0.0832		mg/L	0.100		83.2	40-140			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149344 - SW-846 3005A										
Blank (B149344-BLK1)										
Prepared: 05/16/16 Analyzed: 05/17/16										
Chromium	ND	0 010	mg/L							
Iron	ND	0 050	mg/L							
LCS (B149344-BS2)										
Prepared: 05/16/16 Analyzed: 05/17/16										
Chromium	2 00	0 010	mg/L	2 00		100	80-120			
Iron	1 94	0 050	mg/L	2 00		96 8	80-120			
LCS Dup (B149344-BSD2)										
Prepared: 05/16/16 Analyzed: 05/17/16										
Chromium	1 96	0 010	mg/L	2 00		97 9	80-120	2 30	20	
Iron	1 94	0 050	mg/L	2 00		97 1	80-120	0 369	20	
Batch B149368 - SW-846 7470A Prep										
Blank (B149368-BLK1)										
Prepared & Analyzed: 05/17/16										
Mercury	ND	0 00010	mg/L							
LCS (B149368-BS1)										
Prepared & Analyzed: 05/17/16										
Mercury	0 00212	0 00010	mg/L	0 00200		106	80-120			
LCS Dup (B149368-BSD1)										
Prepared & Analyzed: 05/17/16										
Mercury	0 00199	0 00010	mg/L	0 00200		99 6	80-120	6 26	20	
Batch B149454 - SW-846 3005A										
Blank (B149454-BLK1)										
Prepared & Analyzed: 05/18/16										
Antimony	ND	1 0	µg/L							
Arsenic	ND	0 40	µg/L							
Cadmium	ND	0 50	µg/L							
Copper	ND	5 0	µg/L							
Lead	ND	1 0	µg/L							
Nickel	ND	5 0	µg/L							
Selenium	ND	5 0	µg/L							
Silver	ND	0 50	µg/L							
Zinc	ND	10	µg/L							
LCS (B149454-BS1)										
Prepared & Analyzed: 05/18/16										
Antimony	280	5 0	µg/L	250		112	80-120			
Arsenic	256	2 0	µg/L	250		102	80-120			
Cadmium	260	2 5	µg/L	250		104	80-120			
Copper	254	25	µg/L	250		102	80-120			
Lead	275	5 0	µg/L	250		110	80-120			
Nickel	254	25	µg/L	250		102	80-120			
Selenium	254	25	µg/L	250		102	80-120			
Silver	260	2 5	µg/L	250		104	80-120			
Zinc	262	50	µg/L	250		105	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B149454 - SW-846 3005A

LCS Dup (B149454-BSD1)

Prepared & Analyzed: 05/18/16

Antimony	281	5.0	µg/L	250		112	80-120	0.495	20	
Arsenic	256	2.0	µg/L	250		102	80-120	0.103	20	
Cadmium	261	2.5	µg/L	250		104	80-120	0.287	20	
Copper	251	25	µg/L	250		100	80-120	1.31	20	
Lead	273	5.0	µg/L	250		109	80-120	0.590	20	
Nickel	251	25	µg/L	250		100	80-120	1.37	20	
Selenium	254	25	µg/L	250		102	80-120	0.00256	20	
Silver	260	2.5	µg/L	250		104	80-120	0.0242	20	
Zinc	260	50	µg/L	250		104	80-120	1.00	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149011 - SM21-22 2540D										
Blank (B149011-BLK1)				Prepared & Analyzed: 05/12/16						
Total Suspended Solids	ND	2.5	mg/L							
LCS (B149011-BS1)				Prepared & Analyzed: 05/12/16						
Total Suspended Solids	168	10	mg/L	200		84.0	70.1-116			
Batch B149062 - SM21-22 3500 Cr B										
Blank (B149062-BLK1)				Prepared & Analyzed: 05/11/16						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B149062-BS1)				Prepared & Analyzed: 05/11/16						
Hexavalent Chromium	0.10	0.0040	mg/L	0.100		103	89.1-114			
LCS Dup (B149062-BSD1)				Prepared & Analyzed: 05/11/16						
Hexavalent Chromium	0.11	0.0040	mg/L	0.100		105	89.1-114	2.42	7.19	
Duplicate (B149062-DUP1)				Source: 16E0492-01			Prepared & Analyzed: 05/11/16			
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B149062-MS1)				Source: 16E0492-01			Prepared & Analyzed: 05/11/16			
Hexavalent Chromium	0.26	0.040	mg/L	1.00	ND	25.8	* 39-148			MS-07
Matrix Spike Dup (B149062-MSD1)				Source: 16E0492-01			Prepared & Analyzed: 05/11/16			
Hexavalent Chromium	0.27	0.040	mg/L	1.00	ND	27.1	* 39-148	4.75	9.35	MS-07
Batch B149068 - SM21-22 4500 CL G										
Blank (B149068-BLK1)				Prepared & Analyzed: 05/11/16						
Chlorine, Residual	ND	0.020	mg/L							
LCS (B149068-BS1)				Prepared & Analyzed: 05/11/16						
Chlorine, Residual	1.4	0.020	mg/L	1.23		116	88.1-128			
LCS Dup (B149068-BSD1)				Prepared & Analyzed: 05/11/16						
Chlorine, Residual	1.5	0.020	mg/L	1.23		124	88.1-128	6.34	* 5	R-05
Duplicate (B149068-DUP1)				Source: 16E0492-01			Prepared & Analyzed: 05/11/16			
Chlorine, Residual	0.22	0.020	mg/L		0.20			8.59	47.3	R-05
Matrix Spike (B149068-MS1)				Source: 16E0492-01			Prepared & Analyzed: 05/11/16			
Chlorine, Residual	6.0	0.20	mg/L	50.0	0.20	11.5	10-170			R-05

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B149334 - SM21-22 4500 CL B										
Blank (B149334-BLK1)				Prepared & Analyzed: 05/16/16						
Chloride	ND	1 0	mg/L							
LCS (B149334-BS1)				Prepared & Analyzed: 05/16/16						
Chloride	10	1 0	mg/L	10 2	101		87 5-112			
LCS Dup (B149334-BSD1)				Prepared & Analyzed: 05/16/16						
Chloride	10	1 0	mg/L	10 2	101		87 5-112	0 00	8 07	
Batch B149394 - SM21-22 4500 CN E										
Blank (B149394-BLK1)				Prepared & Analyzed: 05/16/16						
Cyanide	ND	0 010	mg/L							
LCS (B149394-BS1)				Prepared & Analyzed: 05/16/16						
Cyanide	0 67	0 010	mg/L	0 752	89 2		78 4-112			
LCS Dup (B149394-BSD1)				Prepared & Analyzed: 05/16/16						
Cyanide	0 68	0 010	mg/L	0 752	89 8		78 4-112	0 712	5 14	
Matrix Spike (B149394-MS1)				Source: 16E0492-01			Prepared & Analyzed: 05/16/16			
Cyanide	0 30	0 010	mg/L	0 350	0 0096	81 7	64 3-122			
Matrix Spike Dup (B149394-MSD1)				Source: 16E0492-01			Prepared & Analyzed: 05/16/16			
Cyanide	0 30	0 010	mg/L	0 350	0 0096	83 9	64 3-122	2 51	14 1	

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS

Lab Sample ID: B149358-BS1 Date(s) Analyzed: 05/17/2016 05/17/2016
Instrument ID (1): _____ Instrument ID (2): _____
GC Column (1): ID: _____ (mm) GC Column (2): ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.50	1
Aroclor-1260	1	0.00	0.00	0.00	0.50	
	2	0.00	0.00	0.00	0.51	3

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES**
SW-846 8082A

LCS Dup

Lab Sample ID: B149358-BSD1 Date(s) Analyzed: 05/17/2016 05/17/2016

Instrument ID (1): _____ Instrument ID (2): _____

GC Column (1): _____ ID: _____ (mm) GC Column (2): _____ ID: _____ (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.43	
	2	0.00	0.00	0.00	0.43	0
Aroclor-1260	1	0.00	0.00	0.00	0.43	
	2	0.00	0.00	0.00	0.44	2

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits
†	Wide recovery limits established for difficult compound
‡	Wide RPD limits established for difficult compound
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded
	No results have been blank subtracted unless specified in the case narrative section
H-03	Sample received after recommended holding time was exceeded
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits Reported value for this compound is likely to be biased on the low side
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits RPD between the two LFB/LCS results is within method specified criteria
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160% Recovery does not meet 70-130% criteria but does meet difficult compound criteria
MS-07	Matrix spike recovery is outside of control limits Analysis is in control based on laboratory fortified blank recovery Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated
R-05	Laboratory fortified blank duplicate RPD is outside of control limits Reduced precision is anticipated for any reported value for this compound
RL-07	Elevated reporting limit based on lowest point in calibration MA CAM reporting limit not met
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound Increased uncertainty is associated with the reported value which is likely to be biased on the low side
V-16	Response factor is less than method specified minimum acceptable value Reduced precision and accuracy may be associated with reported result
V-20	Continuing calibration did not meet method specifications and was biased on the high side Data validation is not affected since sample result was "not detected" for this compound
Z-01	Sample was transferred into a new vial prior to analysis due to the excessive amount of sediment present

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
SM21-22 3500 Cr B in Water	
Hexavalent Chromium	NY,CT,NH,RI,ME,VA,NC
SM21-22 4500 CL B in Water	
Chloride	NH,CT,MA,NY,RI,NC,ME,VA
SM21-22 4500 CL G in Water	
Chlorine, Residual	CT,MA,RI,ME
SM21-22 4500 CN E in Water	
Cyanide	CT,MA,NH,NY,RI,NC,ME,VA
SW-846 6010C-D in Water	
Chromium	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
SW-846 6020A-B in Water	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8260C in Water	

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
Acetone	CT,NY,ME,NH,VA
Acetone	CT,NH,NY,ME
tert-Amyl Methyl Ether (TAME)	NH,NY,ME
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA
Benzene	CT,NY,ME,NH,VA
Benzene	CT,NH,NY,ME
Bromobenzene	ME
Bromochloromethane	NY,ME,NH,VA
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NY,ME,NH,VA
Bromoform	CT,NH,NY,ME
Bromoform	CT,NY,ME,NH,VA
Bromomethane	CT,NY,ME,NH,VA
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NY,ME,NH,VA
2-Butanone (MEK)	CT,NH,NY,ME
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA
n-Butylbenzene	NY,ME
n-Butylbenzene	NY,ME,VA
sec-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME,VA
tert-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME,VA
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA
tert-Butyl Ethyl Ether (TBEE)	NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NY,ME,NH,VA
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NY,ME,NH,VA
Chloroethane	CT,NY,ME,NH,VA
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NY,ME,NH,VA
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NY,ME,NH,VA
2-Chlorotoluene	NY,ME,NH,VA
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME,NH,VA
4-Chlorotoluene	NY,ME
Dibromomethane	NY,ME,NH,VA
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Water</i>	
1,2-Dichlorobenzene	CT,NY,ME,NH,VA
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NY,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,ME,NH,VA
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NY,ME,NH,VA
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NY,ME,NH,VA
1,1-Dichloroethylene	CT,NY,ME,NH,VA
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NY,ME,NH,VA
1,3-Dichloropropane	NY,ME
1,3-Dichloropropane	NY,ME,VA
2,2-Dichloropropane	NY,ME,NH,VA
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NY,ME,NH,VA
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA
Diisopropyl Ether (DIPE)	NH,NY,ME
Diisopropyl Ether (DIPE)	NY,ME,NH,VA
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NY,ME,NH,VA
Hexachlorobutadiene	CT,NY,ME,NH,VA
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NY,ME,NH,VA
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME,VA
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NY,ME,NH,VA
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Naphthalene	NY,ME,NH,VA
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NY,ME,NH,VA
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NY,ME,NH,VA
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NY,ME,NH,VA
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NY,ME,NH,VA
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NY,ME,NH,VA
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NY,ME,NH,VA
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NY,ME,NH,VA
1,2,4-Trimethylbenzene	NY,ME
1,2,4-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NY,ME,NH,VA
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NY,ME,NH,VA
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NY,ME,NH,VA
SW-846 8270D in Water	
Aniline	CT,NY
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270D in Water</i>	
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	CT,NY,NH
1,3-Dichlorobenzene	CT,NY,NH
1,4-Dichlorobenzene	CT,NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenol	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016



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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Geo Insight
Address: One Mansbach Drive, Suite 201
Littleton, MA 01460
Attention: Rob Reynolds (reynolds@geoinsight.com)
Project Location: 75 New Street, Cambridge
Sampled By: A. Junoy
Project Proposal Provided? (for billing purposes)
Project PO#
Data Delivery (check all that apply)
Format: PDF EXCEL OGIS

Table with 4 main columns: Con-Test Lab ID, Client Sample ID / Description, Collection (Beginning/Ending Date/Time), and Comments. Includes handwritten entries for MW-103 and various analysis requests.

Table with 4 columns: Date/Time, Date/Time, Date/Time, Date/Time. Includes handwritten entries for signatures and dates.

Form sections: 'Is your project MCP or RCP?', 'Detection Limit Requirements', and 'Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:'

Table with 16 columns and 3 rows for sample tracking. Includes handwritten sample IDs like H, V, A, P, A, P, A, P, A, P, I, X, I, I, I, I.

***Container Code
Dissolved Metals
O Field Filtered
O Lab to Filter
***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other
**preservation
I=iced
H=HCL
M=Methanol
N=Nitric Acid
S=Sulfuric Acid
B=Sodium bisulfate
X=Na hydroxide
T=Na thiosulfate
O=Other
*Matrix Code:
GW=groundwater
WW=wastewater
DW=drinking water
A=air
S=soil/solid
SL=sludge
O=other

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
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 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: GeoInsight RECEIVED BY: JDL DATE: 5/11/2016

1) Was the chain(s) of custody relinquished and signed? Yes X No No COC Incl.
 2) Does the chain agree with the samples? Yes No X
 If not, explain: No vials received

3) Are all the samples in good condition? Yes X No
 If not, explain:

4) How were the samples received:
 On Ice X Direct from Sampling Ambient In Cooler(s) X

Were the samples received in Temperature Compliance of (2-6°C)? Yes X No N/A
 Temperature °C by Temp blank Temperature °C by Temp gun 5.9

5) Are there Dissolved samples for the lab to filter? Yes No X
 Who was notified Date Time

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No X
 Who was notified Sub Date Time

7) Location where samples are stored:
Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature:

8) Do all samples have the proper Acid pH: Yes X No N/A

9) Do all samples have the proper Base pH: Yes X No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes N/A X

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber	6		16 oz amber	
500 mL Amber			8 oz amber/clear jar	
250 mL Amber (8oz amber)			4 oz amber/clear jar	
1 Liter Plastic			2 oz amber/clear jar	
500 mL Plastic	1		Plastic Bag / Ziploc	
250 mL plastic	5		SOC Kit	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle			Flashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	

No vials received for VOCs

40 mL vials: # HCl <u> </u> # Methanol <u> </u>	Time and Date Frozen: <u> </u>
Doc# 277 # Bisulfate <u> </u> # DI Water <u> </u>	
Rev. 4 August 2013 # Thiosulfate <u> </u> Unpreserved <u> </u>	

Login Sample Receipt Checklist
(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>		<u>Comment</u>
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	F		No vials
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013 **Who notified of False statements?**
Log-In Technician Initials: JDL

Date/Time:
5/11/16 1830



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 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
 East longmeadow, MA 01028

Page of

Company Name: Geo Insight
 Address: Ove. Monarch Drive, Suite 201
Littleton, MA 01460
 Attention: Rob Reynolds (re.reynolds@geoins.com)
 Project Location: 75 New Street, Cambridge
 Sampled By: A. Insight
 Telephone: 978-679-1600
 Project # 6638
 Client PO#

DATA DELIVERY (check all that apply)
 FAX EMAIL WEBSITE
 Email: SEE ATTENTION
 Format: PDF EXCEL OGIS OTHER

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	"Matrix Code"
01	NW-103	5/12/16	5/12/16			GW

ANALYSIS REQUESTED

VOCs via 8260

SVOCs + PAHs via 8270

Silv, Arsenic, Cadmium, Copper, Lead, Methyl Lead, Mercury, Selenium, Zinc, Pb

PCB

Chloride, Chlorine

TPH

Hx Chloro, Trichloro

TRC

TSS

- **Container Code**
- A=amber glass
 - G=glass
 - P=plastic
 - ST=sterile
 - V=Vial
 - S=summa can
 - T=redlar bag
 - O=Other
- **Matrix Code:**
- GW=groundwater
 - WW=wastewater
 - DW=drinking water
 - A=air
 - S=soil/solid
 - SL=sludge
 - O=other

# of Containers	** Preservation	*** Container Code
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
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34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H = High; M = Medium; L = Low; C = Clean; U = Unknown

Is your project MCP or RCP?

MCP Form Required
 RCP Form Required
 MA State DW Form Required PWSID #

Detection Limit Requirements

Massachusetts:
 Connecticut:
 Other: RCP (1st Provided)

Turnaround

7-Day
 10-Day
 Other RUSH
 24-Hr 48-Hr
 72-Hr 1-Day
 Require lab approval

Relinquished by: (signature)	Date/Time
[Signature]	5/12/16
[Signature]	5/12/16
[Signature]	5/12/16
[Signature]	5/12/16

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

Table of Contents

NELAC & AIHA-LAP, LLC
 Accredited
 WBE/DBE Certified

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



Sample Receipt Checklist

CLIENT NAME: Geo Insight RECEIVED BY: [Signature] DATE: 5/12/16

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 6°

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: Log in
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A

9) Do all samples have the proper Base pH: Yes No N/A

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	<u>3</u>	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:
Vials received

40 mL vials: # HCl 3 # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____
 Time and Date Frozen: _____

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T	F/NA	
1) The cooler's custody seal, if present, is intact.	T		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	T		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T		
21) Samples do not require splitting or compositing.	T		


Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:

(Signature)
 5/12/16
 1545

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory		Project #: 16E0492	
Project Location: 75 New St., Cambridge		RTN:	
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] 16E0492-01			
Matrices: Water			
CAM Protocol (check all that below)			
8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B ()
7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()	8270 SVOC CAM II B (X)	7010 Metals CAM III C ()
MassDEP EPH CAM IV A ()	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A (X)	6020 Metals CAM III D (X)	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ()
6860 Perchlorate CAM VIII B ()			
Affirmative response to Questions A through F is required for "Presumptive Certainty" status			
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).		<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?		<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
A response to questions G, H and I below is required for "Presumptive Certainty" status			
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.			
H	Were all QC performance standards specified in the CAM protocol(s) achieved?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.			
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.			
Signature: _____ 		Position: Laboratory Manager	
Printed Name: Daren J. Damboragian		Date: 05/18/16	

June 1, 2017

Rob Reynolds
GeoInsight, MAO (MA)
1 Monarch Drive
Littleton, MA 01460

Project Location: 75 New St, Cambridge
Client Job Number:
Project Number: 6638
Laboratory Work Order Number: 17E0943

Enclosed are results of analyses for samples received by the laboratory on May 18, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Case", written in a cursive style.

Steven M. Case
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

GeoInsight, MAO (MA)
 1 Monarch Drive
 Littleton, MA 01460
 ATTN: Rob Reynolds

REPORT DATE: 6/1/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 6638

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17E0943

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report

PROJECT LOCATION: 75 New St, Cambridge

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-103	17E0943-01	Ground Water		SM19-22 4500 NH3 C SM21-22 2340B	
Receiving Water Body	17E0943-02	Water		EPA 200 7 EPA 200 8 EPA 245 1 SM19-22 4500 NH3 C SM21-22 2340B SM21-22 3500 Cr B Tri Chrome Calc	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report

REVISED REPORT - Additional metals reported.

For method 6010, calcium hardness by CaCO₃ was requested and reported.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St, Cambridge

Sample Description:

Work Order: 17E0943

Date Received: 5/18/2017

Field Sample #: MW-103

Sampled: 5/18/2017 12:30

Sample ID: 17E0943-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hardness	490	30	mg/L	1		SM21-22 2340B	5/22/17	5/23/17 14:02	SHN

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St, Cambridge

Sample Description:

Work Order: 17E0943

Date Received: 5/18/2017

Field Sample #: MW-103

Sampled: 5/18/2017 12:30

Sample ID: 17E0943-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ammonia as N	12	0.30	mg/L	1		SM19-22 4500 NH3 C	5/19/17	5/22/17 13:15	VAK

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St, Cambridge

Sample Description:

Work Order: 17E0943

Date Received: 5/18/2017

Field Sample #: Receiving Water Body

Sampled: 5/18/2017 11 00

Sample ID: 17E0943-02

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1 0	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Arsenic	1 1	1 0	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Cadmium	ND	0 20	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Chromium	ND	10	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Chromium, Trivalent	2 8	0 010	mg/L	1		Tri Chrome Calc	5/22/17	5/23/17 7:40	MJH
Copper	5 7	1 0	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Iron	2 0	0 050	mg/L	1		EPA 200 7	5/22/17	5/23/17 13:50	QNW
Lead	4 3	0 50	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Mercury	ND	0 00010	mg/L	1		EPA 245 1	5/22/17	5/23/17 10:34	TJK
Nickel	ND	5 0	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Selenium	ND	5 0	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Silver	ND	0 20	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Zinc	22	20	µg/L	1		EPA 200 8	5/22/17	5/23/17 6:43	MJH
Hardness	62	3 0	mg/L	1		SM21-22 2340B	5/22/17	5/23/17 14:02	SHN

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 75 New St, Cambridge

Sample Description:

Work Order: 17E0943

Date Received: 5/18/2017

Field Sample #: Receiving Water Body

Sampled: 5/18/2017 11 00

Sample ID: 17E0943-02

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Ammonia as N	0.70	0.30	mg/L	1		SM19-22 4500 NH3 C	5/19/17	5/22/17 13:15	VAK
Hexavalent Chromium	ND	0.0040	mg/L	1		SM21-22 3500 Cr B	5/18/17	5/18/17 19:00	IS

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 200.7-EPA 200.7

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17E0943-02 [Receiving Water Body]	B177417	50 0	50 0	05/22/17

Prep Method: EPA 200.8-EPA 200.8

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17E0943-02 [Receiving Water Body]	B177419	50 0	50 0	05/22/17

Prep Method: EPA 245.1-EPA 245.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17E0943-02 [Receiving Water Body]	B177404	6 00	6 00	05/22/17

SM19-22 4500 NH3 C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17E0943-01 [MW-103]	B177307	100	100	05/19/17
17E0943-02 [Receiving Water Body]	B177307	100	100	05/19/17

Prep Method: SW-846 3005A-SM21-22 2340B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17E0943-01 [MW-103]	B177424	50 0	50 0	05/22/17
17E0943-02 [Receiving Water Body]	B177424	50 0	50 0	05/22/17

SM21-22 3500 Cr B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
17E0943-02 [Receiving Water Body]	B177255	50 0	50 0	05/18/17

Prep Method: SW-846 3005A-Tri Chrome Calc.

Lab Number [Field ID]	Batch	Initial [mL]	Date
17E0943-02 [Receiving Water Body]	B177447	1 00	05/22/17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B177404 - EPA 245 1										
Blank (B177404-BLK1)				Prepared: 05/22/17 Analyzed: 05/23/17						
Mercury	ND	0 00010	mg/L							
LCS (B177404-BS1)				Prepared: 05/22/17 Analyzed: 05/23/17						
Mercury	0 00185	0 00010	mg/L	0 00200		92 7	85-115			
LCS Dup (B177404-BSD1)				Prepared: 05/22/17 Analyzed: 05/23/17						
Mercury	0 00175	0 00010	mg/L	0 00200		87 3	85-115	5 99	20	
Duplicate (B177404-DUP1)				Source: 17E0943-02			Prepared: 05/22/17 Analyzed: 05/23/17			
Mercury	ND	0 00010	mg/L		ND			NC	30	
Matrix Spike (B177404-MS1)				Source: 17E0943-02			Prepared: 05/22/17 Analyzed: 05/23/17			
Mercury	0 00183	0 00010	mg/L	0 00200	ND	91 4	75-125			
Batch B177417 - EPA 200.7										
Blank (B177417-BLK1)				Prepared: 05/22/17 Analyzed: 05/23/17						
Iron	ND	0 050	mg/L							
LCS (B177417-BS2)				Prepared: 05/22/17 Analyzed: 05/23/17						
Iron	2 20	0 050	mg/L	2 00		110	85-115			
LCS Dup (B177417-BSD2)				Prepared: 05/22/17 Analyzed: 05/23/17						
Iron	2 19	0 050	mg/L	2 00		109	85-115	0 588	20	
Batch B177419 - EPA 200 8										
Blank (B177419-BLK1)				Prepared: 05/22/17 Analyzed: 05/23/17						
Antimony	ND	1 0	µg/L							
Arsenic	ND	1 0	µg/L							
Cadmium	ND	0 20	µg/L							
Chromium	ND	10	µg/L							
Copper	ND	1 0	µg/L							
Lead	ND	0 50	µg/L							
Nickel	ND	5 0	µg/L							
Selenium	ND	5 0	µg/L							
Silver	ND	0 20	µg/L							
Zinc	ND	20	µg/L							
LCS (B177419-BS1)				Prepared: 05/22/17 Analyzed: 05/23/17						
Antimony	523	10	µg/L	500		105	85-115			
Arsenic	519	10	µg/L	500		104	85-115			
Cadmium	513	2 0	µg/L	500		103	85-115			
Chromium	494	100	µg/L	500		98 8	85-115			
Copper	498	10	µg/L	500		99 7	85-115			
Lead	526	5 0	µg/L	500		105	85-115			
Nickel	493	50	µg/L	500		98 7	85-115			
Selenium	518	50	µg/L	500		104	85-115			
Silver	477	2 0	µg/L	500		95 3	85-115			
Zinc	539	200	µg/L	500		108	85-115			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B177419 - EPA 200 8

LCS Dup (B177419-BSD1)

Prepared: 05/22/17 Analyzed: 05/23/17

Antimony	532	10	µg/L	500		106	85-115	1 71	20	
Arsenic	523	10	µg/L	500		105	85-115	0 693	20	
Cadmium	522	2 0	µg/L	500		104	85-115	1 70	20	
Chromium	500	100	µg/L	500		100	85-115	1 16	20	
Copper	506	10	µg/L	500		101	85-115	1 57	20	
Lead	539	5 0	µg/L	500		108	85-115	2 52	20	
Nickel	504	50	µg/L	500		101	85-115	2 14	20	
Selenium	532	50	µg/L	500		106	85-115	2 54	20	
Silver	481	2 0	µg/L	500		96 2	85-115	0 965	20	
Zinc	558	200	µg/L	500		112	85-115	3 46	20	

Batch B177424 - SW-846 3005A

Blank (B177424-BLK1)

Prepared: 05/22/17 Analyzed: 05/23/17

Hardness	ND	3 0	mg/L							
----------	----	-----	------	--	--	--	--	--	--	--

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B177255 - SM21-22 3500 Cr B										
Blank (B177255-BLK1)				Prepared & Analyzed: 05/18/17						
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B177255-BS1)				Prepared & Analyzed: 05/18/17						
Hexavalent Chromium	0.092	0.0040	mg/L	0.100		91.8	86.6-115			
LCS Dup (B177255-BSD1)				Prepared & Analyzed: 05/18/17						
Hexavalent Chromium	0.093	0.0040	mg/L	0.100		92.9	86.6-115	1.24	6.61	
Batch B177307 - SM19-22 4500 NH3 C										
Blank (B177307-BLK1)				Prepared: 05/19/17 Analyzed: 05/22/17						
Ammonia as N	ND	0.30	mg/L							
LCS (B177307-BS1)				Prepared: 05/19/17 Analyzed: 05/22/17						
Ammonia as N	4.9	0.30	mg/L	5.00		98.0	85.2-110			
LCS Dup (B177307-BSD1)				Prepared: 05/19/17 Analyzed: 05/22/17						
Ammonia as N	4.9	0.30	mg/L	5.00		98.0	85.2-110	0.00	8.64	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits
†	Wide recovery limits established for difficult compound
‡	Wide RPD limits established for difficult compound
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded

No results have been blank subtracted unless specified in the case narrative section

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 200.7 in Water	
Iron	CT,MA,NH,NY,RI,NC,ME,VA
EPA 200.8 in Water	
Antimony	CT,MA,NH,NY,RI,NC,ME,VA
Arsenic	CT,MA,NH,NY,RI,NC,ME,VA
Cadmium	CT,MA,NH,NY,RI,NC,ME,VA
Chromium	CT,MA,NH,NY,RI,NC,ME,VA
Copper	CT,MA,NH,NY,RI,NC,ME,VA
Lead	CT,MA,NH,NY,RI,NC,ME,VA
Nickel	CT,MA,NH,NY,RI,NC,ME,VA
Selenium	CT,MA,NH,NY,RI,NC,ME,VA
Silver	CT,MA,NH,NY,RI,NC,ME,VA
Zinc	CT,MA,NH,NY,RI,NC,ME,VA
EPA 245.1 in Water	
Mercury	CT,MA,NH,RI,NY,NC,ME,VA
SM19-22 4500 NH3 C in Water	
Ammonia as N	NY,MA,CT,RI,VA,NC,ME
SM21-22 2340B in Water	
Hardness	CT,MA,NH,NY,RI
SM21-22 3500 Cr B in Water	
Hexavalent Chromium	NY,CT,NH,RI,ME,VA,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

39 Spruce St.
 East Longmeadow, MA. 01028
 P: 413-525-2332
 F: 413-525-6405
 www.contestlabs.com



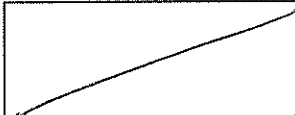
Sample Receipt Checklist

CLIENT NAME: GeoInsight RECEIVED BY: RF DATE: 5/18/17

- 1) Was the chain(s) of custody relinquished and signed? Yes No No COC Incl.
- 2) Does the chain agree with the samples? Yes No
 If not, explain: _____
- 3) Are all the samples in good condition? Yes No
 If not, explain: _____

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)
 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ # _____ Temperature °C by Temp gun 5°C # 2

- 5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____
- 6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified Jma Date 5/18 Time 1730

7) Location where samples are stored:  Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

- 8) Do all samples have the proper Acid pH: Yes No N/A
- 9) Do all samples have the proper Base pH: Yes No N/A
- 10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes N/A

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	<u>12</u>	SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl _____ # Methanol _____ Time and Date Frozen: _____
 Doc# 277 # Bisulfate _____ # DI Water _____
 Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____

Login Sample Receipt Checklist
 (Rejection Criteria Listing - Using Sample Acceptance Policy)
 Any False statement will be brought to the attention of Client

Question	Answer (True/False)		Comment
	T	F/NA	
1) The cooler's custody seal, if present, is intact.		NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.		NA	
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.		NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.		NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.		NA	
21) Samples do not require splitting or compositing.	T		

Doc #277 Rev. 4 August 2013

Who notified of False statements?
 Log-In Technician Initials:

Date/Time:
 Date/Time:

RLF 5/18/17 1705



ATTACHMENT F
MADEP CORRESPONDENCE



Timothy W. Maus

From: Vakalopoulos, Catherine (DEP) <Catherine.Vakalopoulos@MassMail.State.MA.US>
Sent: Thursday, May 25, 2017 2:19 PM
To: Timothy W. Maus
Cc: Robert C. Reynolds
Subject: RE: Request for Low-Flow 7Q10 and Dilution Factor Confirmation - EPA RGP NOI

Hi Timothy,

Thanks for the additional information that you provided this morning. I have confirmed that the 7Q10 of 0.195 MGD and dilution factor of 2.4 are correct.

Regards,
Cathy

From: Timothy W. Maus [mailto:twmaus@geoinc.com]
Sent: Thursday, May 25, 2017 11:11 AM
To: Vakalopoulos, Catherine (DEP)
Cc: Robert C. Reynolds
Subject: RE: Request for Low-Flow 7Q10 and Dilution Factor Confirmation - EPA RGP NOI

Good Morning Cathy,

Thank you for taking the time to review the flow path and provide comments. In hind sight, I can see where the map I provided lacked some important information. I've attached an updated figure showing the apparent flow path from the stormwater outfall to the Little River. I've also attached the same map without the flow path to better depict the channel connecting the larger of the two stormwater retention ponds to the Little River. If you have any additional questions or concerns, please let me know.

Regards,

Timothy W. Maus, P.G.
GeoInsight, Inc.
One Monarch Drive, Suite 201
Littleton, MA 01460
Tel: (978) 679-1600 ext. 414
Fax: (978) 679-1601
www.geoinsight.com

Environmental Strategy & Engineering
Practical in Nature

From: Vakalopoulos, Catherine (DEP) [mailto:Catherine.Vakalopoulos@MassMail.State.MA.US]
Sent: Wednesday, May 24, 2017 7:03 PM
To: Timothy W. Maus <twmaus@geoinc.com>
Subject: RE: Request for Low-Flow 7Q10 and Dilution Factor Confirmation - EPA RGP NOI

Hi Timothy,

I appreciate the flow path that you included in the attached diagram but please provide additional information as to where the water goes after the stormwater outfall. I can see a channel connecting the two stormwater retention ponds in the photo below however it's not clear to me how the stormwater reaches the Little River, via the surface or infiltration (or both).

Thanks,
Cathy



Cathy Vakalopoulos, Massachusetts Department of Environmental Protection
1 Winter St., Boston, MA 02108, 617-348-4026

 Please consider the environment before printing this e-mail

From: Timothy W. Maus [<mailto:twmaus@geoinc.com>]
Sent: Wednesday, May 24, 2017 1:09 PM
To: Vakalopoulos, Catherine (DEP)
Cc: Robert C. Reynolds
Subject: Request for Low-Flow 7Q10 and Dilution Factor Confirmation - EPA RGP NOI

Good Afternoon,

Per the requirements of 2017 EPA Remediation General Permit (RGP), could you please confirm the low flow 7Q10 for waterbody segment MA71-04 in Cambridge, MA and the below dilution factor calculation. I have attached the StreamStat Low-Flow Statistics Flow Report for the approximate location and associated basin where discharge under the RGP is proposed and provided the dilution factor calculation below. Treated effluent from the project site (75 and 83 New Street, Cambridge, MA) is proposed to be discharged into storm drains located near the Property. The storm drain system carries water from the project site approximately 1 mile to the northeast before discharging to a storm water outfall which drains to segment MA71-04. A figure showing the flow path of the treated effluent and discharge point is attached for reference. If you have any questions or require any additional information, please do not hesitate to contact me.

The DF was calculated using the following equation: $DF = (Q_S + Q_D)/Q_D$

Where:

Q_S = Receiving water 7Q10 flow where 7Q10 is the minimum flow for 7 consecutive days with a recurrence interval of 10 years. The estimated 7Q10 flow (Q_S) for segment MA71-04 (from USGS Streamstats data) is **0.195 million gallons per day (MGD)**.

Q_D = Estimated Maximum Flow = 100 gpm x 60 min/hr x 24 hr/day = 60,000 GPD or **0.144 MGD**

Maximum Flow DF: $(0.195 + 0.144)/0.144 = 2.4$

Regards,

Timothy W. Maus, P.G.

GeoInsight, Inc.

One Monarch Drive, Suite 201

Littleton, MA 01460

Tel: (978) 679-1600 ext. 414

Fax: (978) 679-1601

www.geoinsight.com

Environmental Strategy & Engineering

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ATTACHMENT G

USEPA APPENDIX V DILUTION FACTOR AND QBEL SPREADSHEET



APPENDIX G
 DILUTION FACTOR AND WQBEL SPREADSHEET
 PARK 77
 75 AND 83 NEW STREET
 CAMBRIDGE, MASSACHUSETTS

Enter number values in green boxes below

Enter values in the units specified

↓	
0.195	Q_R = Enter upstream flow in MGD
0.144	Q_P = Enter discharge flow in MGD
0	Downstream 7Q10

Enter a dilution factor, if other than zero

↓
2.4

Enter values in the units specified

↓	
490	C_d = Enter influent hardness in mg/L $CaCO_3$
62	C_s = Enter receiving water hardness in mg/L $CaCO_3$

Enter **receiving water** concentrations in the units specified

↓	
7.6	pH in Standard Units
22.07	Temperature in °C
0.7	Ammonia in mg/L
62	Hardness in mg/L $CaCO_3$
0	Salinity in ppt
0	Antimony in µg/L
1.1	Arsenic in µg/L
0	Cadmium in µg/L
2,800	Chromium III in µg/L
0	Chromium VI in µg/L
5.7	Copper in µg/L
2,000	Iron in µg/L
4.3	Lead in µg/L
0	Mercury in µg/L
0	Nickel in µg/L
0	Selenium in µg/L
0	Silver in µg/L
22	Zinc in µg/L

Notes:

Freshwater: Q_R equal to the 7Q10; enter alternate Q_R if approved by the State; enter 0 if no dilution factor approved

Saltwater (estuarine and marine): enter Q_R if approved by the State; enter 0 if no entry

Discharge flow is equal to the design flow or 1 MGD, whichever is less

Only if approved by State as the entry for Q_R ; leave 0 if no entry

Saltwater (estuarine and marine): only if approved by the State

Leave 0 if no entry

Freshwater only

pH, temperature, and ammonia required for all discharges

Hardness required for freshwater

Salinity required for saltwater (estuarine and marine)

Metals required for all discharges if present and if dilution factor is > 1

Enter 0 if non-detect or testing not required

APPENDIX G
 DILUTION FACTOR AND WQBEL SPREADSHEET
 PARK 77
 75 AND 83 NEW STREET
 CAMBRIDGE, MASSACHUSETTS

Enter **influent** concentrations in the units specified



200	TRC in µg/L
12	Ammonia in mg/L
0	Antimony in µg/L
2	Arsenic in µg/L
0	Cadmium in µg/L
0	Chromium III in µg/L
0	Chromium VI in µg/L
11	Copper in µg/L
72,000	Iron in µg/L
18	Lead in µg/L
0	Mercury in µg/L
9.3	Nickel in µg/L
0	Selenium in µg/L
0	Silver in µg/L
25	Zinc in µg/L
0	Cyanide in µg/L
0	Phenol in µg/L
0	Carbon Tetrachloride in µg/L
0	Tetrachloroethylene in µg/L
0	Total Phthalates in µg/L
0	Diethylhexylphthalate in µg/L
0	Benzo(a)anthracene in µg/L
0	Benzo(a)pyrene in µg/L
0.066	Benzo(b)fluoranthene in µg/L
0	Benzo(k)fluoranthene in µg/L
0	Chrysene in µg/L
0	Dibenzo(a,h)anthracene in µg/L
0	Indeno(1,2,3-cd)pyrene in µg/L
0	Methyl-tert butyl ether in µg/L

if >1 sample, enter maximum

if >10 samples, may enter 95th percentile

Enter 0 if non-detect or testing not required

APPENDIX G
DILUTION FACTOR AND WQBEL SPREADSHEET
PARK 77
75 AND 83 NEW STREET
CAMBRIDGE, MASSACHUSETTS

Dilution Factor	2.4					
A. Inorganics	TBEL applies if bolded		WQBEL applies if bolded		Compliance Level applies if shown	
Ammonia	Report	mg/L	---			
Chloride	Report	µg/L	---			
Total Residual Chlorine	0.2	mg/L	26	µg/L	50	µg/L
Total Suspended Solids	30	mg/L	---			
Antimony	206	µg/L	1507	µg/L		
Arsenic	104	µg/L	22	µg/L		
Cadmium	10.2	µg/L	0.5238	µg/L		
Chromium III	323	µg/L	178.8	µg/L		
Chromium VI	323	µg/L	26.9	µg/L		
Copper	242	µg/L	39.3	µg/L		
Iron	5000	µg/L	1000	µg/L		
Lead	160	µg/L	17.47	µg/L		
Mercury	0.739	µg/L	2.13	µg/L		
Nickel	1450	µg/L	261.0	µg/L		
Selenium	235.8	µg/L	11.8	µg/L		
Silver	35.1	µg/L	41.3	µg/L		
Zinc	420	µg/L	570.4	µg/L		
Cyanide	178	mg/L	12.2	µg/L	---	µg/L
B. Non-Halogenated VOCs						
Total BTEX	100	µg/L	---			
Benzene	5.0	µg/L	---			
1,4 Dioxane	200	µg/L	---			
Acetone	7970	µg/L	---			
Phenol	1,080	µg/L	706	µg/L		
C. Halogenated VOCs						
Carbon Tetrachloride	4.4	µg/L	3.8	µg/L		
1,2 Dichlorobenzene	600	µg/L	---			
1,3 Dichlorobenzene	320	µg/L	---			
1,4 Dichlorobenzene	5.0	µg/L	---			
Total dichlorobenzene	---	µg/L	---			
1,1 Dichloroethane	70	µg/L	---			
1,2 Dichloroethane	5.0	µg/L	---			
1,1 Dichloroethylene	3.2	µg/L	---			
Ethylene Dibromide	0.05	µg/L	---			
Methylene Chloride	4.6	µg/L	---			
1,1,1 Trichloroethane	200	µg/L	---			
1,1,2 Trichloroethane	5.0	µg/L	---			
Trichloroethylene	5.0	µg/L	---			
Tetrachloroethylene	5.0	µg/L	7.8	µg/L		
cis-1,2 Dichloroethylene	70	µg/L	---			
Vinyl Chloride	2.0	µg/L	---			
D. Non-Halogenated SVOCs						
Total Phthalates	190	µg/L	---	µg/L		
Diethylhexyl phthalate	101	µg/L	5.2	µg/L		
Total Group I Polycyclic Aromatic Hydrocarbons	1.0	µg/L	---			
Benzo(a)anthracene	1.0	µg/L	0.0089	µg/L	---	µg/L
Benzo(a)pyrene	1.0	µg/L	0.0089	µg/L	---	µg/L

APPENDIX G
DILUTION FACTOR AND WQBEL SPREADSHEET
PARK 77
75 AND 83 NEW STREET
CAMBRIDGE, MASSACHUSETTS

Benzo(b)fluoranthene	1.0	µg/L	0.0089	µg/L	0.1	µg/L
Benzo(k)fluoranthene	1.0	µg/L	0.0089	µg/L	---	µg/L
Chrysene	1.0	µg/L	0.0089	µg/L	---	µg/L
Dibenzo(a,h)anthracene	1.0	µg/L	0.0089	µg/L	---	µg/L
Indeno(1,2,3-cd)pyrene	1.0	µg/L	0.0089	µg/L	---	µg/L
Total Group II Polycyclic						
Aromatic Hydrocarbons	100	µg/L	---			
Naphthalene	20	µg/L	---			
E. Halogenated SVOCs						
Total Polychlorinated Biphenyls	0.000064	µg/L	---		0.5	µg/L
Pentachlorophenol	1.0	µg/L	---			
F. Fuels Parameters						
Total Petroleum Hydrocarbons	5.0	mg/L	---			
Ethanol	Report	mg/L	---			
Methyl-tert-Butyl Ether	70	µg/L	47	µg/L		
tert-Butyl Alcohol	120	µg/L	---			
tert-Amyl Methyl Ether	90	µg/L	---			