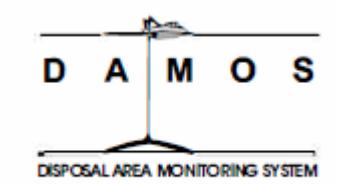
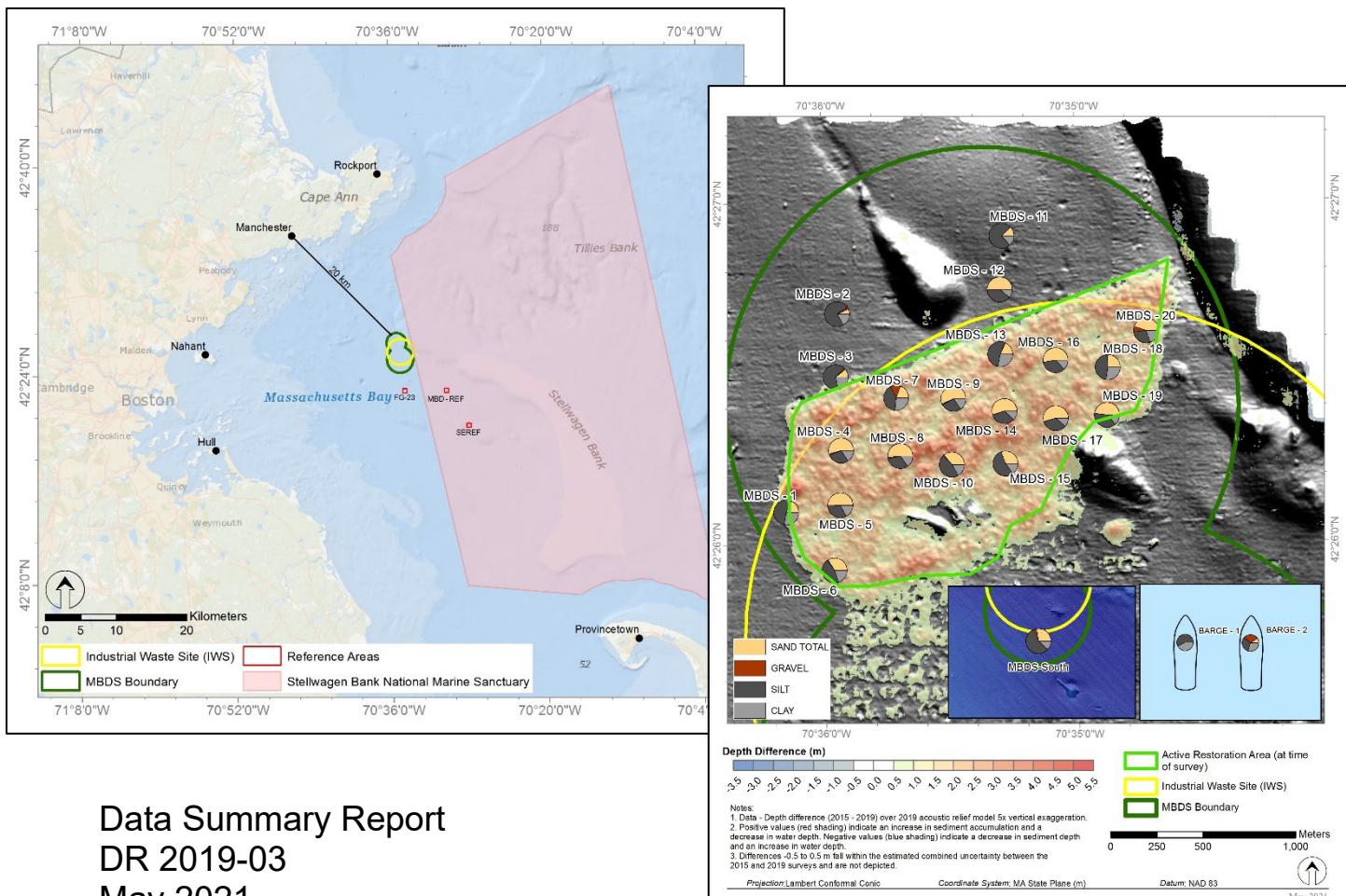


Data Summary Report for the Sediment Grab Sampling Survey at the Massachusetts Bay Disposal Site

June 2019

Disposal Area Monitoring System DAMOS



**US Army Corps
of Engineers®**
New England District

**DATA SUMMARY REPORT FOR THE
SEDIMENT GRAB SAMPLING SURVEY AT THE
MASSACHUSETTS BAY DISPOSAL SITE
JUNE 2019**

**DATA REPORT # 2019-03
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12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited		12b. DISTRIBUTION CODE	
13. ABSTRACT The Massachusetts Bay Disposal Site (MBDS) is receiving dredged material from the Boston Harbor Navigation Improvement Project to restore a portion of the historic Industrial Waste Site (IWS) through the sequential placement of dredged material. The 2019 sediment grab survey was designed to assess the effectiveness of the targeted placement technique through the testing of recently placed dredged materials compared to samples from material that has not yet been placed and to sediment outside of the active restoration area. The results from this survey help to determine if the restoration technique is effective and/or if additional materials are needed to cover potentially hazardous materials. Sediment grab samples were collected from four areas; barge, background, restoration berm, and outside the active restoration berm. Barge samples were collected from disposal scows hauling dredged sediment from Boston Harbor to MBDS, background samples were collected from an area within MBDS with no identified waste containers or dredged material disposals, restoration berm samples were collected from an area that is actively receiving dredged materials as part of the IWS restoration, and samples from outside of the active restoration berm is an area with known waste containers that has not yet been restored. Sediment samples were analyzed for grain size, total organic carbon, total metals, and radionuclides. Total metals concentrations from MBDS samples were compared to the associated effects range low (ER-L) and effects range medium (ER-M) screening values (Long et al. 1995). Radionuclide data were compared to the average method detection limit (MDL), average barge sample results, and to the available Radionuclides of Interest (ROI) background values for New England. All of the ROI values in the June 2019 sediment sampling study were within the background concentration range for New England.			
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Note on units of this report: As a scientific contribution, information and data are presented in the metric system. However, given the prevalence of English units in the dredging industry of the United States, conversions to English units are provided for the general information in Section 1. A table of common conversions can be found in Appendix A.

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LIST OF ACRONYMS AND ABBREVIATIONS

Ac	Actinium
Am	Americium
As	Arsenic
AUV	Autonomous Underwater Vehicle
Cd	Cadmium
cm	centimeters
Co	Cobalt
Cr	Chromium
Cs	Cesium
Cu	Copper
DAMOS	Disposal Area Monitoring System
DGPS	differential GPS
ER-L	Effects Range Low
ER-M	Effects Range Medium
GPS	Global Positioning System
GM	Geiger Mueller
Hg	Mercury
I	Iodine
IWS	Industrial Waste Site
KAS	Katahdin Analytical Services
km	kilometer
LCS	Laboratory Control Sample
MB	Method Blank
MBDS	Massachusetts Bay Disposal Site
MDL	method detection limit
ME	Maine
Mn	Manganese
m	meter

LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

m ²	square meter
m ³	cubic meter
NA	Not Applicable
NaI	Sodium Iodide
NAD 83	North American Datum of 1983
NAE	USACE, New England District
Ni	Nickel
nmi	nautical miles
NORM	naturally occurring radioactive material
ODMDS	Ocean Dredged Material Disposal Site
PAH	Polycyclic Aromatic Hydrocarbons
Pb	Lead
pCi/g	picocuries per gram
PCB	Polychlorinated Biphenyls
Pu	Plutonium
QAPP	Quality Assurance Project Plan
QC	Quality Control
Ra	Radium
RIM	Regional Implementation Manual
ROI	Radionuclide of Interest
ROV	Remotely Operated Vehicle
R/V	Research Vessel
SAIC	Science Applications International Corporation
SC	South Carolina
SOPs	Standard Operating Procedures
SPI	Sediment Profile Imagery
Sr	Strontium
TOC	Total Organic Carbon
U	Uranium

LIST OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

U.S.	United States
USACE	U.S. Army Corps of Engineers
USEPA	United States Environmental Protection Agency
Zn	Zinc

1.0 INTRODUCTION

A sediment grab sampling study was conducted at the Massachusetts Bay Disposal Site (MBDS) (the site) in June 2019 as part of the United States Army Corps of Engineers (USACE) New England District (NAE) Disposal Area Monitoring System (DAMOS) Program. The survey focused on a portion of the site's newly expanded boundary which encompasses the historic Industrial Waste Site (IWS). DAMOS is a comprehensive monitoring and management program designed and conducted to address environmental concerns surrounding the placement of dredged material at aquatic disposal sites throughout the New England region. This data report includes an overview of the DAMOS Program and a description of MBDS, including a brief description of recent dredged material disposal activities, and study objectives, methods, and results for the June 2019 sediment grab sampling study.

1.1 Overview of the DAMOS Program

The DAMOS Program features a tiered management protocol designed to ensure that any potential adverse environmental impacts associated with dredged material disposal are promptly identified and addressed ([Germano et al., 1994](#)). For over 40 years, under the DAMOS Program, dredged material disposal site data throughout New England has been collected and evaluated. Based on these data, patterns of physical, chemical, and biological responses of seafloor environments to dredged material placement activity have been documented along with the evaluation of any impacts to water quality ([Fredette and French, 2004](#)).

DAMOS monitoring surveys fall into two general categories: confirmatory studies and focused studies. The data collected and evaluated during these studies provide answers to strategic questions in determining next steps in the disposal site management process. DAMOS monitoring results guide the management of disposal activities at existing sites, support planning for use of future sites, and evaluate the long-term status of historical sites ([Wolf et al., 2012](#)).

Confirmatory studies are designed to test hypotheses related to expected physical and ecological response patterns following placement of dredged material on the seafloor at established, active disposal sites. The primary goals of DAMOS confirmatory surveys are to document the physical location and stability of dredged material placed into the aquatic environment and to evaluate the biological recovery of the benthic community following placement of the dredged material. Several survey techniques are employed in order to characterize these responses to dredged material placement, including acoustic monitoring and Sediment Profile Imagery (SPI).

Focused studies are periodically undertaken within the DAMOS Program to evaluate candidate sites, to establish baseline surveys at new sites, to evaluate inactive/historical

disposal sites, and to contribute to the development of dredged material placement and capping techniques. Focused DAMOS monitoring surveys often feature additional types of data collection activities as deemed appropriate to achieve specific survey objectives, such as grab sampling of sediment for chemical, physical, and biological analysis, sub-bottom profiling, sediment coring, towed video, or video collection via a remotely operated vehicle (ROV).

The survey conducted during this event was a focused study involving sediment grab sampling of an active dredged material disposal site.

1.2 Massachusetts Bay Disposal Site Background

The MBDS is located approximately 20 kilometers (km) (10.8 nautical miles [nmi]) southeast of Manchester, Massachusetts, centrally located within Massachusetts Bay and situated adjacent to the Stellwagen Bank National Marine Sanctuary ([Figure 1-1](#)). Although MBDS was formally designated as an Ocean Dredged Material Disposal Site (ODMDS) by the United States Environmental Protection Agency (USEPA) in 1993 ([USEPA, 1992; USEPA, 1993; USEPA/USACE, 2009](#)), disposal of a range of materials in the vicinity of MBDS likely dates back to the early 1900s ([USEPA, 2018](#)).

The historic IWS is an area partially overlapping the northern portion of MBDS ([Figure 1-2](#)) that received dredged material, construction debris, and industrial waste until its closure in 1977. Between the 1940s and 1959 the IWS was also an Atomic Energy Commission approved disposal site for containerized low-level radioactive wastes ([USACE, 2015](#)). Previous investigations performed at the IWS revealed that waste containers remained exposed on the seafloor but, based on studies of radiation levels in area, USEPA concluded that the containers do not pose a significant danger to human health or the environment ([USEPA, 2018](#)). However, in an effort to prevent the potential release of hazardous materials and restore the seafloor within the IWS the USACE and USEPA developed an approach to beneficially use dredged material to cover the exposed waste containers ([USACE, 2015](#) and [USEPA, 2018](#)).

In 2018, the USEPA expanded the boundary of MBDS to include a portion of the IWS with a high density of exposed waste containers and allow for placement of dredged material from the Boston Harbor Navigation Improvement Project to restore this area of the seafloor. The newly expanded MBDS, which includes a portion of the historic IWS, is approximately 15.8 km² (4.6 nmi²) in size, centered at 42°25.55'N, 70°35.13'W (NAD 83, [Figure 1-2](#)). A complete summary of the IWS history, previous investigations, and a description of the restoration approach can be found in [USEPA \(2018\)](#) and [USACE \(2015\)](#).

1.3 Previous Surveys at MBDS

The site has been the subject of extensive monitoring activities dating from the designation of the site in 1993 through the present ([Table 1-1](#)). Most recently in 2019, an

acoustic monitoring survey was conducted under the DAMOS Program, with support from USEPA, to track recent dredged material placement activity and to determine the thickness of the newly formed sediment berm in the restoration area. High-resolution side-scan sonar data was also collected using an Autonomous Underwater Vehicle (AUV) to quantify the remaining uncovered waste containers at the site and provide additional information about the seafloor topography. Additional bathymetric surveys were performed in 2018 and 2019 to track recent placement of dredged material. The results of these surveys will be presented in a subsequent DAMOS monitoring report.

1.4 Recent Dredged Material Disposal Activity

Since the last acoustic survey of the full site in 2015 approximately 43,500 m³ (56,900 yd³) of material from small dredging projects were placed within the original boundary of MBDS ([Table 1-2](#) and [Figure 1-3](#)). In 2017, over 1.5 million (m³) (2 million yd³) of dredged material was also placed within the northern portion of the original MBDS boundary from the maintenance dredging of Boston Harbor (outside of the active restoration area).

As part of the IWS restoration project close to 7.0 million m³ (9.1 million yd³) of dredged material from the Boston Harbor Navigation Improvement Project have been deposited over the active restoration area within the expanded MBDS (Table 1-2, Figure 1-3, Appendix B) between the start of the project in 2018 and the June 2019 sampling survey. [Figure 1-3](#) displays recent disposal events over the 2015-2019 bathymetric depth differencing model to provide information on the thickness of the recently formed sediment berm relative to the target placement points in the restoration area.

1.5 Study Objectives

The MBDS is receiving dredged material from the Boston Harbor Navigation Improvement Project to restore a portion of the historic IWS through the sequential placement of dredged material. The 2019 sediment grab survey was designed to assess the effectiveness of the targeted placement technique through the testing of recently placed dredged materials compared to samples from material that has not yet been placed (barge samples) and to sediment outside of the active restoration area. The results from this survey will help to determine if the restoration technique is effective and/or if additional materials are needed to cover potentially hazardous materials.

The specific objective of the June 2019 survey was to characterize the surficial sediment over the active restoration area through the collection of sediment grab samples. Two dredged material background samples were collected from Boston Harbor Navigation Improvement Project disposal scows and one sample was collected in the southern portion of the MBDS which is not currently undergoing restoration. All samples were evaluated for radiological makeup, chemical concentrations, and physical composition.

Table 1-1.
Previous Surveys at MBDS since 1993

Year	Survey Type	Bathymetric Survey (m x m)	No. SPI Stations	Other	Contribution #	Citation
Sept 1993	Baseline of reconfigured site	4000 x 4075 single beam	-	Grain size, metals, polycyclic aromatic hydrocarbons (PAHs), pesticides, polychlorinated biphenyls (PCBs), total organic carbon (TOC) (26 grabs)	115	DeAngelo and Murray, 1997
Aug 1994	Periodic site monitoring		76		116	SAIC, 1997a
Sept 1998	Demonstration area-baseline	800 x 800 single beam	91	Grain size, color, consistency, other (13 grabs), side-scan	147	SAIC, 2003
Dec 1998	Demonstration area-single barge	800 x 800 single beam	82	Side-scan	147	SAIC, 2003
March 1999	Pre-placement demonstration	800 x 800 single beam	30	Grain size, color, consistency, other (13), side-scan	147	SAIC, 2003
Sept 2000	Post-placement demonstration	800 x 800 single beam	33	Grain size, tracers, side-scan, sediment cores (12)	147	SAIC, 2003
Aug-Oct 2000	Periodic site monitoring	2400 x 2400 single beam	39		134	SAIC, 2002
Sept 2004	Periodic site monitoring	2400 x 2400 multibeam	45		162	ENSR, 2005
Aug 2007	Periodic site monitoring	2100 x 3200 multibeam	63	Grain size, moisture content, and Atterberg limits, box cores	181	AECOM, 2010
Sept 2012	Periodic site monitoring	2000 x 3000 multibeam	48		195	Carey et al., 2013
Sept/Oct 2015	Periodic site monitoring	4000 x 4000 multibeam	45	ROV survey	201	Sturdivant et al., 2017
August 2018	Limited acoustic survey	1700 x 500 multibeam	-		Cruise Report, 2018-1	AECOM, 2018
October 2018	Limited acoustic survey	2200 x 500 multibeam	-		Cruise Report, 2018-2	AECOM, 2018
March 2019	Limited acoustic survey	2300 x 400 multibeam	-		Cruise Report, 2019-3	AECOM, 2019
June 2019	Post-disposal monitoring	4000 x 4000 multibeam	-	AUV side-scan sonar survey	Data Report, 2019-2	AECOM, 2021

Table 1-2.
Summary of Recent Disposal at MBDS

Project	Disposal Year	Volume (yd³)	Volume (m³)	Project Location
Cottage Park Yacht Club	2015	7,378	5,641	Mound I
Cottage Park Yacht Club	2016	2,122	1,622	Mound I
Salem Wharf	2016	13,565	10,371	Mound I
Quincy Shipyard	2016	29,109	22,255	Mound I
Quincy Shipyard	2017	4,079	3,119	Mound I
Eversource Energy	2017	627	479	Mound I
Boston Harbor Maintenance	2017	2,002,808	1,531,257	MBDS
Boston Harbor Improvement	2018	3,740,985	2,860,189	Expanded MBDS
Boston Harbor Improvement	2019	3,345,423	2,557,760	Expanded MBDS
Total		9,146,096	6,992,693	

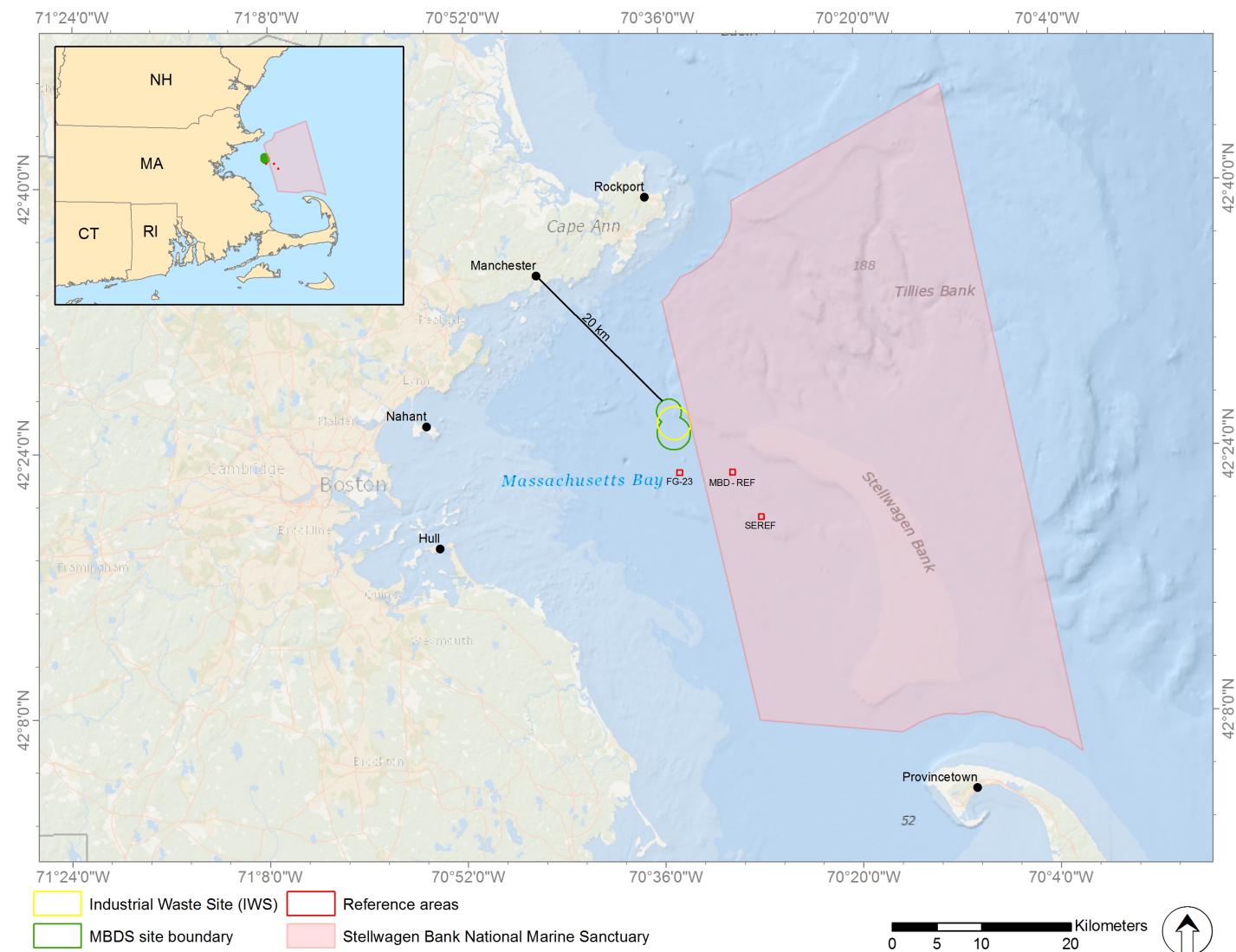


Figure 1-1. Location of Massachusetts Bay Disposal Site

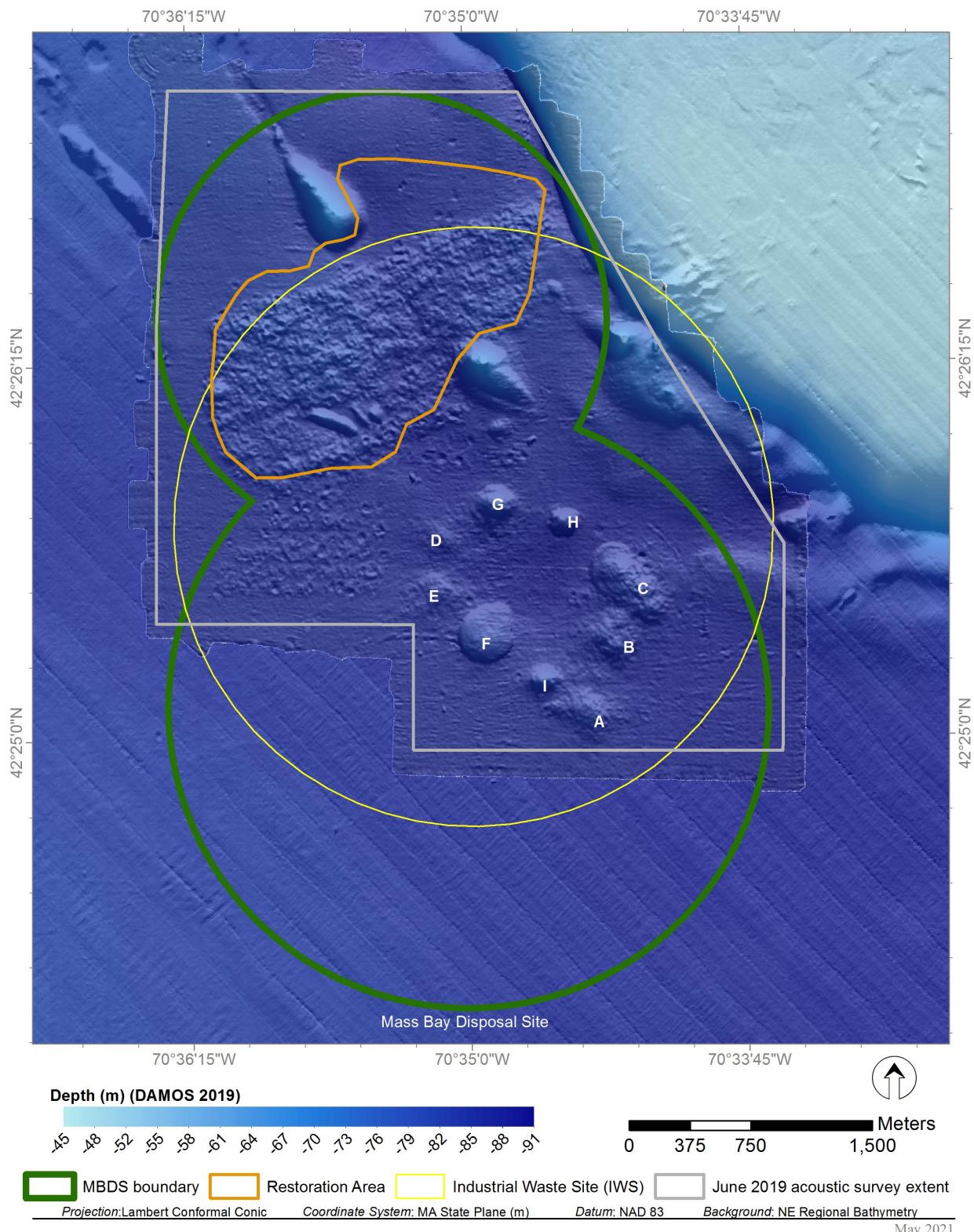


Figure 1-2. Bathymetric Survey Data (2019)

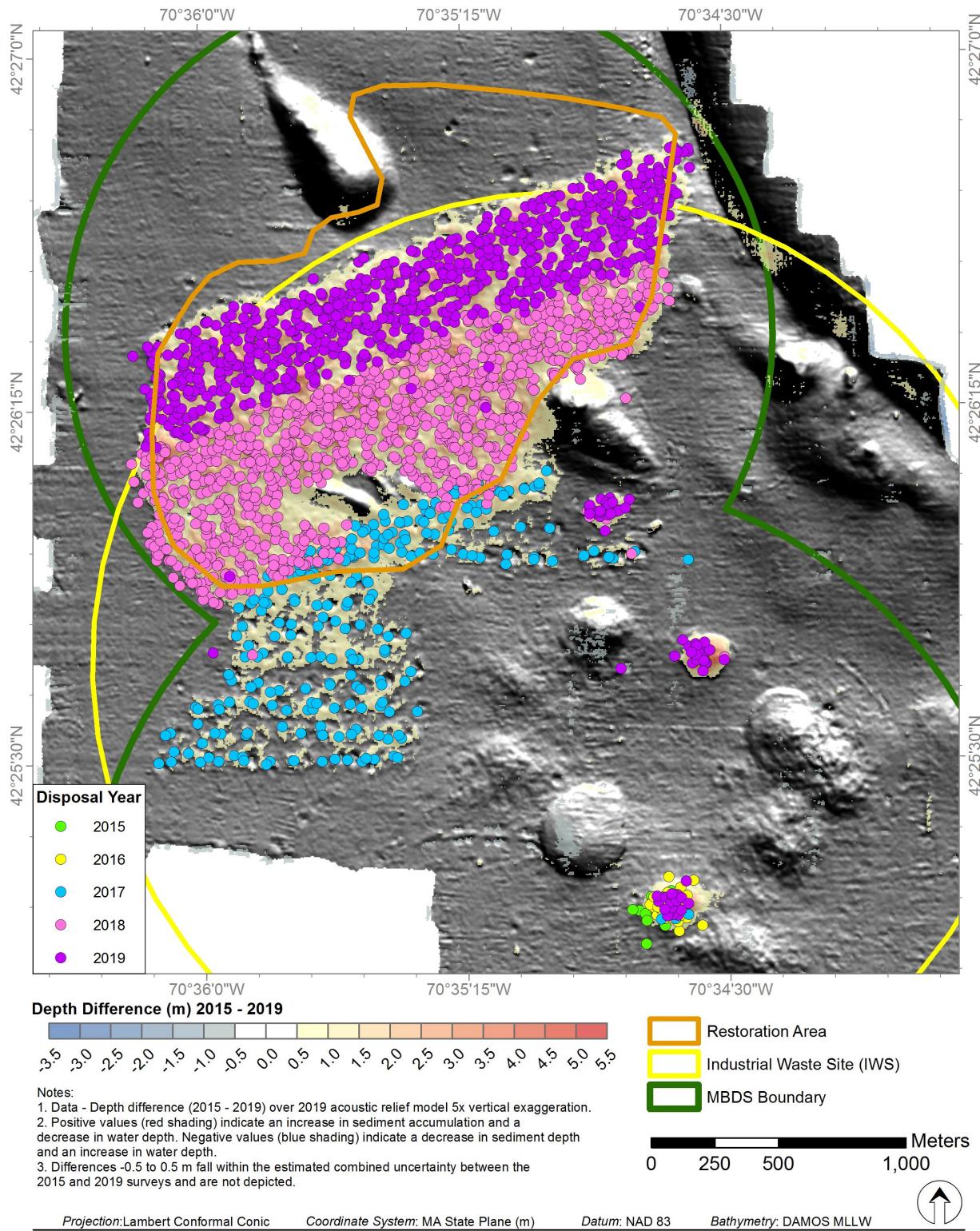


Figure 1-3. Depth Difference Model (2015 – 2019) with Recent Disposal Events (2015 - 2019)

2.0 METHODS

The June 2019 sediment sampling survey conducted at MBDS was performed by a scientific team from AECOM and CR Environmental, Inc.; laboratory analyses were conducted by Katahdin Analytical Services (KAS) (Scarborough, Maine [ME]) and GEL Laboratories (Charleston, South Carolina [SC]). Sediment grab samples were collected from 20 locations within MBDS, two locations on separate Boston Harbor dredged material disposal scows, and one location in the southern region of MBDS that has not recently received dredged materials. The survey was conducted on 28 June 2019, aboard the 55-foot Research Vessel (R/V) *Jamie Hannah*. Field activities are summarized in [Table 2-1](#) and an overview of the methods used to collect and analyze sediment samples is provided below. Detailed Standard Operating Procedures (SOPs) for data collection and processing are presented in the program Quality Assurance Project Plan (QAPP) ([AECOM, 2019a](#)).

2.1 Navigation and On-Board Data Acquisition

Navigation for the grab sampling survey was accomplished using a Hemisphere R110 DGPS capable of sub-meter horizontal accuracy. HYPACK continually recorded vessel position and GPS satellite quality and provided a steering display for the vessel captain to accurately navigate to pre-determined survey targets.

2.2 Sediment Grab Sampling

Sediment grab samples were collected using a 0.04 square meter (m^2) Ted Young grab sampler. Target sampling locations were selected prior to the survey and pre-programmed into the on-board navigation system. The survey vessel navigated within 10 meters (m) of the selected target sampling locations prior to deployment of the sediment grab sampling equipment over the side of the vessel. Sediment grab sampling locations are depicted on [Figure 2-1](#), and sample collection coordinates are presented in [Table 2-2](#). Upon collection, sediment was brought aboard the vessel to be visually inspected and generally described in the dedicated project field notebook.

Sediment grab samples were collected from four areas; barge, background, restoration berm, and outside the active restoration berm ([Figure 2-1](#)). Barge samples were collected from disposal scows hauling dredged sediment from Boston Harbor to MBDS, background samples were collected from an area within MBDS with no identified waste containers or dredged material disposals, restoration berm samples were collected from an area that is actively receiving dredged materials as part of the IWS restoration, and samples from outside of the active restoration berm is an area with known waste containers that has not yet been restored.

Due to the potential for radiological contamination and field technician exposure, all field staff participated in Radiation Safety Awareness Training and an AECOM health

physicist was onboard the survey vessel to screen sediment samples for the presence of radiological materials according to the project Accident Prevention Plan ([AECOM, 2019b](#)). Screening was conducted using the following instrumentation; Ludlum Model 2221/ Ludlum 44-10 [Sodium Iodide (NaI) detector], Ludlum Model 19 μ R meter, Ludlum Model 12/ Ludlum Model 44-9 [Gieger Mueller (GM)-pancake detector], Ludlum Model 2224/Ludlum Model 43-89 (Alpha/Beta Scintillation detector).

Sediment grab samples were subsampled for radiochemistry, grain size, total organic carbon (TOC), and total metals. Samples were first screened for the presence of elevated radiological materials, and then were placed into a decontaminated stainless steel bowl to be homogenized. The samples were placed in the appropriate glassware for analysis and the glass containers were wiped clean and labeled. Sample container sizes, preservation requirements, and holding times are detailed in the program QAPP ([AECOM, 2019a](#)). Between samples, the grab sampler, spoons, and bowl were thoroughly cleaned with a non-phosphate detergent and then rinsed with de-ionized water. Dry decontamination procedures and post-decontamination radiological surveys were also conducted on all equipment that had potential contact with radiological materials. Analytical chemistry samples were stored on ice and shipped via courier to GEL Laboratories and KAS.

2.2.1 Sediment Chemistry Data Analysis

The sediment samples were analyzed for radionuclides (by gamma spectroscopy, isotopic plutonium, isotopic strontium 89/90, and isotopic uranium), grain size, TOC, percent moisture, and metals (arsenic, cadmium, chromium, copper, lead, nickel, mercury, and zinc) ([Table 2-3](#)). A routine set of quality control (QC) samples was collected, including two field duplicates and one matrix spike duplicate for all analyses. A rinsate blank was collected from the sediment grab sampling and processing equipment and analyzed. Samples were extracted and analyzed within the holding times for the various analytes.

For the metals and radiological nuclide analyses, standard QC included a method blank (MB) and a laboratory control sample (LCS) in order to evaluate the accuracy of the dataset. For TOC, all samples were analyzed in duplicate per the method requirements and the QC samples included a MB and a LCS.

Analytical methods for the grain size and metals analyses applied within this study are consistent with those prescribed in the Regional Implementation Manual (RIM) that provides guidance for testing dredged material ([USEPA and USACE, 2004](#)). The analyses for radionuclides are not specified within the RIM guidance document; therefore, the following EPA methods were followed (as outlined in [Table 2-4](#)): EPA 901.1, 905.0, 907.0, and 908.0, modified for soil/sediment analysis.

Table 2-1.
2019 Field Activities at MBDS

Survey	Date	Summary
Sediment Grabs	28 June 2019	Stations: 23 MBDS: 20 MBDS-South: 1 Barge: 2

Table 2-2.
Sediment Grab Sampling Locations (Actual)

Station	Latitude (N)	Longitude (W)	Longitude (W)		
			MBDS	MBDS/BARGE	
MBDS-1	42° 26.095'	70° 36.150'	MBDS-13	42° 26.553'	70° 35.299'
MBDS-2	42° 26.675'	70° 35.942'	MBDS-14	42° 26.386'	70° 35.285'
MBDS-3	42° 26.490'	70° 35.951'	MBDS-15	42° 26.232'	70° 35.284'
MBDS-4	42° 26.275'	70° 35.932'	MBDS-16	42° 26.533'	70° 35.081'
MBDS-5	42° 26.115'	70° 35.937'	MBDS-17	42° 26.363'	70° 35.083'
MBDS-6	42° 25.924'	70° 35.962'	MBDS-18	42° 26.511'	70° 34.875'
MBDS-7	42° 26.428'	70° 35.712'	MBDS-19	42° 26.371'	70° 34.879'
MBDS-8	42° 26.257'	70° 35.698'	MBDS-20	42° 26.617'	70° 34.722'
MBDS-9	42° 26.423'	70° 35.487'	MBDS-SOUTH	42° 24.531'	70° 34.984'
MBDS-10	42° 26.231'	70° 35.494'	BARGE-1	NA	NA
MBDS-11	42° 26.899'	70° 35.289'	BARGE-2	NA	NA
MBDS-12	42° 26.742'	70° 35.299'			

Note: NA = Not Applicable

Table 2-3.
Summary of Laboratory Analyses for
Metals/TOC/Grain Size

	Test Method	EPA Test Method No.	
	Sample Prep	Analytical	Instrumentation
Arsenic (As)	3050B	6020B	ICP-MS
Cadmium (Cd)	3050B	6020B	ICP-MS
Chromium (Cr)	3050B	6020B	ICP-MS
Copper (Cu)	3050B	6020B	ICP-MS
Lead (Pb)	3050B	6020B	ICP-MS
Mercury (Hg)	7471B	7471B	CVAA
Nickel (Ni)	3050B	6020B	ICP-MS
Zinc (Zn)	3050B	6020B	ICP-MS
Total Organic Carbon (TOC)	-	9060A	Carbonaceous analyzer
Grain Size		ASTM D422-63	

Notes:

CVAA – Cold Vapor Atomic Absorption

ICP-MS - Inductively Coupled Plasma Mass Spectrometry

MS - Mass Spectrometry

Table 2-4.
Summary of Laboratory Analyses for Radionuclides of Interest (ROIs)

Isotope	Half Life	Detection Method	Analysis Method	Source
Am - 241	432.2 y	Gamma Spec	EPA 901.1 (Modified)	Medical/Fission Product (Pu-241)
Cs - 137	30.17 y	Gamma Spec	EPA 901.1 (Modified)	Fission Product
Co-60	5.3 y	Gamma Spec	EPA 901.1 (Modified)	Fission Product
I-131	8 d	Gamma Spec	EPA 901.1 (Modified)	Fission Product
Mn-54	312.3 d	Gamma Spec	EPA 901.1 (Modified)	Fission Product
Ac-228	21.77 y	Gamma Spec	EPA 901.1 (Modified)	Naturally Occurring Thorium Oxide
Ra-228	5.75 y	Gamma Spec	EPA 901.1 (Modified)	Thorium Oxide (Lantern Mantels)
Ra-226	1600 y	Gamma Spec*	EPA 901.1 (Modified)	Radium Dials
		Alpha		
Pu-238	87.7 y	Spec/Isotopic Pu	HASL 300 (A-01-R)	Fission Product
Pu-239	24,100 y		EML P-01 Modified EPA 907.0	Fission Product
Pu-241	14 y			Fission Product
Sr-90	28.8 y	Gas Proportional (Beta)	EPA 905.0 (Modified)	Fission Product
		Alpha	HASL 300 (A-01-R) or EPA 908.0 (Modified)	
U-234	245,500 y	Spec/Isotopic U		Naturally Occurring
U-235	700 million y	Alpha Spec		
U-238	4.5 billion y	Alpha Spec		

Notes:

d - days

y - years

* 21-day turnaround time after sample processing required to obtain full Ra-226 daughter in-growth

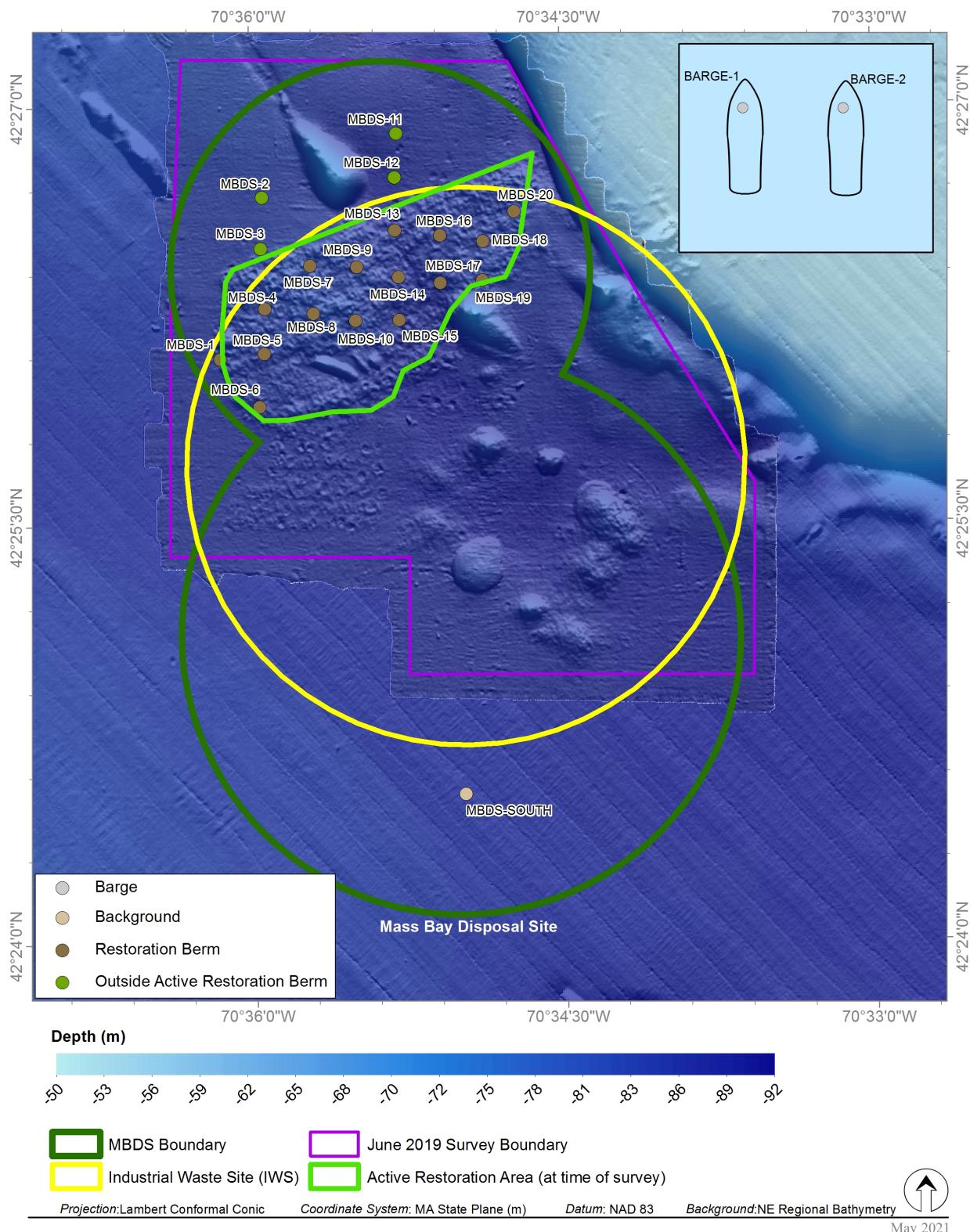


Figure 2-1. Sediment Grab Sampling Locations

3.0 RESULTS

Sediment grab samples were collected from 20 stations within the MBDS restoration area. For comparative analysis, two sediment samples were collected from disposal scows on different dates to provide baseline information on sediment coming from the Boston Harbor dredging project (cover material prior to contact with potentially contaminated material at the IWS). Scow samples were collected from two different grain size groups – one sample targeted sediments that were composed of finer materials (Boston Blue Clay) and the second sample targeted sediments that were composed of glacial till or coarser materials in order to sample the range of sediments used in the restoration effort. A sample was also collected in the southern portion of the MBDS (MBDS-South) to represent seafloor conditions within the site where restoration activities are not occurring. All MBDS grab samples were screened aboard the survey vessel for the presence of radiological materials and evaluated at designated testing laboratories for radiological makeup, chemical concentrations, and physical composition.

Sediment samples were analyzed for grain size, TOC, total metals, and radionuclides. Total metals concentrations from MBDS samples were compared to the associated effects range low (ER-L) and effects range medium (ER-M) screening values (Long et al. 1995). Radionuclide data were compared to the average method detection limit (MDL), average barge sample results, and to the available ROI background values for New England.

3.1 Grain Size and Total Organic Carbon

Surficial sediment samples from the MBDS restoration area consisted primarily of an even mix of sand and fines (silt and clay), with small amounts of gravel detected at locations on the restoration berm. Samples located to the north of the active dredged material placement area consisted primarily of fines (silt and clay) with trace amounts of sand, except for MBDS-12 which exhibited an even mix of sand and fines. One sediment sample collected from the disposal scow, BARGE-1, consisted of fines (silt and clay) and the second scow sample, BARGE-2, consisted primarily of fines and gravel with minimal sand. The MBDS-South sediment sample consisted primarily of fines and sand with a trace amount of gravel. Grain size results are summarized on [Table 3-1](#) and displayed on a map of restoration berm thickness on [Figure 3-1](#).

3.2 Total Metals

Sediment samples were analyzed for the metals listed in Section 2.2.1 (As, Cd, Cr, Cu, Pb, Hg, Ni, and Zn). Metals were detected at low levels within all samples collected during the survey. Concentrations at all locations within the MBDS restoration area, the two barges, and the MBDS-South location were less than the associated ER-M values for all analyzed metals and were also less than the ER-L for cadmium, lead, and zinc. The concentration of arsenic was above the ER-L at four locations – two locations outside of the

active restoration berm (MBDS-2 and MBDS-3), one location on the berm apron (MBDS-7), and in the BARGE-1 sample. Chromium exceeded the ER-L at MBDS-13, located on the restoration berm. Copper concentrations were above the ER-L at two locations outside of the restoration berm (MBDS-2 and MBDS-3) and two locations on the berm (MBDS-13 and MBDS-19). Nickel exceeded the ER-L at seven locations including locations on the restoration berm, locations outside the berm, and both barge samples. The mercury concentration was above the ER-L at MBDS-6 and MBDS-13 on the restoration berm. The concentrations of all metals analyzed at the MBDS-South location were less than the ER-L. Metals concentrations measured throughout the study area (typically below the ER-L with some samples above the ER-L but well below the ER-M) were consistent with the signature of dredged material that is suitable for open water disposal ([Table 3-2](#) and [Figures 3-2 through 3-9](#)).

3.3 Sediment Radiological Survey Results

Sediments were analyzed for the ROIs listed in Section 2.2.1 (Am-241, Cs-137, Co-60, I-131, Mn-54, Ac-228, Ra-228, Ra-226, Pu-238, Pu-239, Pu-241, Sr-90, U-234, U-235, and U-238). For the purposes of this report, the radiological analysis results were compared to the laboratory method detection limits because these levels were often less than risk-based remediation criteria. Results were also compared to the samples collected from the two dredged material disposal scows to provide background data on sediments prior to placement at the restoration site, and to the available ROI background values for New England. For ease of use and comparative purposes, analytical error is not presented.

ROI results are presented in [Table 3-3](#) and relevant radionuclide background data for each ROI are presented in [Table 3-4](#). Charted results for each radioisotope are displayed on Figures 3-10 through 3-23. Sample results for the ROIs Am-241, Co-60, Cs-137, I-131, Mn-54, Pu-238, Pu239/240, Sr-90, and U235/236 were all less than the average MDL for the respective specified radioisotopes.

U-233/234/238, Ac-228, Ra 226, and Ra-228 (also a daughter decay product of Thorium-232 [Th-232]) had concentrations greater than the method detection limit; however, those radionuclide levels were consistent with naturally occurring radioactive materials (NORM) in soils in the northeast United States ([Table 3-4](#)). In addition, the abundance ratios between Ra-226 and Ra-228 was also consistent with NORM background levels.

Values for Ac-228 and Ra-228 at station MBDS-3 (outside the active restoration berm) exceeded the average MDL and the average barge sample concentration but were consistent with the concentration in the BARGE-1 sample ([Figures 3-15 and 3-22](#)). Values for Ra-226 exceeded the average MDL value but were less than the average barge sample concentration for all stations ([Figure 3-21](#)). Concentrations for U-233/234 were less than the average barge sample concentration and, at selected locations, also less than the average MDL value ([Figure 3-12](#)). The ROI U-238 exceeded the average barge sample value at three locations outside of the restoration berm (MBDS-2, MBDS-11, and MBDS-12) and at station

MBDS-7 on the berm but the concentration of U-238 in the MBDS-7 berm sample was less than the BARGE-1 value ([Figure 3-14](#)).

All of the ROI values in the June 2019 sediment sampling study were within the background concentration range for New England ([Table 3-4](#)).

Table 3-1.

Grain Size Results

Sample ID	Gravel	Coarse Sand	Medium Sand	Fine Sand	Silt	Clay
Site				Percent (%)		
MBDS - 1	0.7	0.8	2.7	14.9	53.3	27.6
MBDS - 2	2.8	0.6	0.5	5.8	73.5	16.7
MBDS - 3	2.4	1.7	4.1	4.7	65.1	21.9
MBDS - 4	2.0	2.1	10.0	42.2	27.8	15.9
MBDS - 5	0.6	1.8	10.7	37.6	31.9	17.3
MBDS - 6	1.1	0.4	2.2	31.4	44.9	20.1
MBDS - 7	13.4	2.3	5.6	11.7	40.3	26.7
MBDS - 8	2.1	1.1	7.3	42.9	31.4	15.2
MBDS - 9*	4.3	5.6	14.8	33.1	26.9	15.3
MBDS - 10	1.3	1.1	6.0	29.4	45.3	16.9
MBDS - 11	0.0	0.0	1.5	10.5	74.5	13.5
MBDS - 12	0.0	0.0	1.9	48.7	38.2	11.3
MBDS - 13	1.0	1.2	3.8	13.1	52.8	28.0
MBDS - 14	0.0	0.1	4.1	50.6	32.9	12.3
MBDS - 15	0.0	0.0	1.5	29.4	54.1	14.9
MBDS - 16*	0.0	0.0	6.0	43.4	36.7	13.9
MBDS - 17	0.0	0.0	3.7	50.8	34.1	11.5
MBDS - 18	0.0	0.0	2.3	23.1	47.5	27.1
MBDS - 19	0.5	1.2	6.1	40.6	37.9	13.7
MBDS - 20	6.8	4.5	14.0	26.4	28.8	19.5
MBDS-South	3.6	0.7	3.0	23.8	57.4	11.5
BARGE - 1	0.0	0.0	0.1	0.6	56.3	43.0
BARGE - 2	28.9	2.6	3.4	4.0	30.9	30.4

*Average of duplicate sample

Table 3-2.

TOC and Metals Results

Sample ID	TOC	Arsenic	Cadmium	Chromium	Copper	Lead	Nickel	Zinc	Mercury
Site	(%)				mg/kg				
MBDS-1	0.6	7.99	0.13	40.9	23.9	14.6	22.3	57.8	0.06
MBDS-2	1.8	11.6	0.28	74.8	105	31.6	28.7	72.2	0.09
MBDS-3	0.3	9.21	0.06	69.6	34.4	15.7	43.3	92.4	0.02
MBDS-4	0.7	5.63	0.11	26.3	13.4	8.73	14.5	45.3	0.04
MBDS-5	1.2	5.42	0.13	29.2	18.8	12.2	14.7	44.2	0.04
MBDS-6	0.7	5.34	0.24	38.8	17.6	15.2	14.1	46.3	0.21
MBDS-7	0.5	8.21	0.06	36.2	19.7	9.91	23.6	54.9	0.02
MBDS-8	1.6	5.77	0.17	33.2	20.1	15.9	14.0	43.6	0.11
MBDS-9*	1.1	6.48	0.13	33.8	16.0	10.4	17.4	45.1	0.04
MBDS-10	0.9	6.82	0.23	39.3	23.6	17.3	17.2	52.6	0.08
MBDS-11	1.8	8.09	0.34	59.8	24.7	27.6	19.4	64.6	0.13
MBDS-12	1.4	3.84	0.31	38.7	17.1	23.0	11.0	47.2	0.11
MBDS-13	1.7	5.73	0.97	107	40.4	38.3	17.6	86.4	0.40
MBDS-14	1.3	5.12	0.26	37.4	18.2	16.2	14.0	49.8	0.10
MBDS-15	1.2	5.81	0.28	40.3	24.6	19.2	15.1	50.7	0.12
MBDS-16*	1.4	5.15	0.32	44.2	19.6	18.1	14.6	52.4	0.11
MBDS-17	0.8	4.34	0.21	27.2	15.4	12.8	10.9	37.6	0.09
MBDS-18	1.0	5.18	0.24	33.6	19.1	14.1	13.9	45.3	0.10
MBDS-19	0.9	6.55	0.19	26.3	78.3	12.0	12.2	60.3	0.06
MBDS-20	0.4	7.86	0.04	34.9	24.8	9.83	24.5	57.1	0.05
BARGE-1	0.2	15.7	0.07	65.1	33.9	15.2	41.8	93.5	0.01
BARGE-2	0.4	8.13	0.11	47.7	27.40	11.7	31.7	68.8	0.03
MBDS-South	2.3	7.16	0.31	50.0	24.40	33.3	16.2	63.3	0.10
Screening Level									
ER-L		8.2	1.2	81	34	46.7	20.9	150	0.15
ER-M		70	9.6	370	270	218	51.6	410	0.71

*Average of duplicate sample

Bold values exceeded the ER-L screening level

Table 3-3.

Radionuclide Results

	Plutonium 238	Plutonium 239/240	Uranium 233/234	Uranium 235/236	Uranium 238	Actinium 228	Americium 241	Cesium 137	Cobalt 60	Iodine 131	Manganese 54	Radium 226	Radium -228	Strontium- 90
Site	pCi/g													
MBDS-1	-0.07	-0.14	0.46	-0.02	0.49	1.51	0.044	-0.03	-0.02	0.08	0.03	1.28	1.51	-0.97
MBDS-2	0.02	-0.14	1.27	-0.02	1.97	1.00	-0.33	0.03	-0.05	0.03	0.05	0.85	1.00	-0.08
MBDS-3	0.02	-0.07	0.87	0.23	0.92	1.89	0.32	0.00	0.01	-0.03	0.02	1.38	1.89	0.08
MBDS-4	0.00	-0.06	1.11	0.00	0.80	0.97	0.09	0.00	0.00	-0.02	0.03	0.74	0.97	0.24
MBDS-5	-0.24	0.01	0.87	-0.02	0.74	1.08	0.21	0.02	0.07	-0.05	0.00	0.88	1.08	-0.87
MBDS-6	-0.09	0.09	0.43	0.10	0.61	0.97	-0.05	0.01	-0.01	0.28	0.00	0.85	0.97	0.35
MBDS-7	-0.18	0.04	0.62	0.13	1.40	1.43	-0.04	0.03	-0.03	-0.02	0.01	1.27	1.43	0.78
MBDS-8	0.09	-0.08	1.06	0.05	0.83	0.74	-0.01	0.03	0.04	-0.11	0.01	0.86	0.74	0.47
MBDS-9*	-0.05	-0.01	0.89	0.11	0.76	1.19	0.01	0.02	0.06	0.02	0.03	0.89	1.19	0.12
MBDS-10	0.07	-0.15	0.56	0.08	1.04	1.10	0.17	0.00	0.00	-0.23	0.01	0.77	1.10	0.18
MBDS-11	0.16	-0.16	2.33	-0.02	1.69	1.02	0.10	0.01	0.01	0.18	-0.07	0.85	1.02	-0.68
MBDS-12	-0.05	-0.08	1.47	0.06	1.28	0.90	0.24	0.01	-0.04	0.04	0.01	0.80	0.90	-0.01
MBDS-13	-0.06	0.00	1.14	-0.06	0.73	1.15	0.17	0.01	0.01	-0.11	0.06	1.06	1.15	-0.56
MBDS-14	-0.19	-0.08	0.82	0.00	0.86	0.84	-0.15	0.02	0.00	0.00	0.06	0.72	0.84	-0.01
MBDS-15	-0.18	0.18	0.81	-0.02	0.88	0.74	0.10	-0.04	-0.03	-0.11	0.05	0.87	0.74	0.07
MBDS-16*	-0.15	-0.11	0.58	-0.04	0.69	1.13	0.02	0.01	0.00	0.01	-0.02	0.88	1.13	-0.23
MBDS-17	0.14	0.05	0.50	0.17	0.14	0.70	0.12	0.05	0.01	0.00	-0.01	0.72	0.70	0.50
MBDS-18	-0.08	-0.09	0.62	0.13	0.46	0.62	0.09	0.02	0.05	0.01	0.01	1.07	0.62	1.00
MBDS-19	-0.06	-0.20	0.69	0.08	1.06	1.00	-0.01	0.05	-0.01	0.06	-0.03	1.01	1.00	0.38
MBDS-20	-0.03	0.02	0.70	-0.02	0.70	1.47	0.05	0.01	0.03	0.00	0.03	0.99	1.47	0.13
BARGE-1	-0.08	-0.12	1.70	-0.05	1.53	1.88	0.09	0.01	-0.01	-0.09	0.03	1.68	1.88	0.05
BARGE-2	-0.05	-0.11	1.36	-0.02	0.98	1.39	-0.01	0.00	0.01	-0.22	0.01	1.11	1.39	0.82
MBDS-South	-0.03	0.17	1.07	0.05	1.22	1.05	0.09	0.05	-0.001	0.01	0.05	0.63	1.05	-0.65

*Average of duplicate sample

Gray values are non-detect at a concentration greater than the MDL

Table 3-4.
ROI Background Concentrations in New England

Radionuclide	Soil Concentration (Ave.) (pCi/g) ⁽¹⁾	Soil Concentration (Ave.) (pCi/g) ⁽²⁾	Soil Concentration (pCi/g) ⁽³⁾	Soil Concentration (pCi/g) ⁽³⁾	Soil Concentration (pCi/g) ⁽⁴⁾	Soil Concentration (pCi/g) ⁽⁵⁾	Average from all References (pCi/g)	MBDS Average (pCi/g)	Barge Average (pCi/g)	MBDS-South (pCi/g)
Ra-226	0.84	0.90	0.85	0.87	0.75	-	0.84	0.94	1.40	0.63
AC-228	0.84	0.90	0.71	0.90	0.75	-	0.82	1.07	1.64	1.05
Ra-228	0.84	0.90	0.71	0.90	0.75	-	0.82	1.07	1.64	1.05
Th-232	0.84	0.90	0.71	0.90	0.75	-	0.82	1.07	1.64	1.05
U-238 ⁽⁶⁾	0.89	0.90	0.95	0.86	0.75	-	0.87	0.9	1.25	1.22
Cs-137	-	-	-	-	-	1.14	1.14	0.01	0.01	0.05
Sr-90	-	-	-	-	-	0.72	0.72	0.05	0.43	-0.65

Note: Available background ROIs are displayed

References:

- 1) Foley, R. D., et al., 1992. Department of Energy, FUSRAP Measurement Applications and Development Group, Oak Ridge National Laboratory, "Radiological Survey Results at Beverly Harbor, Beverly, Massachusetts (VB025)*", Ventron Plant Site (*) DOE Contract #DE-AC05-84OR21400, Background Survey Results (Report page 11)(Beverly, Ma)(26 miles NE of Boston).
- 2) Winteringham, F.P.W, 1989 "Radioactive Fallout in Soils, Crops and Food", A Background Review, FAO Soils Bulletin 61, Food and Agriculture Organization of the United Nations.
- 3) Myrick et al., 1981. Site Background Radiation Levels: Results of Measurements Taken During 1975-1979. Oak Ridge National Laboratory, November 1981. (NE United States)
- 4) CoPhysics Corporation, 2010. Radiological Survey Report, Marcellus Shale Drilling Cuttings from Tioga and Bradford Counties, Pa. and New England Waste Services of N.Y., Inc. Landfill Sites in Chemung, NY Campbell, NY and Angelica, NY April 2010
- 5) Wallo III, et al., 1994. "Investigations of Natural Variations of Cesium-137 Concentration in Residential Soils", The Health Physics Society, 39th Annual Meeting , June 28, 1994
- Cs-137 range was 0.18 to 2.1 pCi/g
- Sr-90 range was 0.11 to 1.32 pCi/g
- 6) Typical background concentrations for uranium and radium (NORM) in soil and rock are approximately 0.5 to 1.0 picocuries per gram (pCi/g) and clays are in the range of 1 to 3 pCi/g (Foley and Johnson, 1992).

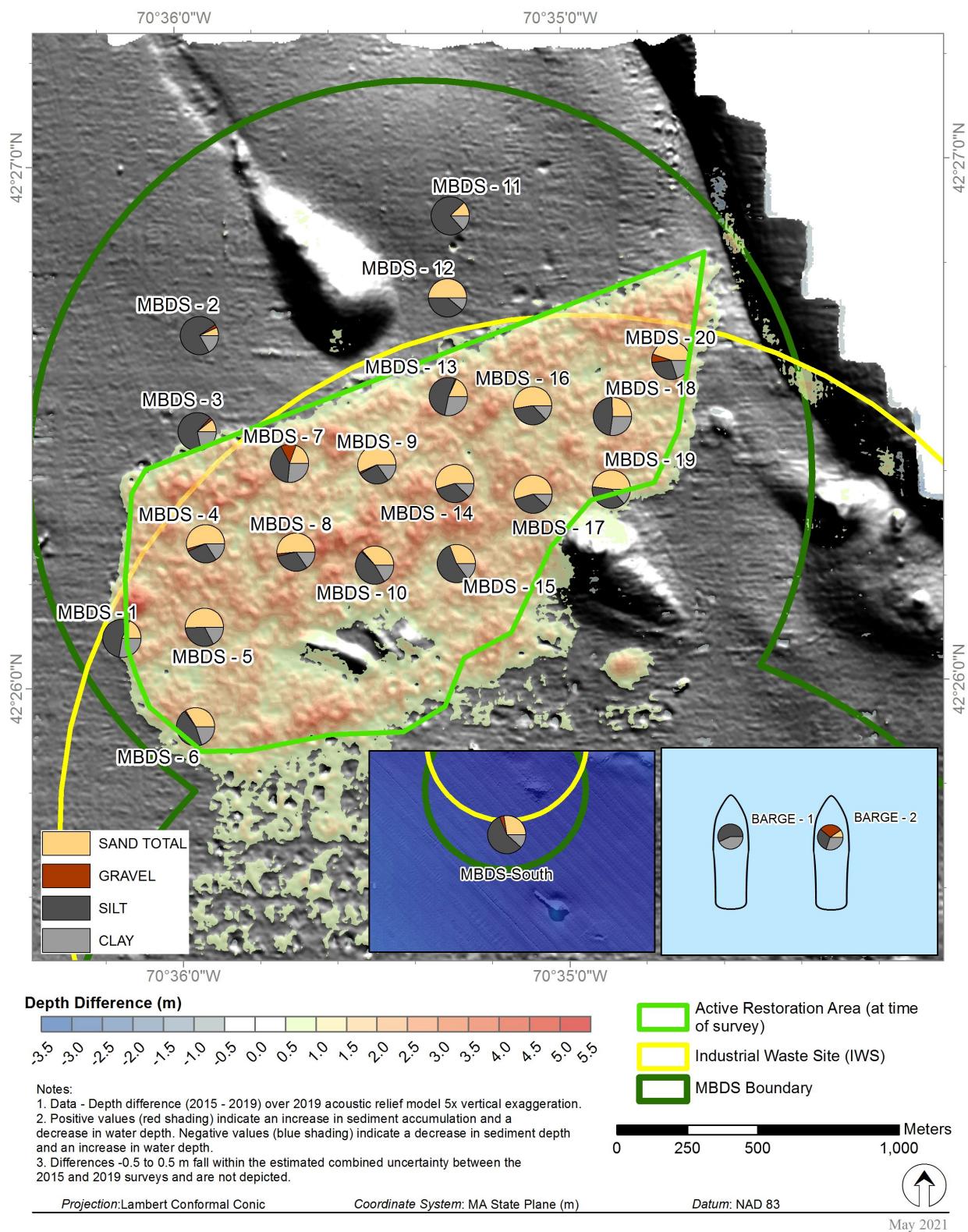


Figure 3-1. Grain Size Data over Depth Difference Model

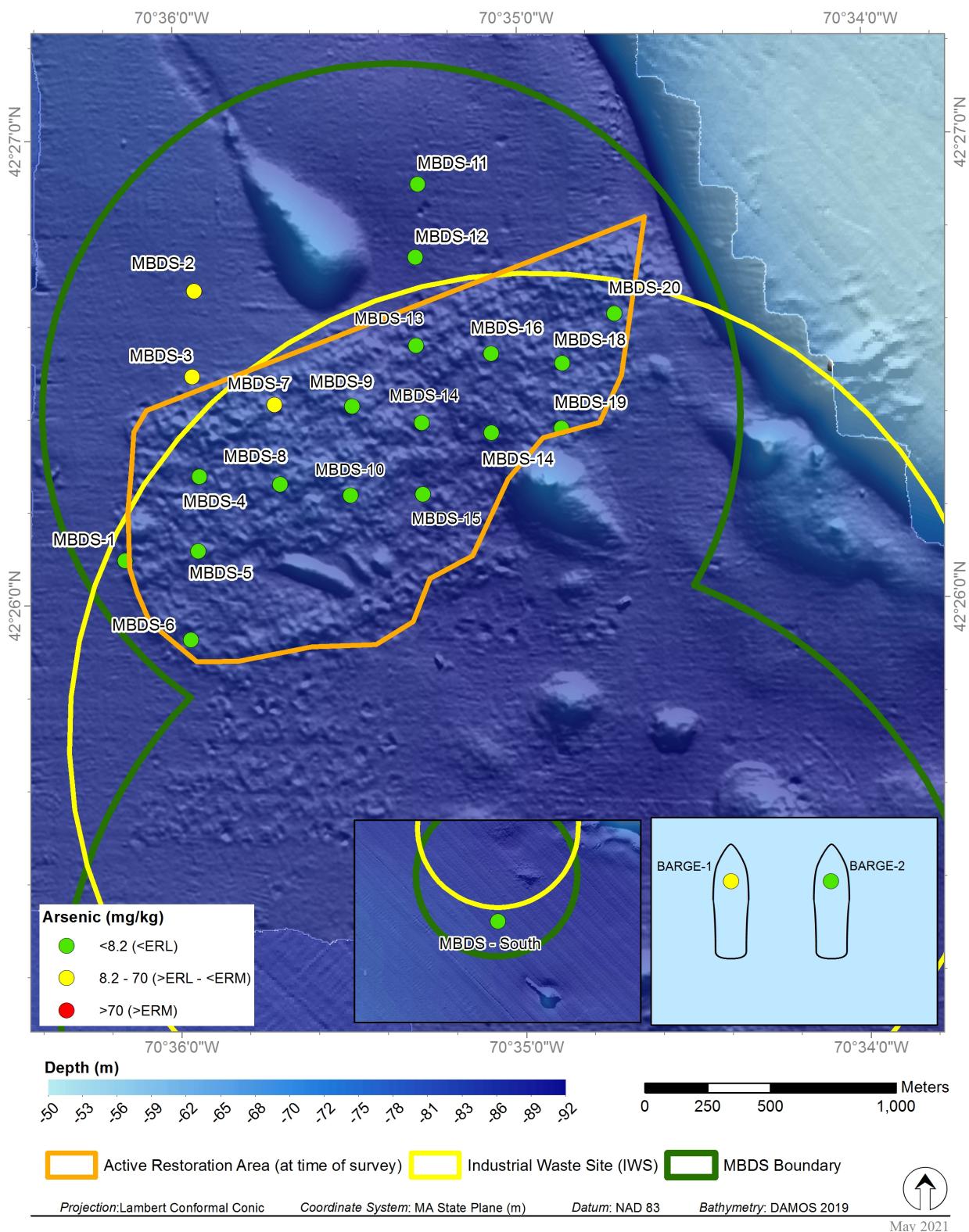


Figure 3-2. Arsenic Concentrations Compared to ER-L and ER-M Values

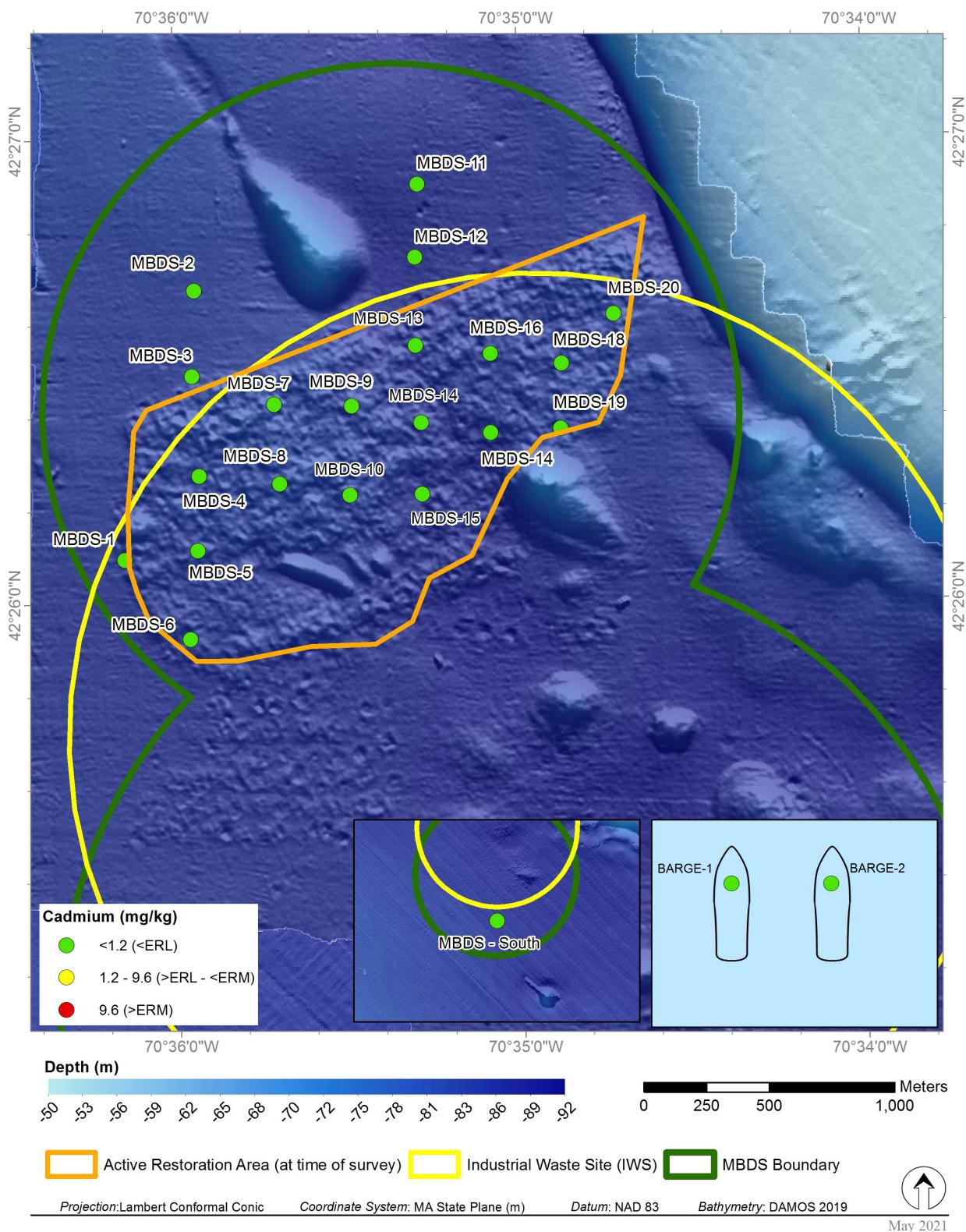


Figure 3-3. Cadmium Concentrations Compared to ER-L and ER-M Values

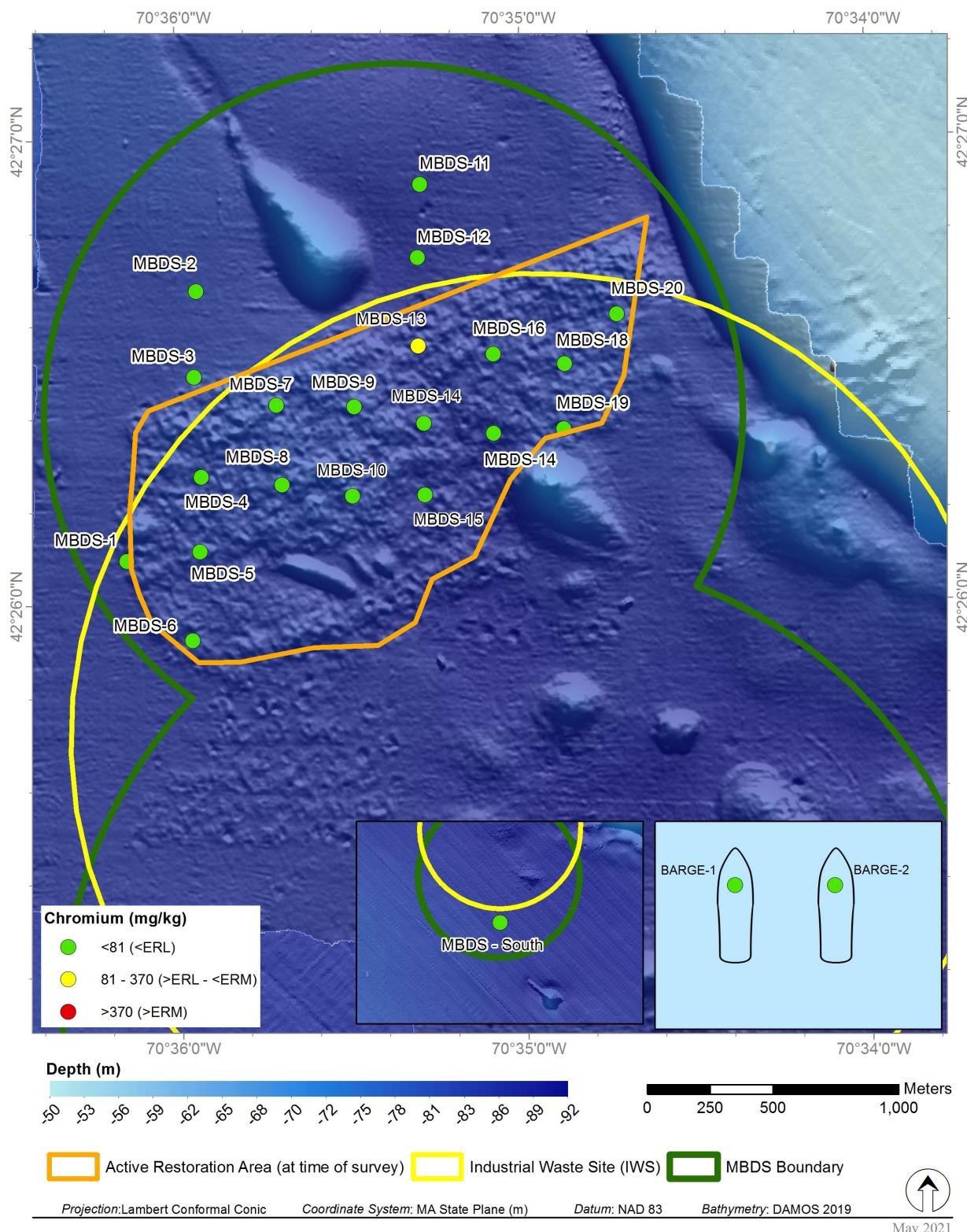


Figure 3-4. Chromium Concentrations Compared to ER-L and ER-M Values

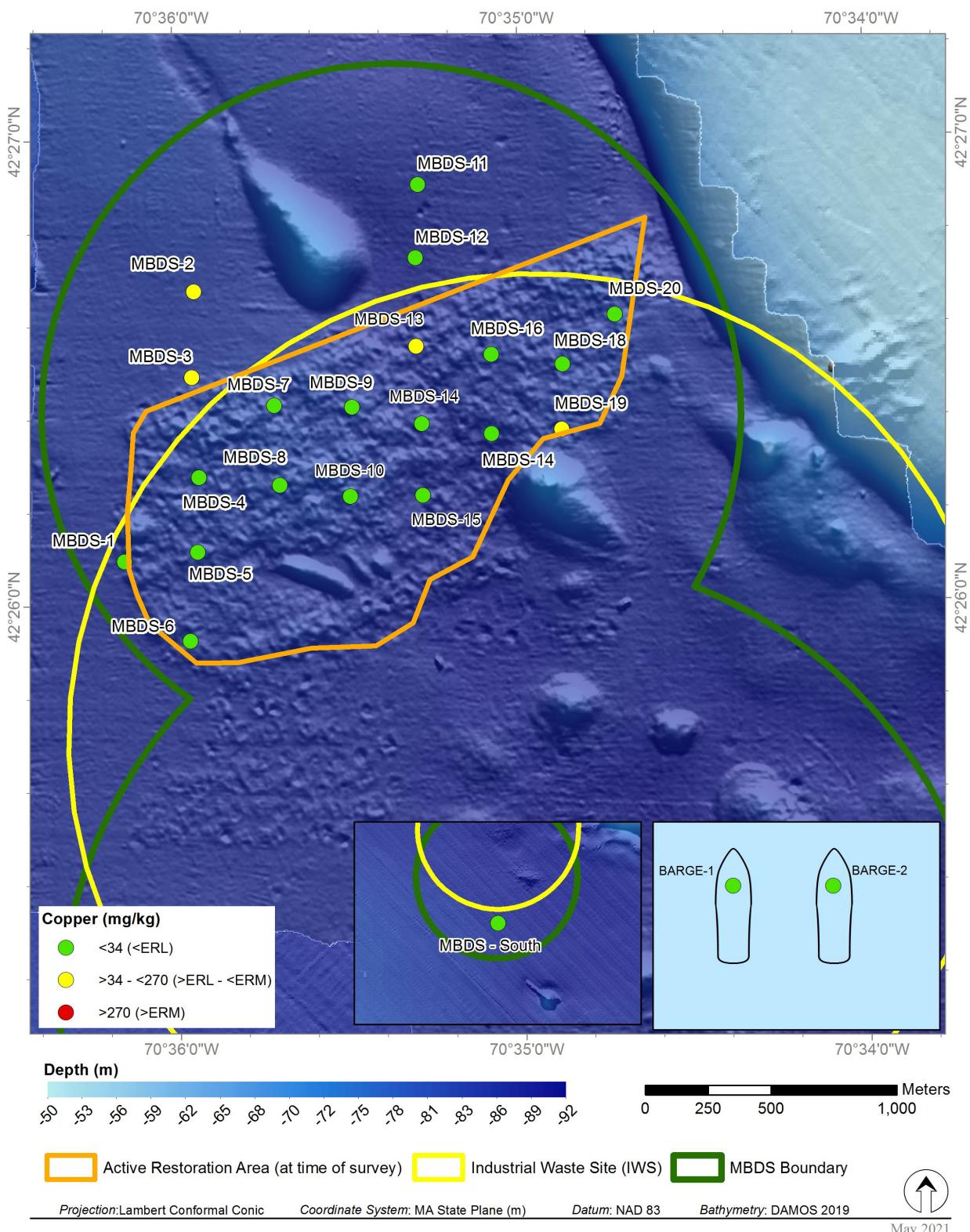


Figure 3-5. Copper Concentrations Compared to the ER-L and ER-M Values

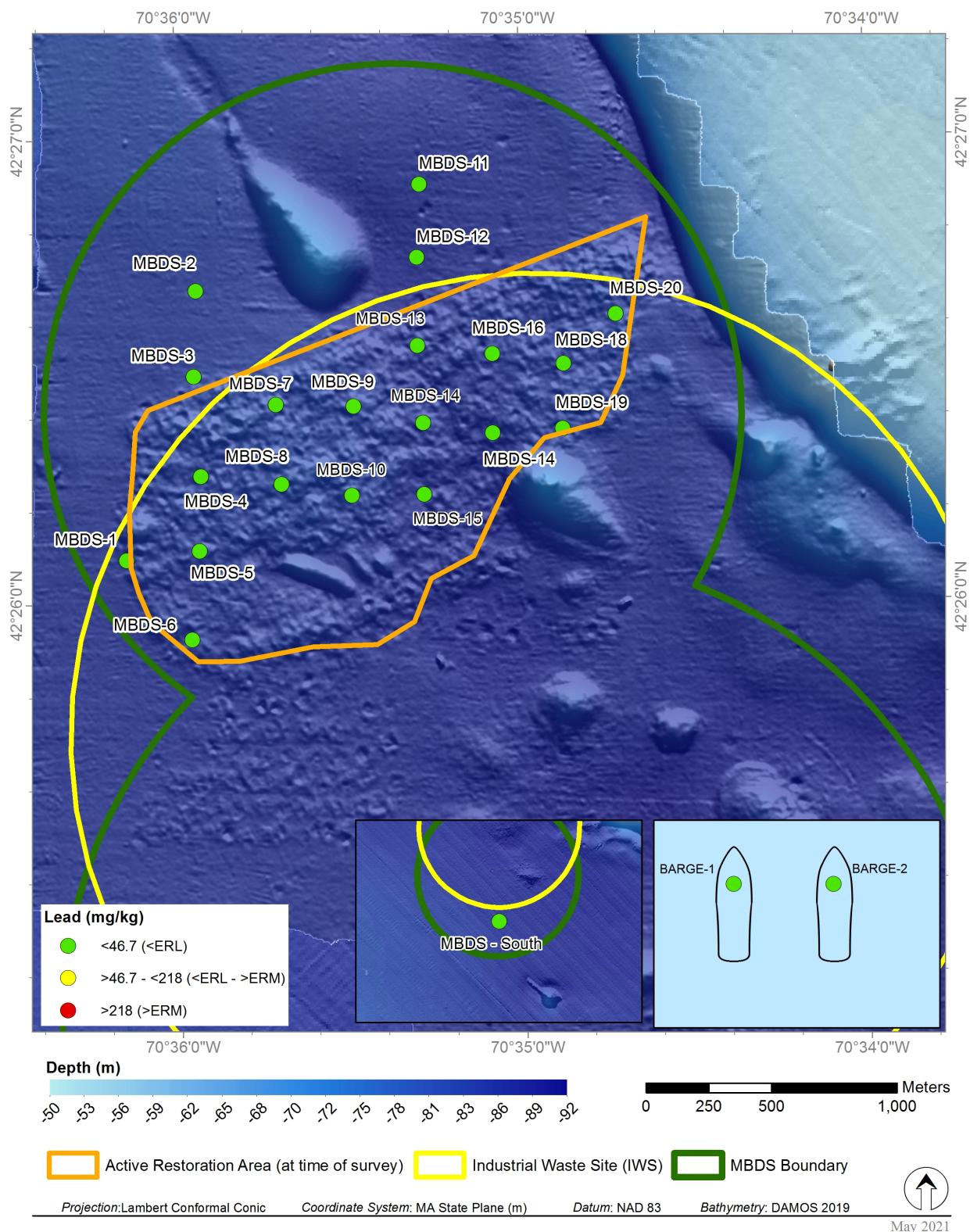


Figure 3-6. Lead Concentrations Compared to the ER-L and ER-M Values

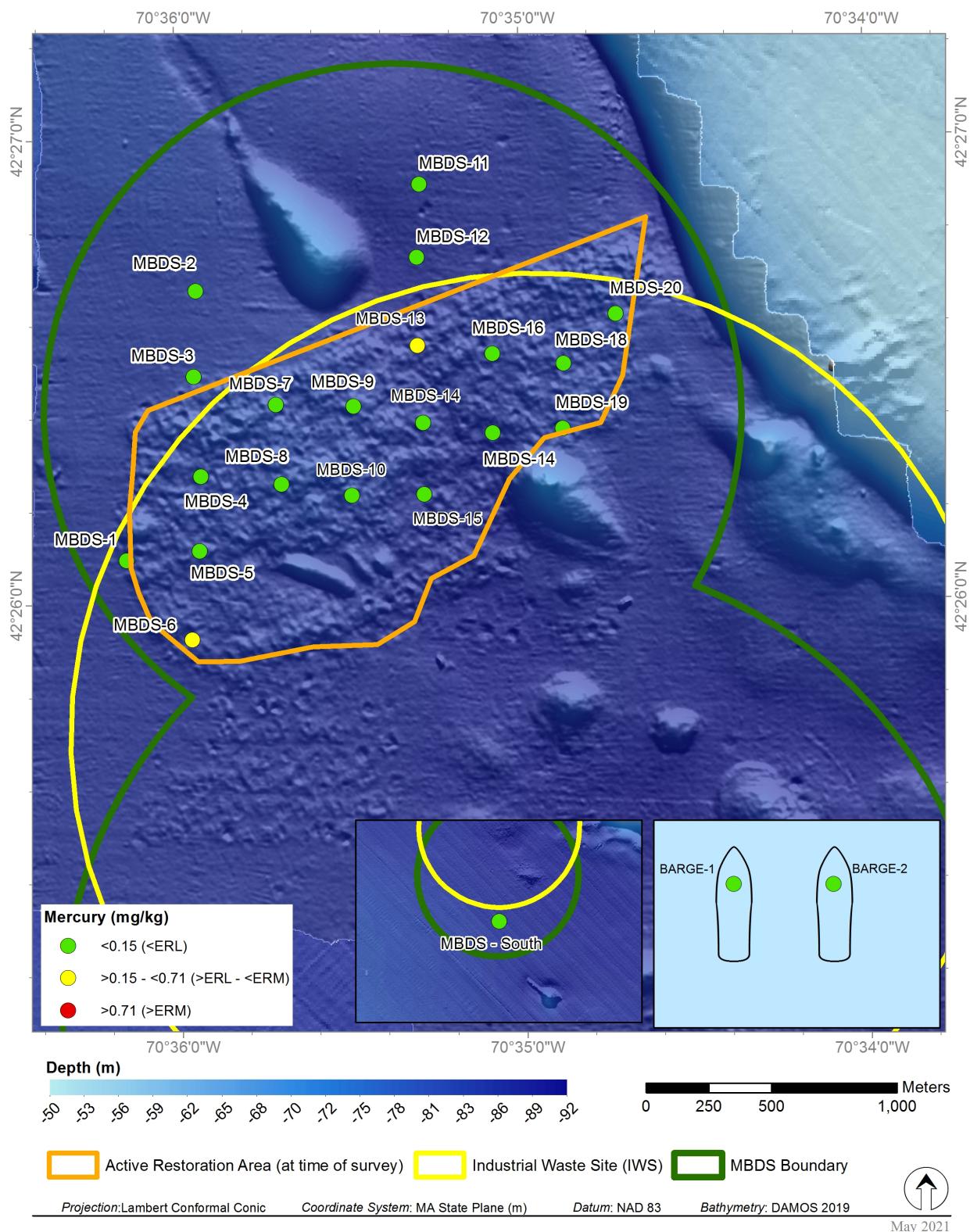


Figure 3-7. Mercury Concentrations Compared to the ER-L and ER-M Values

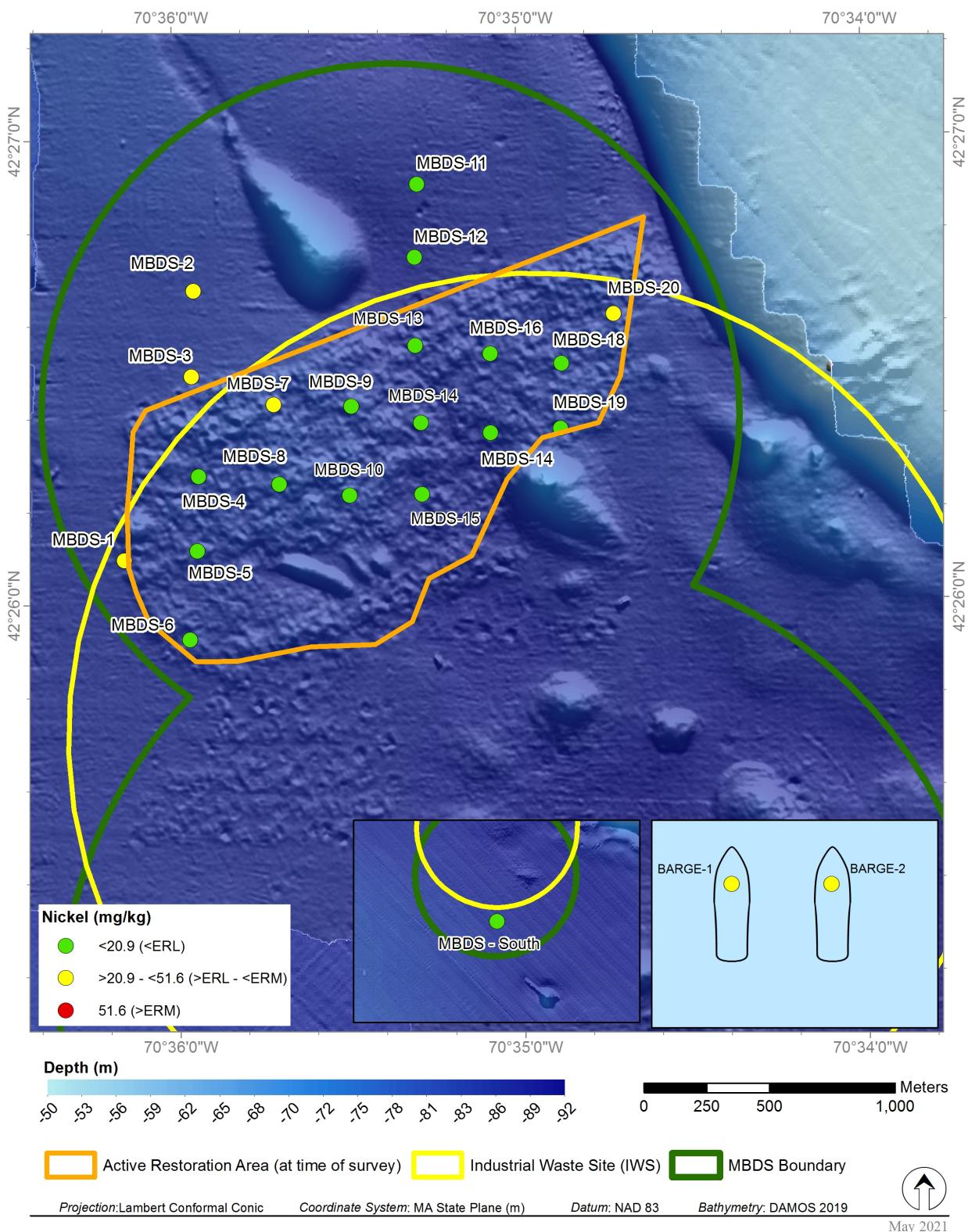


Figure 3-8. Nickel Concentrations Compared to the ER-L and ER-M Values

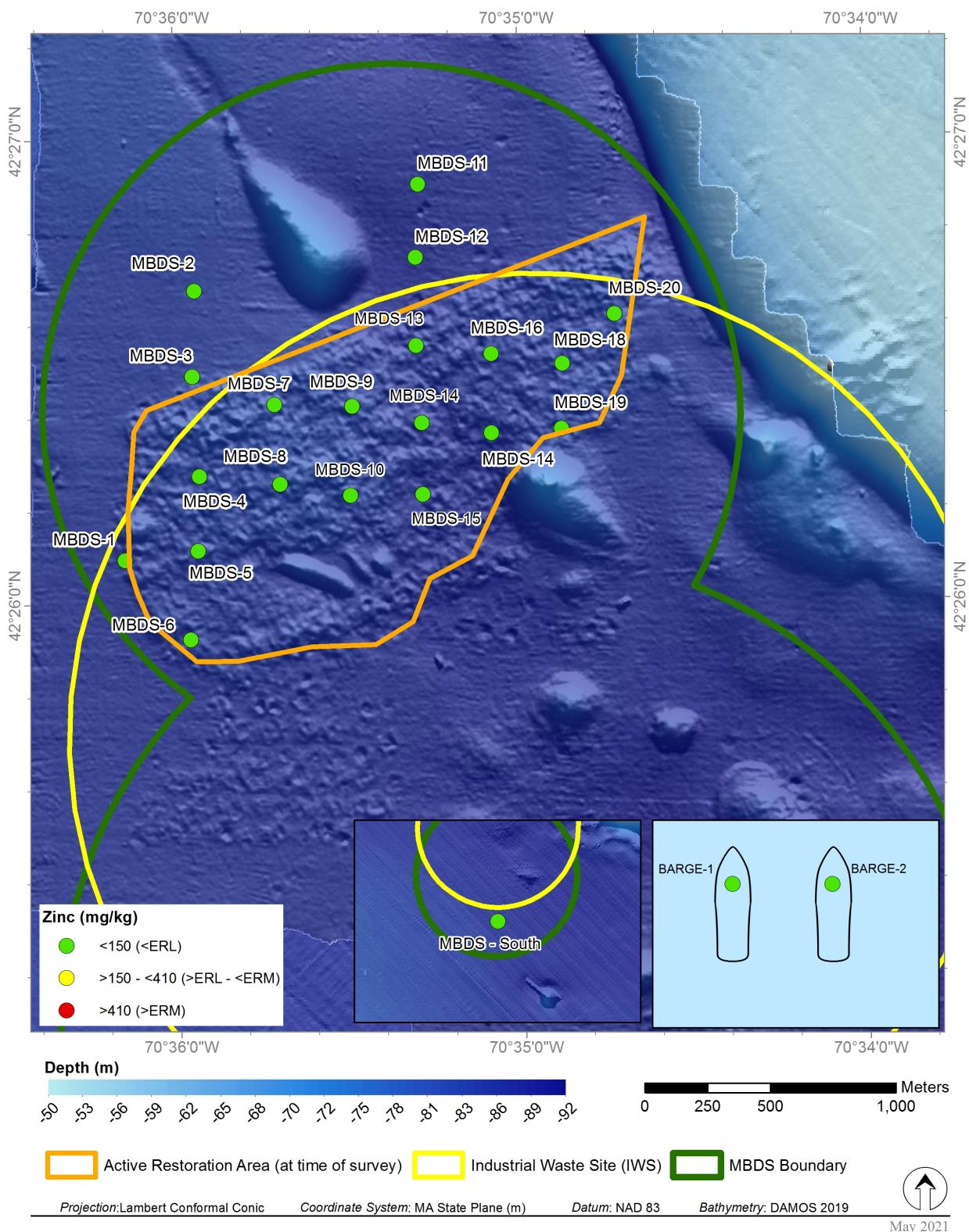


Figure 3-9. Zinc Concentrations Compared to the ER-L and ER-M Values

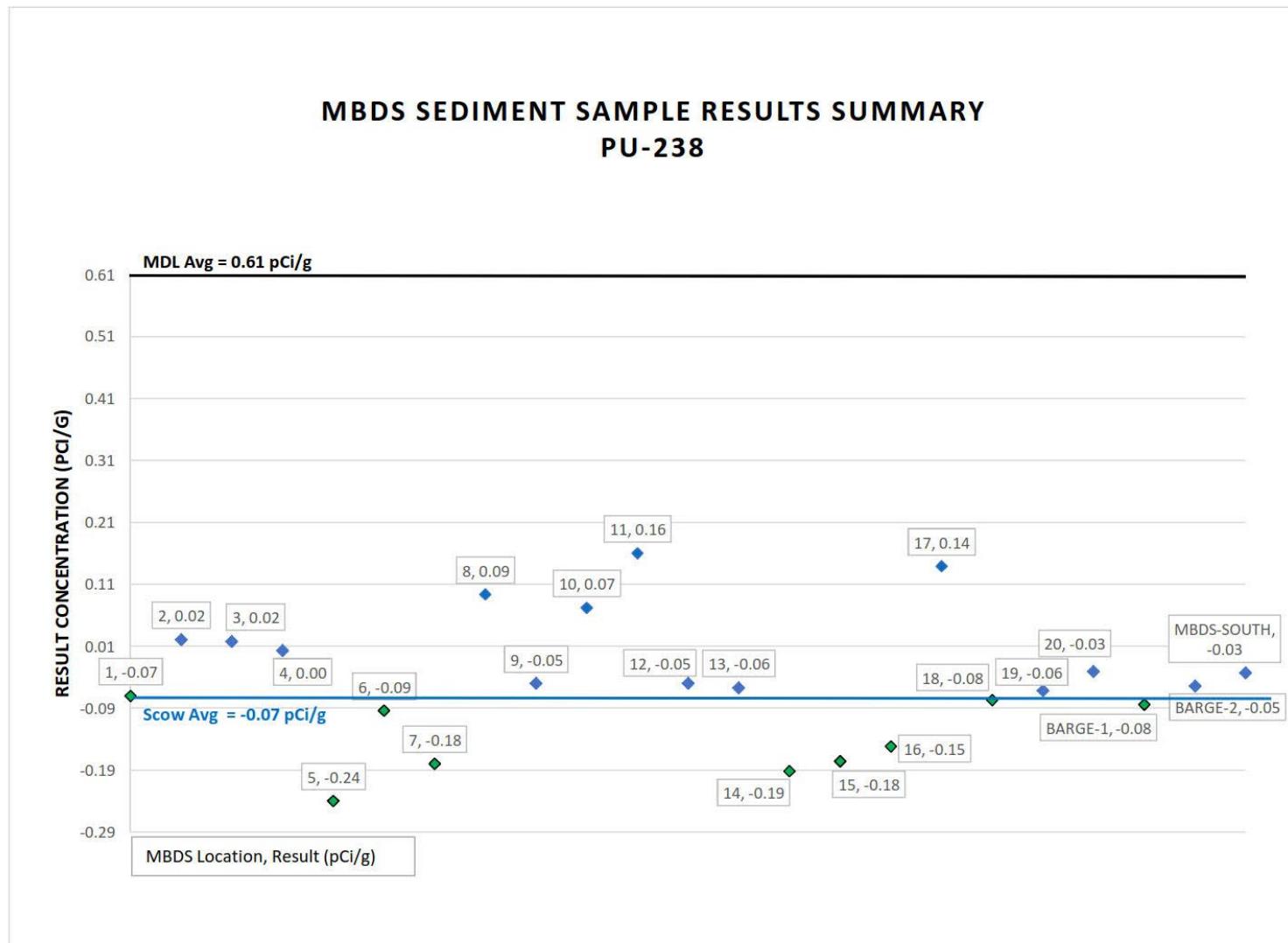


Figure 3-10. Plutonium 238 Results

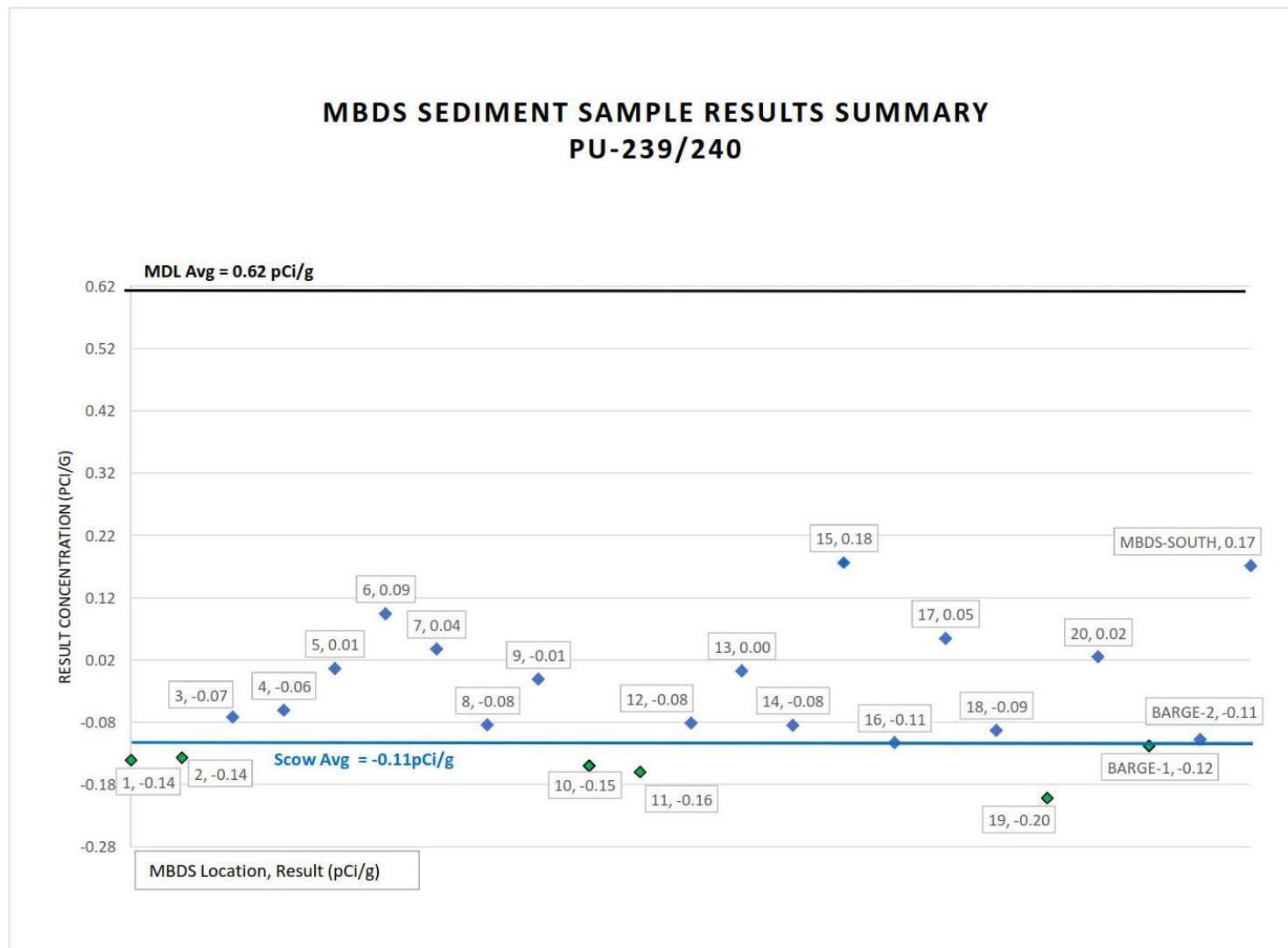


Figure 3-11. Plutonium 239/240 Results

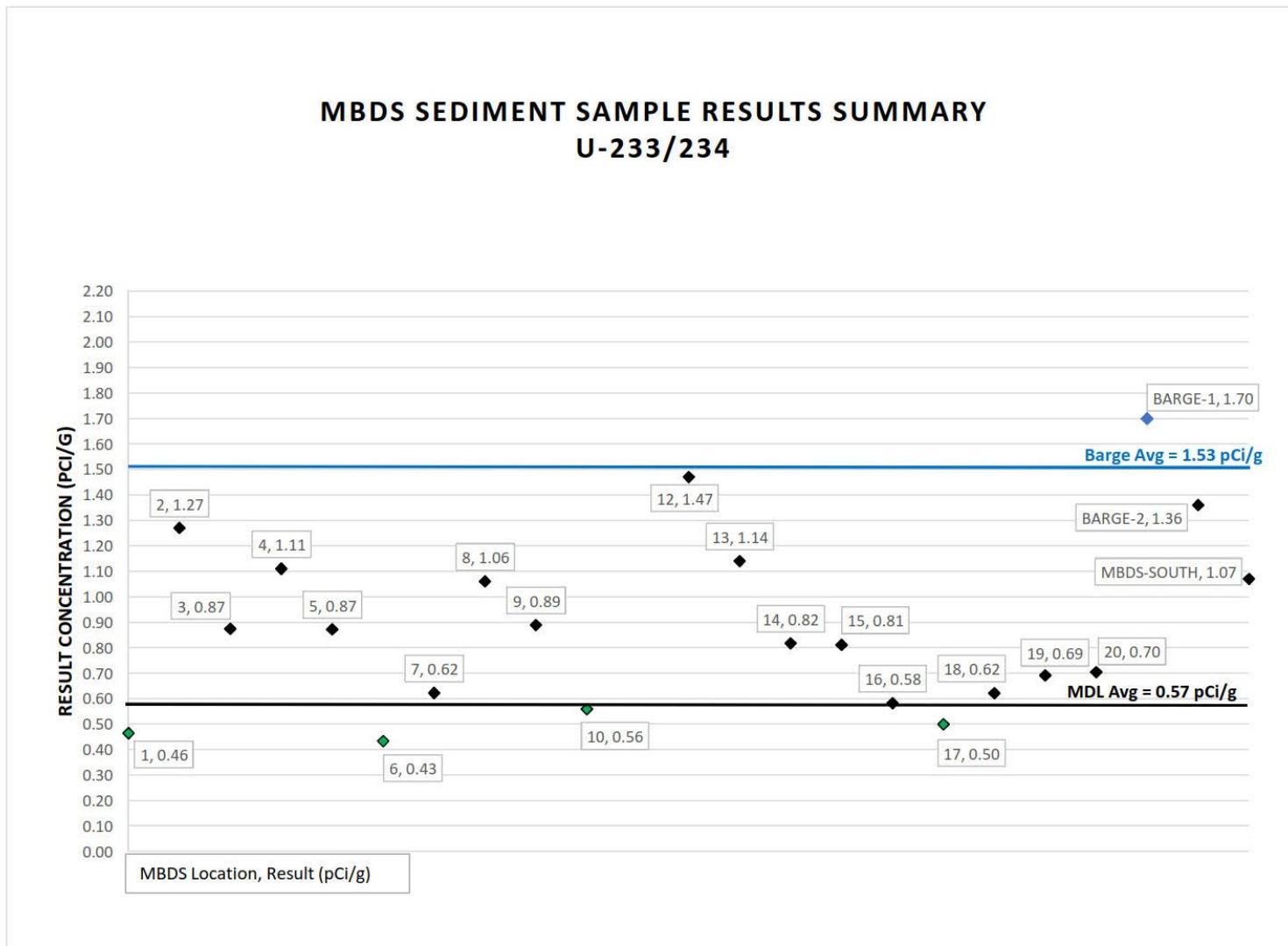


Figure 3-12. Uranium 233/234 Results

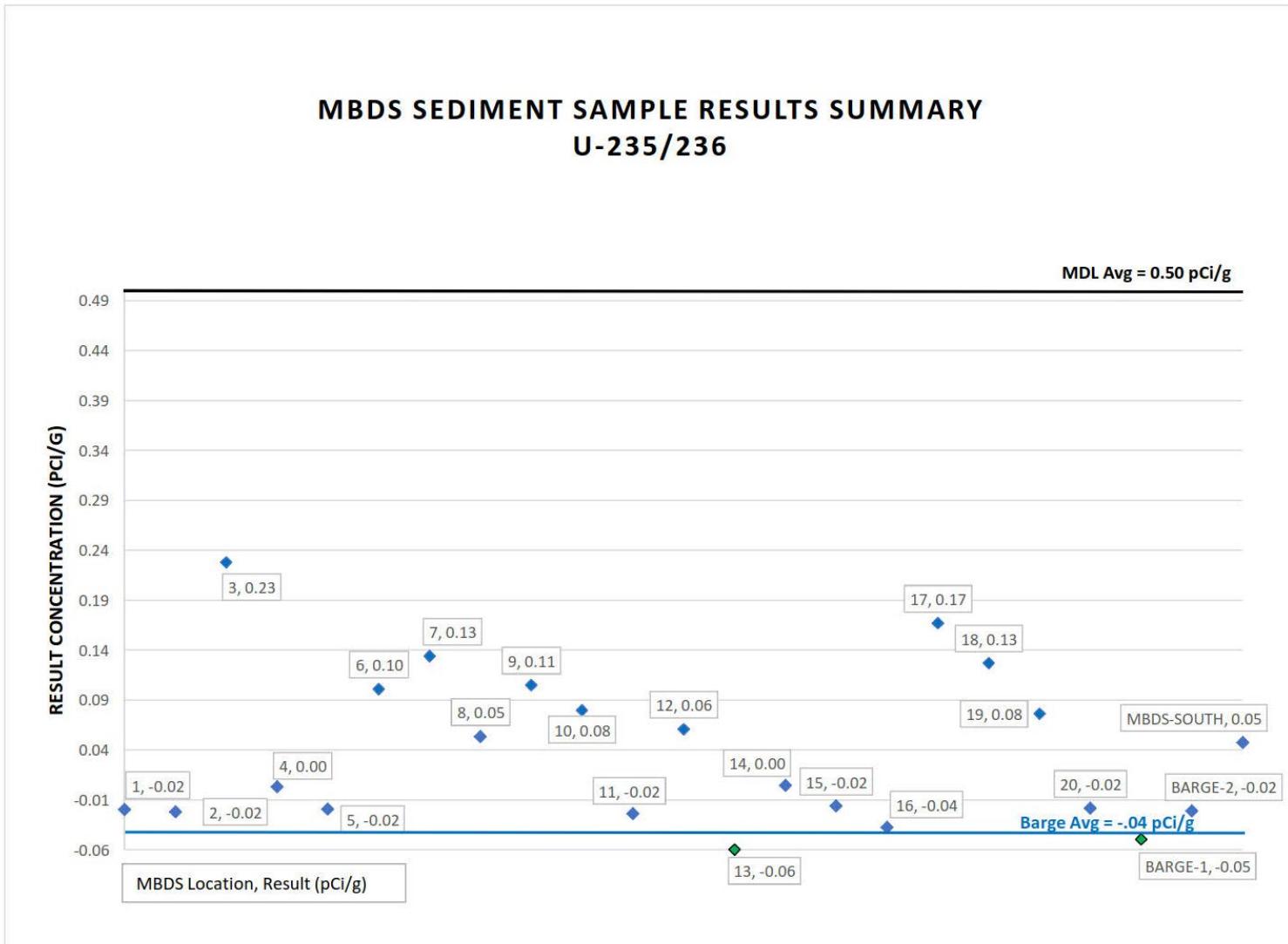


Figure 3-13. Uranium 235/236 Results

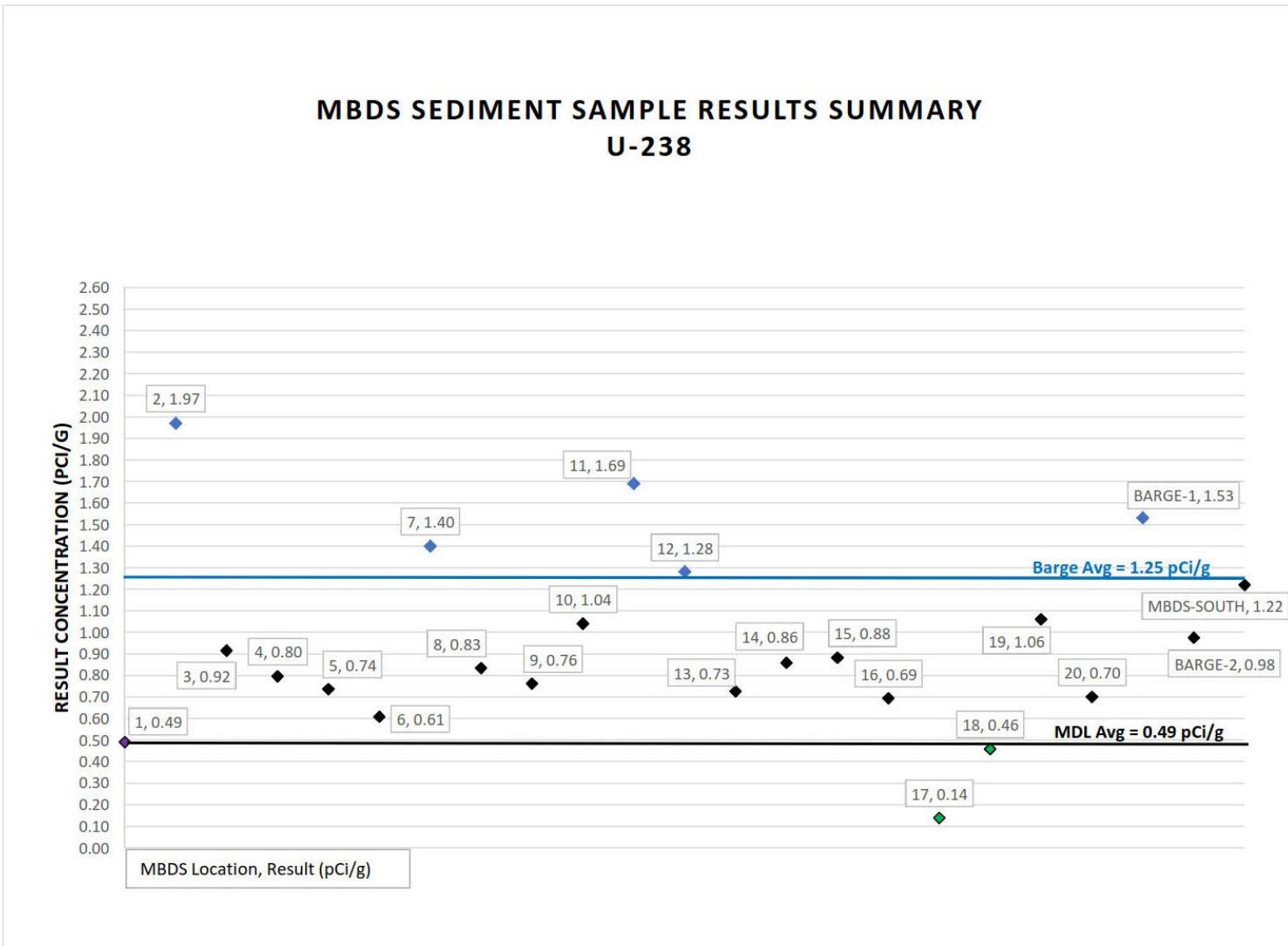


Figure 3-14. Uranium 238 Results

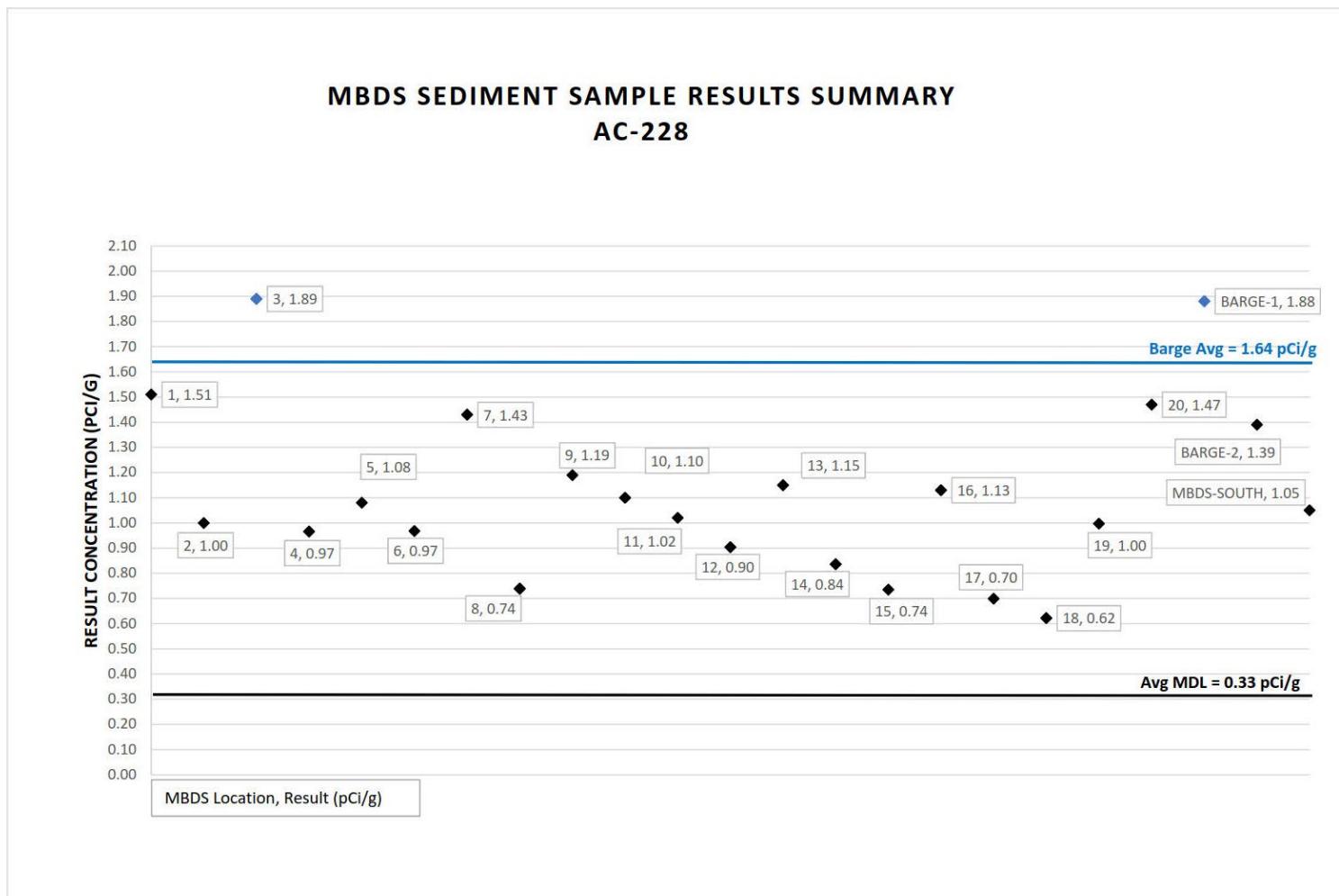


Figure 3-15. Actinium 228 Results

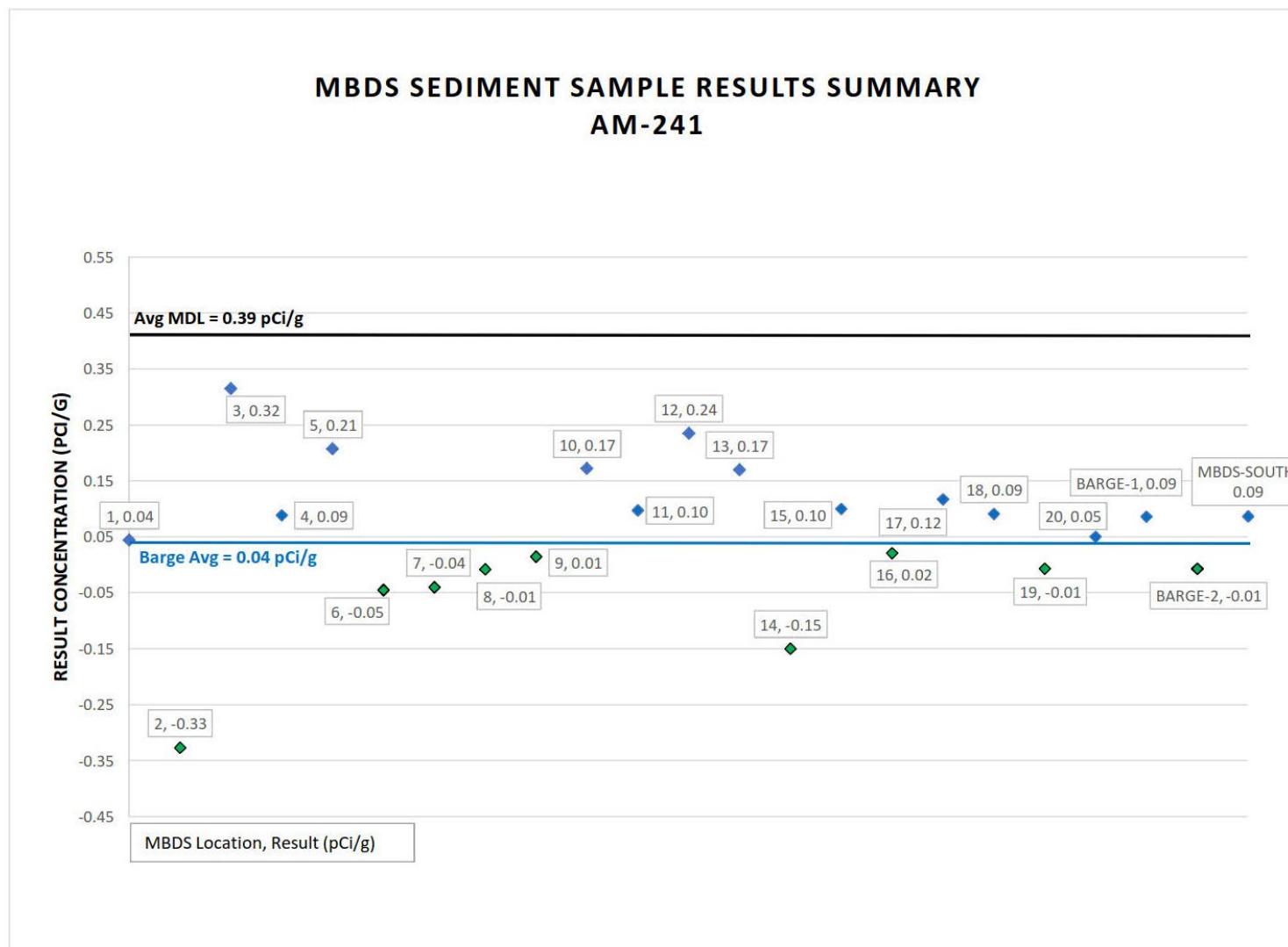


Figure 3-16. Americium 241 Results

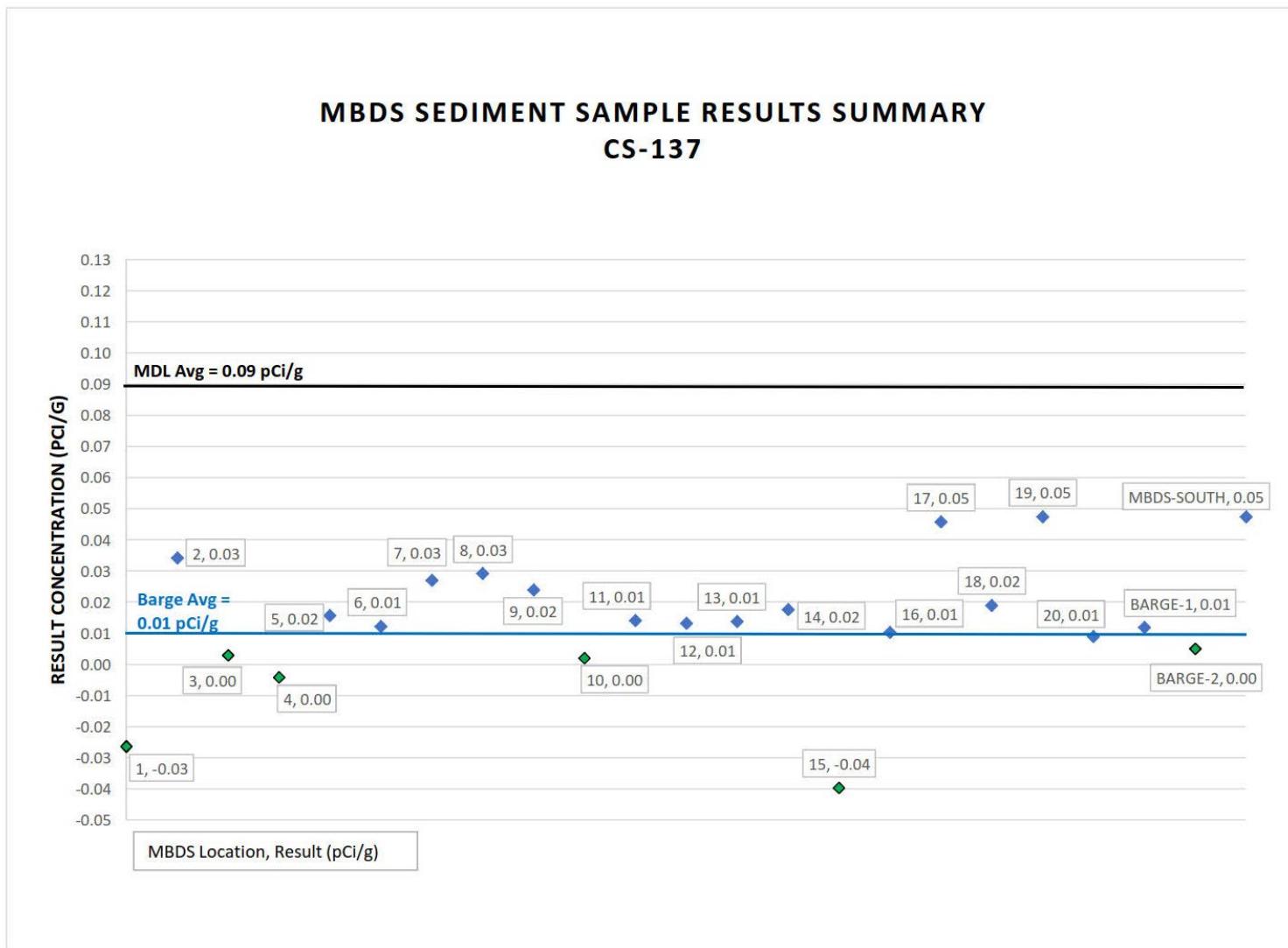


Figure 3-17. Cesium 137 Results

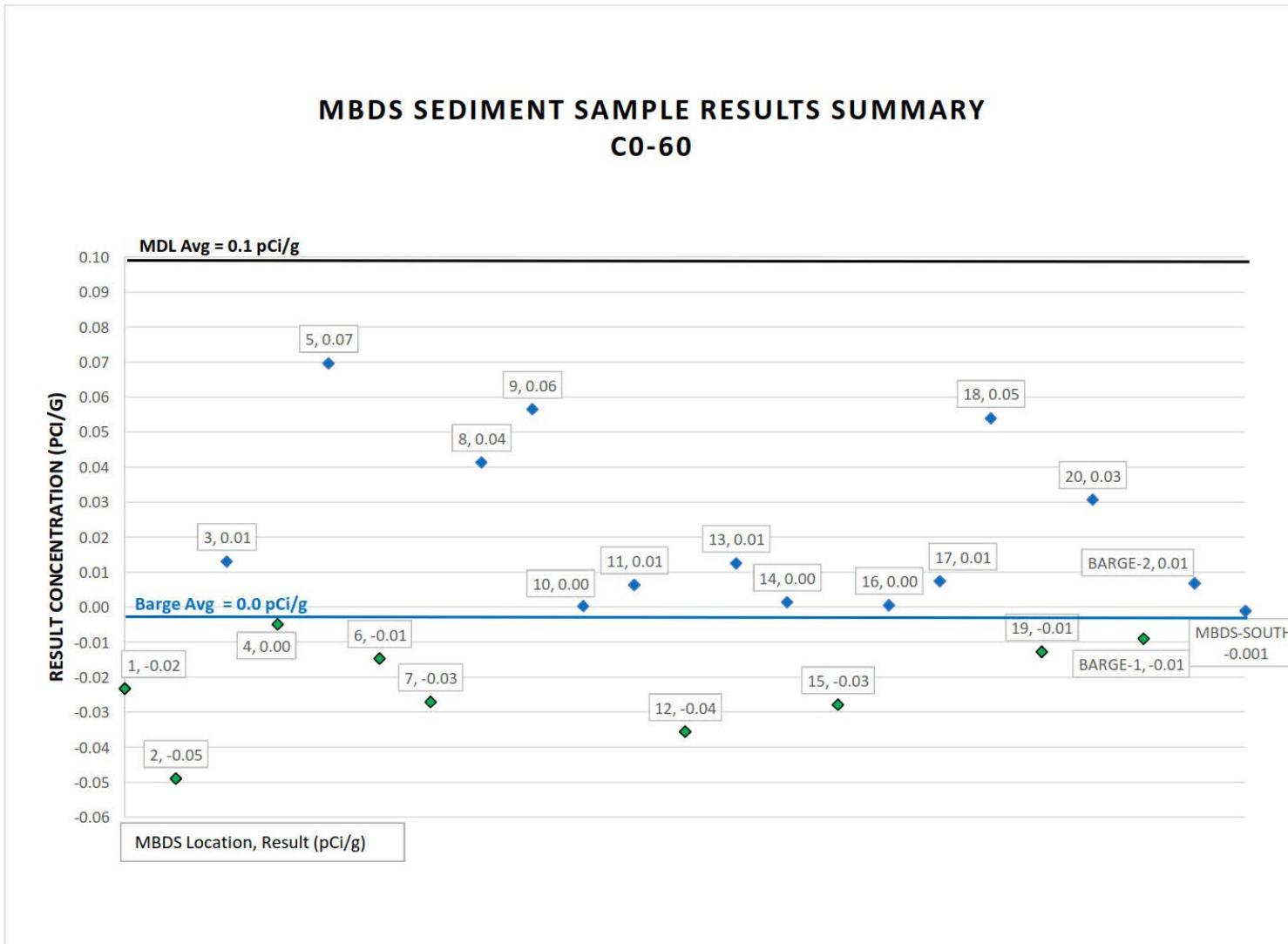


Figure 3-18. Cobalt 60 Results

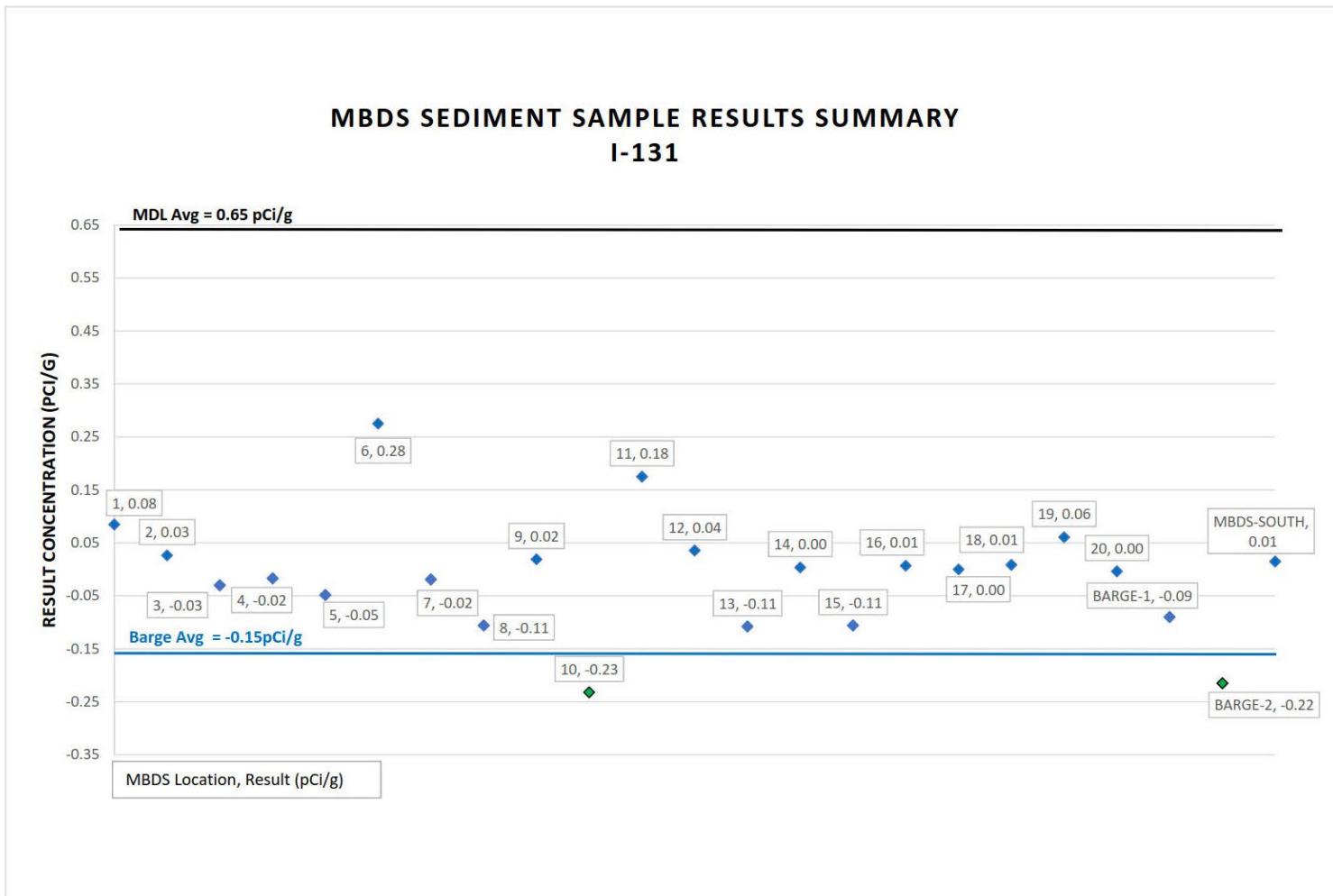


Figure 3-19. Iodine 131 Results

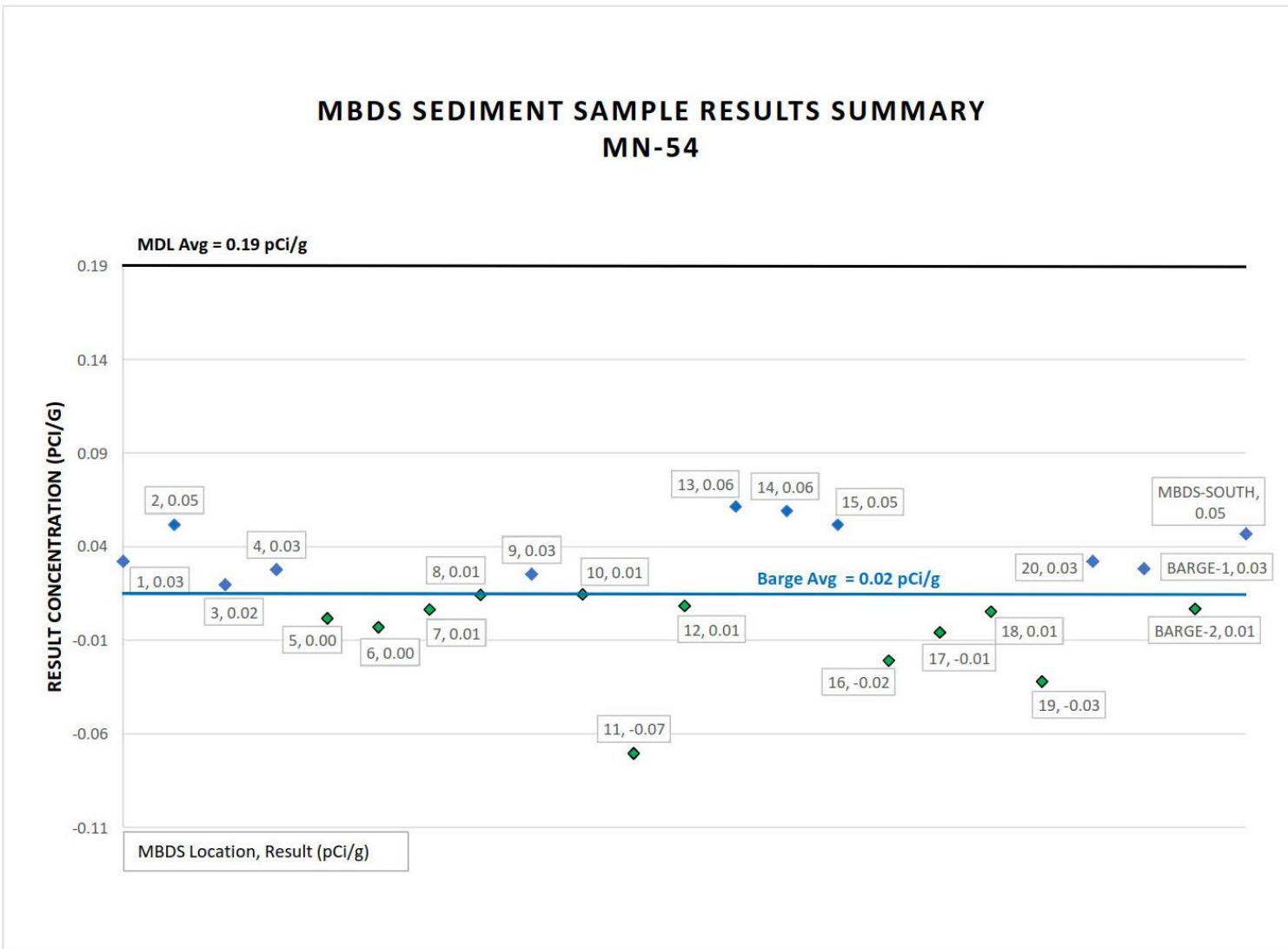


Figure 3-20. Manganese 54 Results

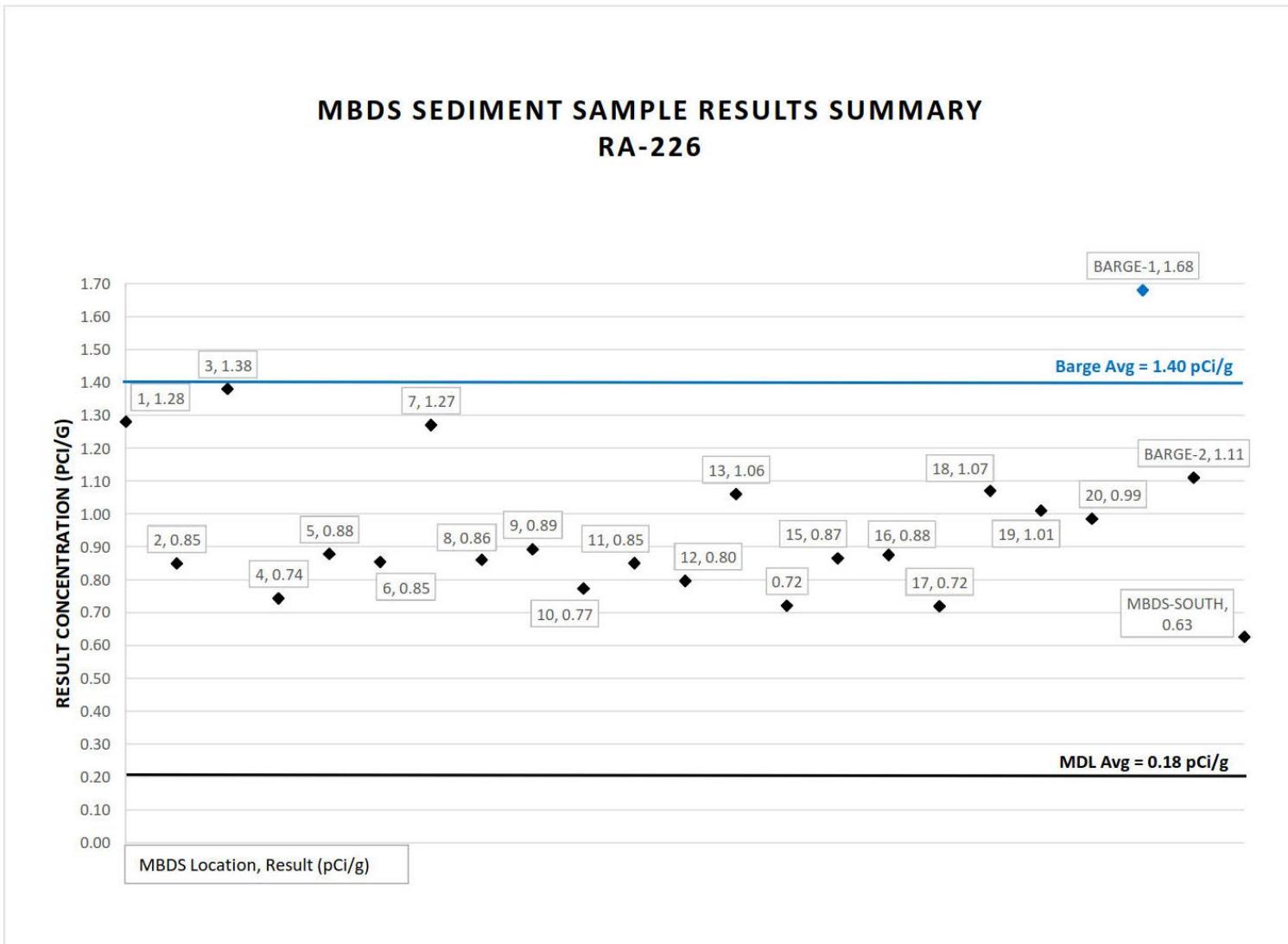


Figure 3-21. Radium 226 Results

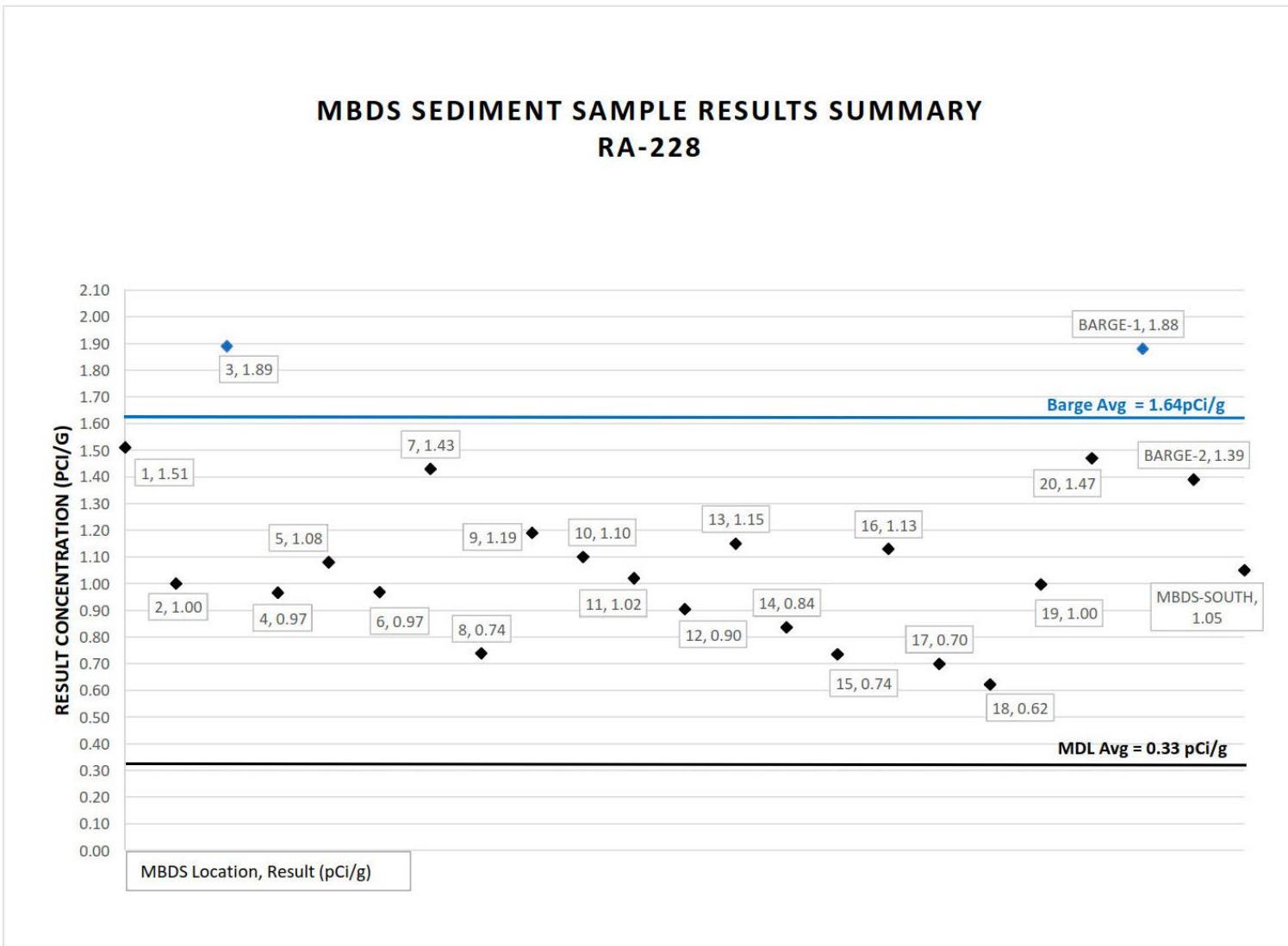


Figure 3-22. Radium 228 Results

MBDS SEDIMENT SAMPLE RESULTS SUMMARY SR-90

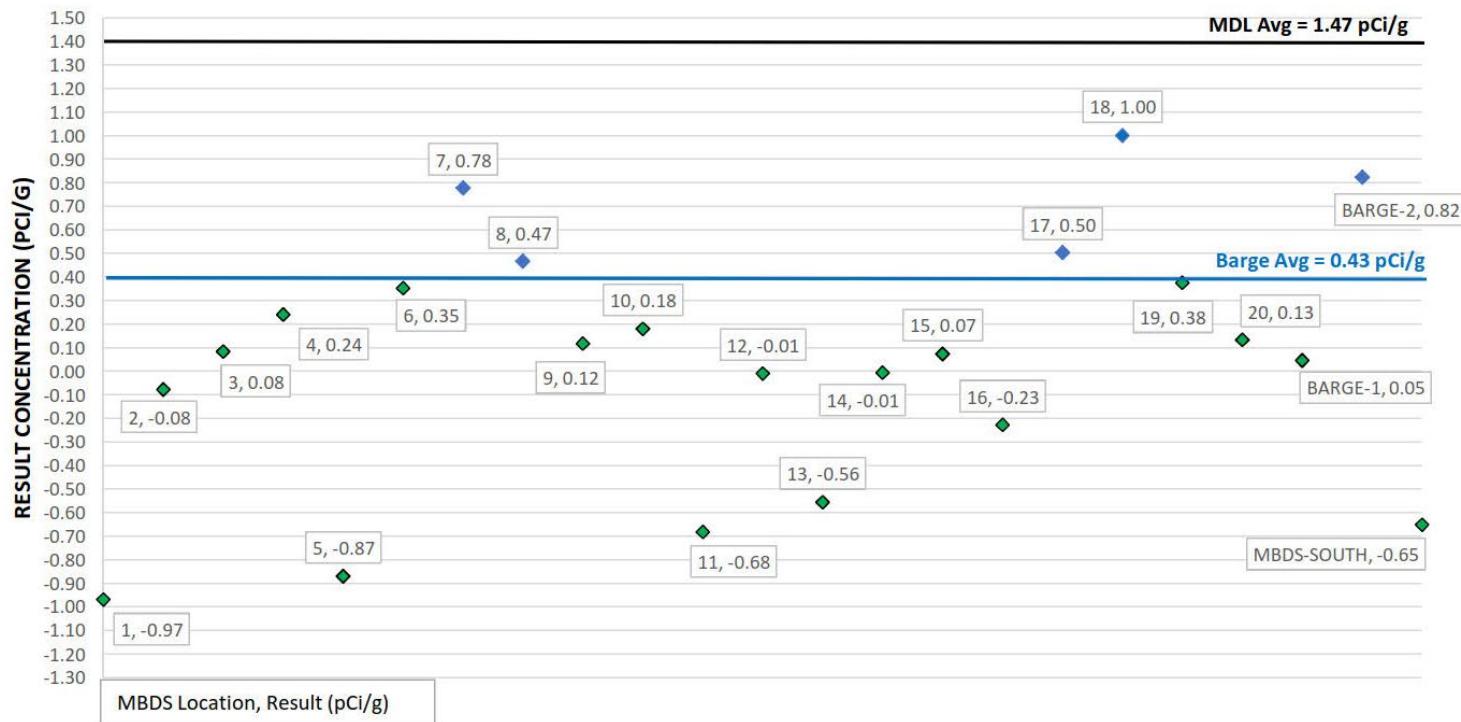


Figure 3-23. Strontium 90 Results

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Appendix A

Common Conversions

APPENDIX A.

Common Conversions

Metric	English
Area	
1 Square Kilometer (km^2)	247.12 Acres
Length	
1 Kilometer (km)	0.62 Miles (mi)
1 Kilometer (km)	0.54 Nautical Miles (nmi)
1 Meter (m)	3.28 Feet (ft)
1 Centimeter (cm)	0.39 Inches (in)
Volume	
1 Cubic Meter (m^3)	35.31 Cubic Feet (ft^3)
1 Cubic Meter (m^3)	1.31 Cubic Yards (yd^3)

Appendix B

MBDS Disposal Log Data (2015 – 2019)

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	3732	2853	7/10/2018	42.4310	-70.5987
Boston Harbor Improvement	MBDS	2472	1890	7/10/2018	42.4311	-70.5978
Boston Harbor Improvement	MBDS	2251	1721	7/10/2018	42.4309	-70.5997
Boston Harbor Improvement	MBDS	3820	2921	7/10/2018	42.4315	-70.5980
Boston Harbor Improvement	MBDS	3727	2849	7/11/2018	42.4306	-70.5993
Boston Harbor Improvement	MBDS	2516	1923	7/11/2018	42.4328	-70.5934
Boston Harbor Improvement	MBDS	3671	2807	7/11/2018	42.4312	-70.5980
Boston Harbor Improvement	MBDS	3374	2580	7/11/2018	42.4316	-70.5965
Boston Harbor Improvement	MBDS	2668	2040	7/12/2018	42.4318	-70.5967
Boston Harbor Improvement	MBDS	3736	2856	7/12/2018	42.4286	-70.5751
Boston Harbor Improvement	MBDS	2663	2036	7/12/2018	42.4317	-70.5966
Boston Harbor Improvement	MBDS	4513	3450	7/13/2018	42.4315	-70.5962
Boston Harbor Improvement	MBDS	3589	2744	7/13/2018	42.4321	-70.5957
Boston Harbor Improvement	MBDS	2588	1979	7/13/2018	42.4321	-70.5949
Boston Harbor Improvement	MBDS	3668	2805	7/13/2018	42.4320	-70.5951
Boston Harbor Improvement	MBDS	3784	2893	7/13/2018	42.4321	-70.5945
Boston Harbor Improvement	MBDS	2527	1932	7/13/2018	42.4324	-70.5954
Boston Harbor Improvement	MBDS	4119	3149	7/14/2018	42.4325	-70.5941
Boston Harbor Improvement	MBDS	3606	2757	7/14/2018	42.4322	-70.5935
Boston Harbor Improvement	MBDS	3758	2873	7/14/2018	42.4312	-70.6000
Boston Harbor Improvement	MBDS	2592	1982	7/14/2018	42.4312	-70.5999
Boston Harbor Improvement	MBDS	4047	3094	7/14/2018	42.4315	-70.5997
Boston Harbor Improvement	MBDS	3596	2749	7/14/2018	42.4317	-70.5986
Boston Harbor Improvement	MBDS	3909	2989	7/15/2018	42.4316	-70.5989
Boston Harbor Improvement	MBDS	2608	1994	7/15/2018	42.4315	-70.5985
Boston Harbor Improvement	MBDS	4158	3179	7/15/2018	42.4322	-70.5971
Boston Harbor Improvement	MBDS	3591	2745	7/15/2018	42.4320	-70.5977
Boston Harbor Improvement	MBDS	2781	2126	7/15/2018	42.4320	-70.5962
Boston Harbor Improvement	MBDS	3665	2802	7/15/2018	42.4318	-70.5978
Boston Harbor Improvement	MBDS	4028	3080	7/15/2018	42.4321	-70.5966
Boston Harbor Improvement	MBDS	2749	2102	7/16/2018	42.4322	-70.5962
Boston Harbor Improvement	MBDS	3116	2383	7/16/2018	42.4329	-70.5954
Boston Harbor Improvement	MBDS	3981	3044	7/16/2018	42.4325	-70.5953
Boston Harbor Improvement	MBDS	2657	2032	7/16/2018	42.4324	-70.5954
Boston Harbor Improvement	MBDS	3931	3005	7/16/2018	42.4324	-70.5939
Boston Harbor Improvement	MBDS	4190	3203	7/17/2018	42.4333	-70.5942
Boston Harbor Improvement	MBDS	3560	2722	7/17/2018	42.4334	-70.5931
Boston Harbor Improvement	MBDS	2789	2132	7/17/2018	42.4315	-70.6005
Boston Harbor Improvement	MBDS	3038	2323	7/17/2018	42.4314	-70.6001
Boston Harbor Improvement	MBDS	2005	1533	7/17/2018	42.4320	-70.6004
Boston Harbor Improvement	MBDS	2877	2200	7/17/2018	42.4316	-70.5995
Boston Harbor Improvement	MBDS	1623	1241	7/18/2018	42.4320	-70.5980
Boston Harbor Improvement	MBDS	1341	1025	7/18/2018	42.4321	-70.5992
Boston Harbor Improvement	MBDS	3890	2974	7/18/2018	42.4321	-70.5982
Boston Harbor Improvement	MBDS	3530	2699	7/18/2018	42.4321	-70.5982
Boston Harbor Improvement	MBDS	3516	2688	7/18/2018	42.4322	-70.5981
Boston Harbor Improvement	MBDS	4415	3376	7/19/2018	42.4362	-70.6019
Boston Harbor Improvement	MBDS	1648	1260	7/19/2018	42.4325	-70.5972
Boston Harbor Improvement	MBDS	1779	1360	7/19/2018	42.4324	-70.5971
Boston Harbor Improvement	MBDS	2404	1838	7/19/2018	42.4330	-70.5961
Boston Harbor Improvement	MBDS	3813	2915	7/19/2018	42.4330	-70.5951
Boston Harbor Improvement	MBDS	1851	1415	7/19/2018	42.4332	-70.5950
Boston Harbor Improvement	MBDS	2747	2100	7/20/2018	42.4333	-70.5950
Boston Harbor Improvement	MBDS	3776	2887	7/20/2018	42.4316	-70.6014
Boston Harbor Improvement	MBDS	1645	1258	7/20/2018	42.4314	-70.6003
Boston Harbor Improvement	MBDS	2751	2103	7/20/2018	42.4320	-70.6012
Boston Harbor Improvement	MBDS	3815	2916	7/20/2018	42.4322	-70.5999
Boston Harbor Improvement	MBDS	3901	2982	7/20/2018	42.4319	-70.6002
Boston Harbor Improvement	MBDS	3772	2884	7/21/2018	42.4325	-70.5996
Boston Harbor Improvement	MBDS	4284	3275	7/21/2018	42.4323	-70.5996
Boston Harbor Improvement	MBDS	1618	1237	7/21/2018	42.4327	-70.5988
Boston Harbor Improvement	MBDS	3768	2881	7/21/2018	42.4330	-70.5979

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3818	2919	7/21/2018	42.4329	-70.5975
Boston Harbor Improvement	MBDS	2641	2019	7/22/2018	42.4330	-70.5964
Boston Harbor Improvement	MBDS	3671	2807	7/22/2018	42.4333	-70.5966
Boston Harbor Improvement	MBDS	4050	3097	7/22/2018	42.4312	-70.5982
Boston Harbor Improvement	MBDS	3420	2615	7/22/2018	42.4332	-70.5966
Boston Harbor Improvement	MBDS	3805	2909	7/22/2018	42.4322	-70.6016
Boston Harbor Improvement	MBDS	1300	994	7/22/2018	42.4328	-70.6012
Boston Harbor Improvement	MBDS	3675	2810	7/23/2018	42.4322	-70.6016
Boston Harbor Improvement	MBDS	3633	2778	7/23/2018	42.4326	-70.6003
Boston Harbor Improvement	MBDS	3582	2738	7/23/2018	42.4323	-70.5998
Boston Harbor Improvement	MBDS	2653	2028	7/23/2018	42.4326	-70.5990
Boston Harbor Improvement	MBDS	3622	2769	7/23/2018	42.4328	-70.5995
Boston Harbor Improvement	MBDS	4200	3211	7/23/2018	42.4330	-70.5989
Boston Harbor Improvement	MBDS	3317	2536	7/23/2018	42.4329	-70.5993
Boston Harbor Improvement	MBDS	2595	1984	7/24/2018	42.4332	-70.5978
Boston Harbor Improvement	MBDS	3781	2891	7/24/2018	42.4328	-70.5983
Boston Harbor Improvement	MBDS	1945	1487	7/24/2018	42.4331	-70.5982
Boston Harbor Improvement	MBDS	2356	1801	7/24/2018	42.4346	-70.5964
Boston Harbor Improvement	MBDS	2821	2157	7/24/2018	42.4336	-70.5971
Boston Harbor Improvement	MBDS	1807	1381	7/24/2018	42.4335	-70.5972
Boston Harbor Improvement	MBDS	3628	2774	7/24/2018	42.4324	-70.6022
Boston Harbor Improvement	MBDS	2052	1569	7/25/2018	42.4325	-70.6022
Boston Harbor Improvement	MBDS	2715	2076	7/25/2018	42.4328	-70.6009
Boston Harbor Improvement	MBDS	1957	1496	7/25/2018	42.4331	-70.6013
Boston Harbor Improvement	MBDS	1654	1264	7/25/2018	42.4334	-70.5989
Boston Harbor Improvement	MBDS	2569	1964	7/25/2018	42.4330	-70.5996
Boston Harbor Improvement	MBDS	3537	2704	7/25/2018	42.4333	-70.5997
Boston Harbor Improvement	MBDS	3619	2767	7/25/2018	42.4331	-70.5996
Boston Harbor Improvement	MBDS	1838	1406	7/26/2018	42.4334	-70.5987
Boston Harbor Improvement	MBDS	1685	1289	7/26/2018	42.4311	-70.5986
Boston Harbor Improvement	MBDS	3749	2867	7/26/2018	42.4307	-70.5995
Boston Harbor Improvement	MBDS	4183	3198	7/26/2018	42.4308	-70.6000
Boston Harbor Improvement	MBDS	1852	1416	7/26/2018	42.4310	-70.5986
Boston Harbor Improvement	MBDS	1317	1007	7/27/2018	42.4314	-70.5975
Boston Harbor Improvement	MBDS	3679	2812	7/27/2018	42.4318	-70.5959
Boston Harbor Improvement	MBDS	4587	3507	7/27/2018	42.4316	-70.5964
Boston Harbor Improvement	MBDS	1955	1494	7/27/2018	42.4320	-70.5952
Boston Harbor Improvement	MBDS	3665	2802	7/27/2018	42.4318	-70.5961
Boston Harbor Improvement	MBDS	3867	2957	7/27/2018	42.4321	-70.5954
Boston Harbor Improvement	MBDS	2564	1960	7/27/2018	42.4327	-70.5941
Boston Harbor Improvement	MBDS	4360	3334	7/27/2018	42.4328	-70.5937
Boston Harbor Improvement	MBDS	3733	2854	7/28/2018	42.4311	-70.6001
Boston Harbor Improvement	MBDS	3988	3049	7/28/2018	42.4311	-70.6000
Boston Harbor Improvement	MBDS	4166	3185	7/28/2018	42.4329	-70.5983
Boston Harbor Improvement	MBDS	3843	2938	7/28/2018	42.4320	-70.5978
Boston Harbor Improvement	MBDS	3813	2915	7/28/2018	42.4315	-70.5987
Boston Harbor Improvement	MBDS	2608	1994	7/28/2018	42.4317	-70.5976
Boston Harbor Improvement	MBDS	2570	1965	7/28/2018	42.4317	-70.5976
Boston Harbor Improvement	MBDS	3715	2841	7/29/2018	42.4322	-70.5966
Boston Harbor Improvement	MBDS	1969	1505	7/29/2018	42.4320	-70.5966
Boston Harbor Improvement	MBDS	3830	2928	7/29/2018	42.4327	-70.5952
Boston Harbor Improvement	MBDS	4277	3270	7/29/2018	42.4325	-70.5956
Boston Harbor Improvement	MBDS	1745	1334	7/29/2018	42.4329	-70.5945
Boston Harbor Improvement	MBDS	1989	1521	7/29/2018	42.4324	-70.5942
Boston Harbor Improvement	MBDS	1313	1004	7/29/2018	42.4315	-70.6006
Boston Harbor Improvement	MBDS	2515	1923	7/29/2018	42.4315	-70.6006
Boston Harbor Improvement	MBDS	4181	3196	7/29/2018	42.4313	-70.6011
Boston Harbor Improvement	MBDS	1673	1279	7/30/2018	42.4320	-70.5993
Boston Harbor Improvement	MBDS	1673	1279	7/30/2018	42.4320	-70.5993
Boston Harbor Improvement	MBDS	3836	2933	7/30/2018	42.4317	-70.5989

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4308	3294	7/30/2018	42.4326	-70.5974
Boston Harbor Improvement	MBDS	3776	2887	7/30/2018	42.4323	-70.5982
Boston Harbor Improvement	MBDS	4112	3144	7/30/2018	42.4327	-70.5970
Boston Harbor Improvement	MBDS	3884	2969	7/30/2018	42.4329	-70.5965
Boston Harbor Improvement	MBDS	2447	1871	7/30/2018	42.4330	-70.5949
Boston Harbor Improvement	MBDS	4390	3357	7/31/2018	42.4334	-70.5951
Boston Harbor Improvement	MBDS	3867	2957	7/31/2018	42.4331	-70.5948
Boston Harbor Improvement	MBDS	3871	2960	7/31/2018	42.4314	-70.6005
Boston Harbor Improvement	MBDS	3812	2915	7/31/2018	42.4318	-70.6008
Boston Harbor Improvement	MBDS	4641	3548	7/31/2018	42.4320	-70.5999
Boston Harbor Improvement	MBDS	2394	1830	7/31/2018	42.4320	-70.5998
Boston Harbor Improvement	MBDS	3755	2871	7/31/2018	42.4325	-70.5989
Boston Harbor Improvement	MBDS	3529	2698	8/1/2018	42.4325	-70.5985
Boston Harbor Improvement	MBDS	4344	3321	8/1/2018	42.4328	-70.5961
Boston Harbor Improvement	MBDS	1946	1488	8/1/2018	42.4327	-70.5977
Boston Harbor Improvement	MBDS	3892	2975	8/1/2018	42.4333	-70.5965
Boston Harbor Improvement	MBDS	2419	1850	8/1/2018	42.4337	-70.5964
Boston Harbor Improvement	MBDS	3537	2704	8/1/2018	42.4322	-70.6015
Boston Harbor Improvement	MBDS	4336	3315	8/1/2018	42.4322	-70.6022
Boston Harbor Improvement	MBDS	4102	3136	8/2/2018	42.4324	-70.6005
Boston Harbor Improvement	MBDS	4474	3420	8/2/2018	42.4328	-70.5996
Boston Harbor Improvement	MBDS	3731	2853	8/2/2018	42.4328	-70.5994
Boston Harbor Improvement	MBDS	1946	1488	8/2/2018	42.4321	-70.5999
Boston Harbor Improvement	MBDS	3747	2864	8/3/2018	42.4331	-70.5981
Boston Harbor Improvement	MBDS	4475	3422	8/3/2018	42.4336	-70.5969
Boston Harbor Improvement	MBDS	3913	2991	8/3/2018	42.4327	-70.6022
Boston Harbor Improvement	MBDS	3689	2820	8/3/2018	42.4326	-70.6020
Boston Harbor Improvement	MBDS	4079	3119	8/3/2018	42.4327	-70.6011
Boston Harbor Improvement	MBDS	2048	1566	8/3/2018	42.4340	-70.5994
Boston Harbor Improvement	MBDS	1296	991	8/4/2018	42.4332	-70.5984
Boston Harbor Improvement	MBDS	2668	2040	8/4/2018	42.4333	-70.5969
Boston Harbor Improvement	MBDS	4280	3272	8/5/2018	42.4365	-70.5879
Boston Harbor Improvement	MBDS	1959	1497	8/5/2018	42.4352	-70.5887
Boston Harbor Improvement	MBDS	1281	980	8/5/2018	42.4331	-70.5998
Boston Harbor Improvement	MBDS	4365	3337	8/5/2018	42.4340	-70.5886
Boston Harbor Improvement	MBDS	3604	2756	8/5/2018	42.4351	-70.5866
Boston Harbor Improvement	MBDS	2454	1876	8/6/2018	42.4349	-70.5877
Boston Harbor Improvement	MBDS	2420	1850	8/6/2018	42.4348	-70.5869
Boston Harbor Improvement	MBDS	3781	2890	8/6/2018	42.4346	-70.5872
Boston Harbor Improvement	MBDS	4557	3484	8/6/2018	42.4343	-70.5875
Boston Harbor Improvement	MBDS	1305	998	8/6/2018	42.4340	-70.5881
Boston Harbor Improvement	MBDS	1305	998	8/6/2018	42.4341	-70.5864
Boston Harbor Improvement	MBDS	3800	2905	8/6/2018	42.4346	-70.5869
Boston Harbor Improvement	MBDS	3994	3054	8/6/2018	42.4347	-70.5862
Boston Harbor Improvement	MBDS	4229	3234	8/6/2018	42.4348	-70.5862
Boston Harbor Improvement	MBDS	3636	2780	8/7/2018	42.4346	-70.5868
Boston Harbor Improvement	MBDS	3694	2824	8/7/2018	42.4345	-70.5885
Boston Harbor Improvement	MBDS	4426	3384	8/7/2018	42.4344	-70.5863
Boston Harbor Improvement	MBDS	4110	3142	8/7/2018	42.4345	-70.5890
Boston Harbor Improvement	MBDS	3587	2743	8/7/2018	42.4350	-70.5874
Boston Harbor Improvement	MBDS	2081	1591	8/8/2018	42.4343	-70.5883
Boston Harbor Improvement	MBDS	4678	3576	8/8/2018	42.4349	-70.5875
Boston Harbor Improvement	MBDS	3955	3024	8/8/2018	42.4346	-70.5875
Boston Harbor Improvement	MBDS	3858	2950	8/8/2018	42.4349	-70.5881
Boston Harbor Improvement	MBDS	4271	3266	8/9/2018	42.4349	-70.5876
Boston Harbor Improvement	MBDS	3805	2909	8/9/2018	42.4354	-70.5852
Boston Harbor Improvement	MBDS	3808	2911	8/9/2018	42.4351	-70.5864
Boston Harbor Improvement	MBDS	4297	3285	8/9/2018	42.4353	-70.5863
Boston Harbor Improvement	MBDS	3763	2877	8/10/2018	42.4340	-70.5884
Boston Harbor Improvement	MBDS	3514	2687	8/10/2018	42.4346	-70.5868

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3864	2954	8/10/2018	42.4329	-70.5942
Boston Harbor Improvement	MBDS	4009	3065	8/11/2018	42.4328	-70.5942
Boston Harbor Improvement	MBDS	3603	2755	8/11/2018	42.4357	-70.5852
Boston Harbor Improvement	MBDS	3034	2320	8/11/2018	42.4347	-70.5890
Boston Harbor Improvement	MBDS	4340	3318	8/11/2018	42.4350	-70.5894
Boston Harbor Improvement	MBDS	3585	2741	8/12/2018	42.4349	-70.5893
Boston Harbor Improvement	MBDS	3385	2588	8/12/2018	42.4353	-70.5883
Boston Harbor Improvement	MBDS	4181	3196	8/12/2018	42.4353	-70.5880
Boston Harbor Improvement	MBDS	3767	2880	8/12/2018	42.4352	-70.5879
Boston Harbor Improvement	MBDS	3595	2748	8/13/2018	42.4355	-70.5871
Boston Harbor Improvement	MBDS	4574	3497	8/13/2018	42.4355	-70.5871
Boston Harbor Improvement	MBDS	3856	2948	8/13/2018	42.4355	-70.5871
Boston Harbor Improvement	MBDS	3504	2679	8/13/2018	42.4356	-70.5871
Boston Harbor Improvement	MBDS	4697	3591	8/13/2018	42.4357	-70.5859
Boston Harbor Improvement	MBDS	3205	2450	8/14/2018	42.4359	-70.5860
Boston Harbor Improvement	MBDS	3805	2909	8/14/2018	42.4358	-70.5856
Boston Harbor Improvement	MBDS	3226	2466	8/14/2018	42.4359	-70.5860
Boston Harbor Improvement	MBDS	3689	2820	8/14/2018	42.4350	-70.5896
Boston Harbor Improvement	MBDS	3257	2490	8/15/2018	42.4352	-70.5898
Boston Harbor Improvement	MBDS	3525	2695	8/15/2018	42.4349	-70.5896
Boston Harbor Improvement	MBDS	4617	3530	8/15/2018	42.4351	-70.5899
Boston Harbor Improvement	MBDS	3660	2798	8/15/2018	42.4354	-70.5886
Boston Harbor Improvement	MBDS	4293	3283	8/15/2018	42.4374	-70.5922
Boston Harbor Improvement	MBDS	3334	2549	8/16/2018	42.4354	-70.5888
Boston Harbor Improvement	MBDS	3668	2805	8/16/2018	42.4356	-70.5884
Boston Harbor Improvement	MBDS	4478	3424	8/16/2018	42.4358	-70.5873
Boston Harbor Improvement	MBDS	3611	2761	8/16/2018	42.4359	-70.5874
Boston Harbor Improvement	MBDS	3400	2599	8/16/2018	42.4357	-70.5875
Boston Harbor Improvement	MBDS	4342	3320	8/16/2018	42.4361	-70.5873
Boston Harbor Improvement	MBDS	2661	2035	8/17/2018	42.4361	-70.5860
Boston Harbor Improvement	MBDS	3630	2775	8/17/2018	42.4361	-70.5862
Boston Harbor Improvement	MBDS	3343	2556	8/17/2018	42.4361	-70.5863
Boston Harbor Improvement	MBDS	4317	3301	8/17/2018	42.4362	-70.5851
Boston Harbor Improvement	MBDS	3605	2756	8/17/2018	42.4365	-70.5846
Boston Harbor Improvement	MBDS	2826	2161	8/18/2018	42.4368	-70.5852
Boston Harbor Improvement	MBDS	3478	2659	8/18/2018	42.4363	-70.5851
Boston Harbor Improvement	MBDS	4538	3469	8/18/2018	42.4364	-70.5853
Boston Harbor Improvement	MBDS	3805	2909	8/18/2018	42.4324	-70.6002
Boston Harbor Improvement	MBDS	3765	2878	8/18/2018	42.4323	-70.6001
Boston Harbor Improvement	MBDS	3253	2487	8/18/2018	42.4356	-70.5902
Boston Harbor Improvement	MBDS	2910	2225	8/18/2018	42.4353	-70.5900
Boston Harbor Improvement	MBDS	4710	3601	8/18/2018	42.4353	-70.5903
Boston Harbor Improvement	MBDS	3687	2819	8/19/2018	42.4353	-70.5900
Boston Harbor Improvement	MBDS	2857	2184	8/19/2018	42.4356	-70.5888
Boston Harbor Improvement	MBDS	3237	2475	8/19/2018	42.4358	-70.5892
Boston Harbor Improvement	MBDS	4097	3133	8/20/2018	42.4358	-70.5891
Boston Harbor Improvement	MBDS	3899	2981	8/20/2018	42.4360	-70.5877
Boston Harbor Improvement	MBDS	2866	2191	8/20/2018	42.4356	-70.5891
Boston Harbor Improvement	MBDS	3796	2902	8/20/2018	42.4354	-70.5901
Boston Harbor Improvement	MBDS	4524	3458	8/20/2018	42.4363	-70.5882
Boston Harbor Improvement	MBDS	3850	2943	8/20/2018	42.4363	-70.5881
Boston Harbor Improvement	MBDS	2876	2199	8/20/2018	42.4363	-70.5880
Boston Harbor Improvement	MBDS	3779	2889	8/21/2018	42.4361	-70.5880
Boston Harbor Improvement	MBDS	3640	2783	8/21/2018	42.4361	-70.5879
Boston Harbor Improvement	MBDS	4283	3274	8/21/2018	42.4365	-70.5866
Boston Harbor Improvement	MBDS	3734	2855	8/21/2018	42.4363	-70.5867
Boston Harbor Improvement	MBDS	3789	2897	8/21/2018	42.4364	-70.5867
Boston Harbor Improvement	MBDS	2787	2131	8/21/2018	42.4364	-70.5869
Boston Harbor Improvement	MBDS	4400	3364	8/21/2018	42.4363	-70.5868
Boston Harbor Improvement	MBDS	3069	2346	8/22/2018	42.4355	-70.5885

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	3893	2976	8/22/2018	42.4368	-70.5858
Boston Harbor Improvement	MBDS	3698	2828	8/22/2018	42.4349	-70.5860
Boston Harbor Improvement	MBDS	2773	2120	8/22/2018	42.4326	-70.5959
Boston Harbor Improvement	MBDS	4261	3258	8/22/2018	42.4334	-70.5951
Boston Harbor Improvement	MBDS	3700	2829	8/22/2018	42.4347	-70.5893
Boston Harbor Improvement	MBDS	3725	2848	8/22/2018	42.4355	-70.5885
Boston Harbor Improvement	MBDS	3574	2733	8/22/2018	42.4360	-70.5854
Boston Harbor Improvement	MBDS	4220	3226	8/23/2018	42.4367	-70.5857
Boston Harbor Improvement	MBDS	2500	1911	8/23/2018	42.4371	-70.5855
Boston Harbor Improvement	MBDS	3651	2791	8/23/2018	42.4371	-70.5856
Boston Harbor Improvement	MBDS	3517	2689	8/23/2018	42.4372	-70.5849
Boston Harbor Improvement	MBDS	3541	2707	8/23/2018	42.4371	-70.5847
Boston Harbor Improvement	MBDS	4390	3356	8/23/2018	42.4370	-70.5849
Boston Harbor Improvement	MBDS	2920	2232	8/23/2018	42.4371	-70.5849
Boston Harbor Improvement	MBDS	3271	2501	8/24/2018	42.4369	-70.5847
Boston Harbor Improvement	MBDS	3784	2893	8/24/2018	42.4324	-70.6021
Boston Harbor Improvement	MBDS	3617	2765	8/24/2018	42.4326	-70.6003
Boston Harbor Improvement	MBDS	2798	2139	8/24/2018	42.4333	-70.5986
Boston Harbor Improvement	MBDS	4308	3294	8/24/2018	42.4335	-70.5986
Boston Harbor Improvement	MBDS	3633	2777	8/24/2018	42.4333	-70.5985
Boston Harbor Improvement	MBDS	3501	2677	8/24/2018	42.4332	-70.5965
Boston Harbor Improvement	MBDS	3901	2982	8/25/2018	42.4337	-70.5974
Boston Harbor Improvement	MBDS	4468	3416	8/25/2018	42.4338	-70.5979
Boston Harbor Improvement	MBDS	2759	2109	8/25/2018	42.4341	-70.5975
Boston Harbor Improvement	MBDS	3498	2675	8/25/2018	42.4338	-70.5977
Boston Harbor Improvement	MBDS	3814	2916	8/25/2018	42.4355	-70.5915
Boston Harbor Improvement	MBDS	3920	2997	8/25/2018	42.4356	-70.5918
Boston Harbor Improvement	MBDS	4229	3233	8/25/2018	42.4354	-70.5921
Boston Harbor Improvement	MBDS	3572	2731	8/26/2018	42.4353	-70.5919
Boston Harbor Improvement	MBDS	2959	2262	8/26/2018	42.4354	-70.5919
Boston Harbor Improvement	MBDS	3771	2883	8/26/2018	42.4357	-70.5907
Boston Harbor Improvement	MBDS	2767	2115	8/26/2018	42.4357	-70.5907
Boston Harbor Improvement	MBDS	3766	2879	8/26/2018	42.4357	-70.5900
Boston Harbor Improvement	MBDS	4130	3157	8/26/2018	42.4358	-70.5908
Boston Harbor Improvement	MBDS	3389	2591	8/26/2018	42.4368	-70.5899
Boston Harbor Improvement	MBDS	2758	2109	8/26/2018	42.4362	-70.5897
Boston Harbor Improvement	MBDS	3780	2890	8/27/2018	42.4359	-70.5890
Boston Harbor Improvement	MBDS	3638	2781	8/27/2018	42.4361	-70.5896
Boston Harbor Improvement	MBDS	4309	3294	8/27/2018	42.4360	-70.5901
Boston Harbor Improvement	MBDS	2791	2134	8/27/2018	42.4364	-70.5886
Boston Harbor Improvement	MBDS	3459	2644	8/27/2018	42.4366	-70.5885
Boston Harbor Improvement	MBDS	3762	2876	8/27/2018	42.4366	-70.5882
Boston Harbor Improvement	MBDS	3819	2920	8/28/2018	42.4365	-70.5884
Boston Harbor Improvement	MBDS	4294	3283	8/28/2018	42.4368	-70.5874
Boston Harbor Improvement	MBDS	2612	1997	8/28/2018	42.4371	-70.5871
Boston Harbor Improvement	MBDS	3311	2531	8/28/2018	42.4365	-70.5873
Boston Harbor Improvement	MBDS	4115	3146	8/28/2018	42.4368	-70.5873
Boston Harbor Improvement	MBDS	4384	3352	8/28/2018	42.4369	-70.5866
Boston Harbor Improvement	MBDS	2824	2159	8/28/2018	42.4372	-70.5862
Boston Harbor Improvement	MBDS	3469	2652	8/29/2018	42.4373	-70.5863
Boston Harbor Improvement	MBDS	3805	2909	8/29/2018	42.4371	-70.5860
Boston Harbor Improvement	MBDS	4165	3184	8/29/2018	42.4369	-70.5862
Boston Harbor Improvement	MBDS	2715	2076	8/29/2018	42.4374	-70.5852
Boston Harbor Improvement	MBDS	3330	2546	8/29/2018	42.4375	-70.5852
Boston Harbor Improvement	MBDS	3821	2921	8/29/2018	42.4375	-70.5849
Boston Harbor Improvement	MBDS	4277	3270	8/30/2018	42.4376	-70.5852
Boston Harbor Improvement	MBDS	2670	2041	8/30/2018	42.4375	-70.5851
Boston Harbor Improvement	MBDS	3788	2897	8/30/2018	42.4336	-70.6016
Boston Harbor Improvement	MBDS	3211	2455	8/30/2018	42.4329	-70.6023
Boston Harbor Improvement	MBDS	4385	3352	8/30/2018	42.4328	-70.6025

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	2748	2101	8/30/2018	42.4327	-70.6023
Boston Harbor Improvement	MBDS	3759	2874	8/30/2018	42.4329	-70.6020
Boston Harbor Improvement	MBDS	3609	2759	8/31/2018	42.4333	-70.6015
Boston Harbor Improvement	MBDS	3994	3054	8/31/2018	42.4332	-70.6013
Boston Harbor Improvement	MBDS	2527	1932	8/31/2018	42.4331	-70.6012
Boston Harbor Improvement	MBDS	3721	2845	8/31/2018	42.4326	-70.6017
Boston Harbor Improvement	MBDS	3728	2850	8/31/2018	42.4334	-70.6011
Boston Harbor Improvement	MBDS	4493	3435	8/31/2018	42.4335	-70.6000
Boston Harbor Improvement	MBDS	1940	1483	9/1/2018	42.4334	-70.5996
Boston Harbor Improvement	MBDS	2830	2164	9/1/2018	42.4333	-70.5998
Boston Harbor Improvement	MBDS	3249	2484	9/1/2018	42.4334	-70.5998
Boston Harbor Improvement	MBDS	3603	2755	9/1/2018	42.4335	-70.6003
Boston Harbor Improvement	MBDS	4293	3282	9/1/2018	42.4340	-70.5989
Boston Harbor Improvement	MBDS	3653	2793	9/1/2018	42.4340	-70.5987
Boston Harbor Improvement	MBDS	2774	2121	9/1/2018	42.4339	-70.5987
Boston Harbor Improvement	MBDS	2961	2264	9/2/2018	42.4337	-70.5988
Boston Harbor Improvement	MBDS	4284	3275	9/2/2018	42.4343	-70.5980
Boston Harbor Improvement	MBDS	3632	2777	9/2/2018	42.4339	-70.5989
Boston Harbor Improvement	MBDS	2825	2160	9/2/2018	42.4341	-70.5978
Boston Harbor Improvement	MBDS	3854	2946	9/2/2018	42.4343	-70.5974
Boston Harbor Improvement	MBDS	3242	2479	9/2/2018	42.4342	-70.5979
Boston Harbor Improvement	MBDS	4365	3337	9/2/2018	42.4341	-70.5978
Boston Harbor Improvement	MBDS	3899	2981	9/3/2018	42.4343	-70.5969
Boston Harbor Improvement	MBDS	3677	2811	9/3/2018	42.4347	-70.5965
Boston Harbor Improvement	MBDS	2622	2004	9/3/2018	42.4347	-70.5967
Boston Harbor Improvement	MBDS	3279	2507	9/3/2018	42.4346	-70.5967
Boston Harbor Improvement	MBDS	2735	2091	9/3/2018	42.4346	-70.5966
Boston Harbor Improvement	MBDS	4585	3506	9/4/2018	42.4345	-70.5964
Boston Harbor Improvement	MBDS	3302	2524	9/4/2018	42.4349	-70.5956
Boston Harbor Improvement	MBDS	4036	3086	9/4/2018	42.4349	-70.5943
Boston Harbor Improvement	MBDS	2769	2117	9/4/2018	42.4347	-70.5955
Boston Harbor Improvement	MBDS	3741	2861	9/4/2018	42.4349	-70.5955
Boston Harbor Improvement	MBDS	4304	3291	9/4/2018	42.4352	-70.5945
Boston Harbor Improvement	MBDS	3451	2639	9/4/2018	42.4315	-70.5976
Boston Harbor Improvement	MBDS	3820	2920	9/5/2018	42.4352	-70.5940
Boston Harbor Improvement	MBDS	3597	2750	9/5/2018	42.4356	-70.5928
Boston Harbor Improvement	MBDS	2725	2084	9/5/2018	42.4351	-70.5945
Boston Harbor Improvement	MBDS	4333	3313	9/5/2018	42.4354	-70.5946
Boston Harbor Improvement	MBDS	3259	2492	9/5/2018	42.4355	-70.5933
Boston Harbor Improvement	MBDS	4157	3178	9/5/2018	42.4358	-70.5931
Boston Harbor Improvement	MBDS	3897	2980	9/5/2018	42.4355	-70.5932
Boston Harbor Improvement	MBDS	2732	2089	9/5/2018	42.4357	-70.5932
Boston Harbor Improvement	MBDS	4238	3240	9/5/2018	42.4357	-70.5934
Boston Harbor Improvement	MBDS	3275	2504	9/6/2018	42.4358	-70.5920
Boston Harbor Improvement	MBDS	3771	2883	9/6/2018	42.4358	-70.5920
Boston Harbor Improvement	MBDS	4589	3509	9/6/2018	42.4359	-70.5921
Boston Harbor Improvement	MBDS	1488	1137	9/6/2018	42.4349	-70.5949
Boston Harbor Improvement	MBDS	3326	2543	9/6/2018	42.4364	-70.5909
Boston Harbor Improvement	MBDS	3536	2703	9/6/2018	42.4364	-70.5907
Boston Harbor Improvement	MBDS	3998	3057	9/7/2018	42.4363	-70.5911
Boston Harbor Improvement	MBDS	3275	2504	9/7/2018	42.4364	-70.5909
Boston Harbor Improvement	MBDS	2909	2224	9/7/2018	42.4366	-70.5899
Boston Harbor Improvement	MBDS	3374	2580	9/7/2018	42.4367	-70.5899
Boston Harbor Improvement	MBDS	4274	3268	9/7/2018	42.4366	-70.5900
Boston Harbor Improvement	MBDS	3249	2484	9/7/2018	42.4369	-70.5898
Boston Harbor Improvement	MBDS	3124	2389	9/7/2018	42.4366	-70.5886
Boston Harbor Improvement	MBDS	3461	2646	9/8/2018	42.4369	-70.5885
Boston Harbor Improvement	MBDS	4442	3396	9/8/2018	42.4370	-70.5889
Boston Harbor Improvement	MBDS	3246	2482	9/8/2018	42.4374	-70.5885
Boston Harbor Improvement	MBDS	2875	2198	9/8/2018	42.4366	-70.5883

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3789	2897	9/8/2018	42.4368	-70.5885
Boston Harbor Improvement	MBDS	4387	3354	9/8/2018	42.4372	-70.5877
Boston Harbor Improvement	MBDS	3221	2463	9/8/2018	42.4375	-70.5877
Boston Harbor Improvement	MBDS	3566	2726	9/9/2018	42.4372	-70.5875
Boston Harbor Improvement	MBDS	4344	3321	9/9/2018	42.4371	-70.5875
Boston Harbor Improvement	MBDS	3026	2313	9/9/2018	42.4370	-70.5874
Boston Harbor Improvement	MBDS	3322	2540	9/9/2018	42.4377	-70.5865
Boston Harbor Improvement	MBDS	3577	2735	9/9/2018	42.4377	-70.5864
Boston Harbor Improvement	MBDS	4249	3249	9/9/2018	42.4376	-70.5867
Boston Harbor Improvement	MBDS	2499	1911	9/9/2018	42.4376	-70.5864
Boston Harbor Improvement	MBDS	3800	2906	9/10/2018	42.4376	-70.5865
Boston Harbor Improvement	MBDS	3911	2990	9/10/2018	42.4381	-70.5854
Boston Harbor Improvement	MBDS	4914	3757	9/10/2018	42.4382	-70.5856
Boston Harbor Improvement	MBDS	3709	2836	9/10/2018	42.4382	-70.5856
Boston Harbor Improvement	MBDS	3488	2667	9/10/2018	42.4382	-70.5852
Boston Harbor Improvement	MBDS	3736	2856	9/11/2018	42.4382	-70.5842
Boston Harbor Improvement	MBDS	3788	2896	9/11/2018	42.4374	-70.5870
Boston Harbor Improvement	MBDS	3577	2735	9/11/2018	42.4385	-70.5841
Boston Harbor Improvement	MBDS	2375	1816	9/12/2018	42.4380	-70.5853
Boston Harbor Improvement	MBDS	4222	3228	9/12/2018	42.4381	-70.5841
Boston Harbor Improvement	MBDS	3910	2990	9/12/2018	42.4381	-70.5841
Boston Harbor Improvement	MBDS	3979	3042	9/12/2018	42.4387	-70.5832
Boston Harbor Improvement	MBDS	2757	2108	9/12/2018	42.4387	-70.5827
Boston Harbor Improvement	MBDS	3755	2871	9/13/2018	42.4385	-70.5831
Boston Harbor Improvement	MBDS	3773	2885	9/13/2018	42.4336	-70.5815
Boston Harbor Improvement	MBDS	2007	1534	9/13/2018	42.4387	-70.5831
Boston Harbor Improvement	MBDS	4163	3183	9/13/2018	42.4386	-70.5831
Boston Harbor Improvement	MBDS	2771	2119	9/13/2018	42.4390	-70.5819
Boston Harbor Improvement	MBDS	3308	2529	9/13/2018	42.4388	-70.5820
Boston Harbor Improvement	MBDS	4294	3283	9/14/2018	42.4393	-70.5810
Boston Harbor Improvement	MBDS	4117	3147	9/14/2018	42.4389	-70.5821
Boston Harbor Improvement	MBDS	2652	2028	9/14/2018	42.4389	-70.5820
Boston Harbor Improvement	MBDS	2080	1591	9/14/2018	42.4395	-70.5796
Boston Harbor Improvement	MBDS	2505	1915	9/14/2018	42.4395	-70.5801
Boston Harbor Improvement	MBDS	3524	2695	9/14/2018	42.4393	-70.5809
Boston Harbor Improvement	MBDS	4273	3267	9/14/2018	42.4392	-70.5812
Boston Harbor Improvement	MBDS	2645	2022	9/14/2018	42.4395	-70.5801
Boston Harbor Improvement	MBDS	3700	2829	9/14/2018	42.4394	-70.5798
Boston Harbor Improvement	MBDS	3530	2699	9/15/2018	42.4394	-70.5803
Boston Harbor Improvement	MBDS	3910	2990	9/15/2018	42.4393	-70.5799
Boston Harbor Improvement	MBDS	4432	3388	9/15/2018	42.4396	-70.5805
Boston Harbor Improvement	MBDS	2787	2131	9/15/2018	42.4332	-70.6025
Boston Harbor Improvement	MBDS	3799	2904	9/15/2018	42.4332	-70.6021
Boston Harbor Improvement	MBDS	2499	1910	9/15/2018	42.4335	-70.6021
Boston Harbor Improvement	MBDS	3472	2655	9/15/2018	42.4334	-70.6024
Boston Harbor Improvement	MBDS	3580	2737	9/15/2018	42.4335	-70.5807
Boston Harbor Improvement	MBDS	4030	3081	9/15/2018	42.4332	-70.6026
Boston Harbor Improvement	MBDS	2675	2045	9/16/2018	42.4337	-70.6015
Boston Harbor Improvement	MBDS	1891	1446	9/16/2018	42.4336	-70.6011
Boston Harbor Improvement	MBDS	4413	3374	9/16/2018	42.4340	-70.5990
Boston Harbor Improvement	MBDS	3556	2719	9/16/2018	42.4335	-70.6014
Boston Harbor Improvement	MBDS	4515	3452	9/16/2018	42.4337	-70.6013
Boston Harbor Improvement	MBDS	2622	2005	9/16/2018	42.4340	-70.5996
Boston Harbor Improvement	MBDS	2854	2182	9/16/2018	42.4340	-70.6000
Boston Harbor Improvement	MBDS	3326	2543	9/16/2018	42.4338	-70.6000
Boston Harbor Improvement	MBDS	2388	1826	9/17/2018	42.4340	-70.5996
Boston Harbor Improvement	MBDS	3974	3038	9/17/2018	42.4339	-70.6003
Boston Harbor Improvement	MBDS	4537	3469	9/17/2018	42.4345	-70.5980
Boston Harbor Improvement	MBDS	3241	2478	9/17/2018	42.4340	-70.5990
Boston Harbor Improvement	MBDS	4217	3224	9/17/2018	42.4343	-70.5991

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3680	2814	9/17/2018	42.4344	-70.5989
Boston Harbor Improvement	MBDS	4262	3258	9/17/2018	42.4342	-70.5992
Boston Harbor Improvement	MBDS	2431	1858	9/17/2018	42.4346	-70.5974
Boston Harbor Improvement	MBDS	3274	2503	9/18/2018	42.4345	-70.5980
Boston Harbor Improvement	MBDS	2906	2222	9/18/2018	42.4344	-70.5975
Boston Harbor Improvement	MBDS	3464	2648	9/18/2018	42.4338	-70.5816
Boston Harbor Improvement	MBDS	3657	2796	9/18/2018	42.4347	-70.5980
Boston Harbor Improvement	MBDS	2728	2086	9/18/2018	42.4345	-70.5979
Boston Harbor Improvement	MBDS	3376	2581	9/18/2018	42.4343	-70.5987
Boston Harbor Improvement	MBDS	2310	1766	9/18/2018	42.4352	-70.5967
Boston Harbor Improvement	MBDS	1181	903	9/19/2018	42.4350	-70.5962
Boston Harbor Improvement	MBDS	3679	2813	9/19/2018	42.4348	-70.5966
Boston Harbor Improvement	MBDS	2728	2086	9/19/2018	42.4351	-70.5965
Boston Harbor Improvement	MBDS	3510	2684	9/19/2018	42.4350	-70.5967
Boston Harbor Improvement	MBDS	1903	1455	9/19/2018	42.4353	-70.5956
Boston Harbor Improvement	MBDS	4306	3292	9/19/2018	42.4353	-70.5959
Boston Harbor Improvement	MBDS	2835	2168	9/19/2018	42.4355	-70.5955
Boston Harbor Improvement	MBDS	4017	3071	9/20/2018	42.4353	-70.5958
Boston Harbor Improvement	MBDS	3479	2660	9/20/2018	42.4357	-70.5945
Boston Harbor Improvement	MBDS	3748	2866	9/20/2018	42.4355	-70.5946
Boston Harbor Improvement	MBDS	4716	3606	9/20/2018	42.4355	-70.5949
Boston Harbor Improvement	MBDS	4258	3256	9/21/2018	42.4352	-70.5957
Boston Harbor Improvement	MBDS	2284	1746	9/21/2018	42.4358	-70.5942
Boston Harbor Improvement	MBDS	3653	2793	9/21/2018	42.4358	-70.5945
Boston Harbor Improvement	MBDS	4194	3207	9/21/2018	42.4357	-70.5940
Boston Harbor Improvement	MBDS	3535	2703	9/21/2018	42.4359	-70.5933
Boston Harbor Improvement	MBDS	3596	2749	9/21/2018	42.4360	-70.5935
Boston Harbor Improvement	MBDS	3980	3043	9/21/2018	42.4359	-70.5935
Boston Harbor Improvement	MBDS	2380	1820	9/21/2018	42.4360	-70.5932
Boston Harbor Improvement	MBDS	4285	3276	9/21/2018	42.4372	-70.5902
Boston Harbor Improvement	MBDS	3577	2735	9/21/2018	42.4364	-70.5921
Boston Harbor Improvement	MBDS	3253	2487	9/22/2018	42.4369	-70.5918
Boston Harbor Improvement	MBDS	3207	2452	9/22/2018	42.4362	-70.5921
Boston Harbor Improvement	MBDS	4334	3314	9/22/2018	42.4364	-70.5919
Boston Harbor Improvement	MBDS	4744	3627	9/22/2018	42.4371	-70.5905
Boston Harbor Improvement	MBDS	2963	2266	9/22/2018	42.4367	-70.5908
Boston Harbor Improvement	MBDS	2492	1906	9/22/2018	42.4367	-70.5911
Boston Harbor Improvement	MBDS	4129	3157	9/22/2018	42.4373	-70.5905
Boston Harbor Improvement	MBDS	4311	3296	9/22/2018	42.4369	-70.5909
Boston Harbor Improvement	MBDS	3370	2576	9/22/2018	42.4373	-70.5895
Boston Harbor Improvement	MBDS	2973	2273	9/23/2018	42.4372	-70.5894
Boston Harbor Improvement	MBDS	4491	3433	9/23/2018	42.4370	-70.5898
Boston Harbor Improvement	MBDS	2605	1992	9/23/2018	42.4371	-70.5892
Boston Harbor Improvement	MBDS	4674	3573	9/23/2018	42.4369	-70.5892
Boston Harbor Improvement	MBDS	3099	2370	9/23/2018	42.4372	-70.5883
Boston Harbor Improvement	MBDS	3441	2631	9/23/2018	42.4378	-70.5881
Boston Harbor Improvement	MBDS	2812	2150	9/23/2018	42.4374	-70.5883
Boston Harbor Improvement	MBDS	4273	3267	9/23/2018	42.4374	-70.5886
Boston Harbor Improvement	MBDS	3423	2617	9/23/2018	42.4347	-70.5979
Boston Harbor Improvement	MBDS	4412	3374	9/24/2018	42.4378	-70.5876
Boston Harbor Improvement	MBDS	3642	2785	9/24/2018	42.4379	-70.5869
Boston Harbor Improvement	MBDS	3069	2346	9/24/2018	42.4382	-70.5869
Boston Harbor Improvement	MBDS	4249	3248	9/24/2018	42.4378	-70.5875
Boston Harbor Improvement	MBDS	2301	1759	9/24/2018	42.4381	-70.5856
Boston Harbor Improvement	MBDS	2474	1892	9/24/2018	42.4377	-70.5876
Boston Harbor Improvement	MBDS	4703	3596	9/24/2018	42.4385	-70.5853
Boston Harbor Improvement	MBDS	4165	3184	9/25/2018	42.4379	-70.5869
Boston Harbor Improvement	MBDS	3491	2669	9/25/2018	42.4383	-70.5860
Boston Harbor Improvement	MBDS	3091	2363	9/25/2018	42.4382	-70.5863
Boston Harbor Improvement	MBDS	4640	3548	9/25/2018	42.4386	-70.5850

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	2618	2002	9/25/2018	42.4386	-70.5853
Boston Harbor Improvement	MBDS	4018	3072	9/25/2018	42.4387	-70.5844
Boston Harbor Improvement	MBDS	2599	1987	9/25/2018	42.4378	-70.5797
Boston Harbor Improvement	MBDS	3791	2898	9/25/2018	42.4311	-70.5992
Boston Harbor Improvement	MBDS	2466	1886	9/26/2018	42.4391	-70.5827
Boston Harbor Improvement	MBDS	4621	3533	9/26/2018	42.4387	-70.5844
Boston Harbor Improvement	MBDS	3243	2479	9/26/2018	42.4392	-70.5832
Boston Harbor Improvement	MBDS	4216	3223	9/26/2018	42.4392	-70.5833
Boston Harbor Improvement	MBDS	3581	2738	9/27/2018	42.4390	-70.5825
Boston Harbor Improvement	MBDS	3517	2689	9/27/2018	42.4391	-70.5831
Boston Harbor Improvement	MBDS	3071	2348	9/27/2018	42.4393	-70.5820
Boston Harbor Improvement	MBDS	3945	3016	9/27/2018	42.4399	-70.5804
Boston Harbor Improvement	MBDS	4257	3255	9/27/2018	42.4393	-70.5820
Boston Harbor Improvement	MBDS	3558	2721	9/27/2018	42.4395	-70.5818
Boston Harbor Improvement	MBDS	2543	1944	9/27/2018	42.4399	-70.5805
Boston Harbor Improvement	MBDS	683	522	9/27/2018	42.4397	-70.5816
Boston Harbor Improvement	MBDS	3357	2567	9/27/2018	42.4397	-70.5812
Boston Harbor Improvement	MBDS	4205	3215	9/27/2018	42.4399	-70.5808
Boston Harbor Improvement	MBDS	3584	2740	9/28/2018	42.4403	-70.5799
Boston Harbor Improvement	MBDS	4381	3349	9/28/2018	42.4403	-70.5793
Boston Harbor Improvement	MBDS	3495	2672	9/28/2018	42.4401	-70.5795
Boston Harbor Improvement	MBDS	2656	2030	9/28/2018	42.4401	-70.5793
Boston Harbor Improvement	MBDS	2925	2236	9/28/2018	42.4402	-70.5797
Boston Harbor Improvement	MBDS	2674	2045	9/28/2018	42.4343	-70.6009
Boston Harbor Improvement	MBDS	3716	2841	9/28/2018	42.4339	-70.6019
Boston Harbor Improvement	MBDS	4444	3397	9/28/2018	42.4402	-70.5796
Boston Harbor Improvement	MBDS	2797	2139	9/28/2018	42.4341	-70.6017
Boston Harbor Improvement	MBDS	4362	3335	9/29/2018	42.4342	-70.6016
Boston Harbor Improvement	MBDS	3690	2821	9/29/2018	42.4338	-70.6020
Boston Harbor Improvement	MBDS	2564	1960	9/29/2018	42.4352	-70.5988
Boston Harbor Improvement	MBDS	3715	2841	9/29/2018	42.4344	-70.6008
Boston Harbor Improvement	MBDS	4331	3312	9/29/2018	42.4344	-70.6009
Boston Harbor Improvement	MBDS	2473	1891	9/30/2018	42.4351	-70.5992
Boston Harbor Improvement	MBDS	3592	2746	9/30/2018	42.4342	-70.6009
Boston Harbor Improvement	MBDS	3331	2546	9/30/2018	42.4351	-70.5998
Boston Harbor Improvement	MBDS	4600	3517	9/30/2018	42.4346	-70.6000
Boston Harbor Improvement	MBDS	4155	3177	9/30/2018	42.4352	-70.5974
Boston Harbor Improvement	MBDS	3595	2749	9/30/2018	42.4346	-70.5997
Boston Harbor Improvement	MBDS	2783	2128	10/1/2018	42.4348	-70.5994
Boston Harbor Improvement	MBDS	2600	1988	10/1/2018	42.4351	-70.5968
Boston Harbor Improvement	MBDS	3143	2403	10/1/2018	42.4350	-70.5984
Boston Harbor Improvement	MBDS	4275	3269	10/1/2018	42.4348	-70.5992
Boston Harbor Improvement	MBDS	3711	2837	10/1/2018	42.4350	-70.5990
Boston Harbor Improvement	MBDS	1203	920	10/1/2018	42.4371	-70.5953
Boston Harbor Improvement	MBDS	3400	2600	10/1/2018	42.4351	-70.5982
Boston Harbor Improvement	MBDS	3863	2953	10/1/2018	42.4353	-70.5975
Boston Harbor Improvement	MBDS	4132	3159	10/2/2018	42.4353	-70.5975
Boston Harbor Improvement	MBDS	2313	1769	10/2/2018	42.4354	-70.5959
Boston Harbor Improvement	MBDS	3770	2882	10/2/2018	42.4359	-70.5957
Boston Harbor Improvement	MBDS	2848	2177	10/2/2018	42.4355	-70.5973
Boston Harbor Improvement	MBDS	3350	2561	10/2/2018	42.4355	-70.5969
Boston Harbor Improvement	MBDS	4486	3429	10/2/2018	42.4356	-70.5966
Boston Harbor Improvement	MBDS	4452	3404	10/2/2018	42.4359	-70.5959
Boston Harbor Improvement	MBDS	3575	2734	10/2/2018	42.4360	-70.5960
Boston Harbor Improvement	MBDS	3452	2639	10/3/2018	42.4358	-70.5959
Boston Harbor Improvement	MBDS	1869	1429	10/3/2018	42.4358	-70.5952
Boston Harbor Improvement	MBDS	2624	2006	10/3/2018	42.4363	-70.5942
Boston Harbor Improvement	MBDS	4326	3307	10/3/2018	42.4359	-70.5954
Boston Harbor Improvement	MBDS	2734	2090	10/3/2018	42.4360	-70.5953
Boston Harbor Improvement	MBDS	3511	2685	10/3/2018	42.4364	-70.5942

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3118	2384	10/3/2018	42.4365	-70.5938
Boston Harbor Improvement	MBDS	4256	3254	10/3/2018	42.4364	-70.5940
Boston Harbor Improvement	MBDS	3967	3033	10/3/2018	42.4364	-70.5941
Boston Harbor Improvement	MBDS	4001	3059	10/3/2018	42.4363	-70.5932
Boston Harbor Improvement	MBDS	3656	2796	10/4/2018	42.4365	-70.5932
Boston Harbor Improvement	MBDS	2870	2194	10/4/2018	42.4367	-70.5928
Boston Harbor Improvement	MBDS	3022	2310	10/4/2018	42.4366	-70.5934
Boston Harbor Improvement	MBDS	1820	1392	10/4/2018	42.4367	-70.5924
Boston Harbor Improvement	MBDS	3721	2845	10/4/2018	42.4371	-70.5928
Boston Harbor Improvement	MBDS	4173	3191	10/4/2018	42.4370	-70.5924
Boston Harbor Improvement	MBDS	3746	2864	10/4/2018	42.4377	-70.5919
Boston Harbor Improvement	MBDS	3034	2320	10/4/2018	42.4371	-70.5921
Boston Harbor Improvement	MBDS	3153	2411	10/4/2018	42.4372	-70.5908
Boston Harbor Improvement	MBDS	3836	2933	10/5/2018	42.4373	-70.5909
Boston Harbor Improvement	MBDS	4488	3431	10/5/2018	42.4379	-70.5894
Boston Harbor Improvement	MBDS	4253	3251	10/5/2018	42.4374	-70.5903
Boston Harbor Improvement	MBDS	2885	2206	10/5/2018	42.4375	-70.5906
Boston Harbor Improvement	MBDS	3750	2867	10/5/2018	42.4375	-70.5898
Boston Harbor Improvement	MBDS	2377	1817	10/5/2018	42.4379	-70.5893
Boston Harbor Improvement	MBDS	3507	2681	10/5/2018	42.4377	-70.5903
Boston Harbor Improvement	MBDS	4300	3288	10/5/2018	42.4379	-70.5891
Boston Harbor Improvement	MBDS	3870	2959	10/5/2018	42.4377	-70.5895
Boston Harbor Improvement	MBDS	4007	3063	10/5/2018	42.4381	-70.5888
Boston Harbor Improvement	MBDS	2532	1936	10/6/2018	42.4385	-70.5875
Boston Harbor Improvement	MBDS	2828	2162	10/6/2018	42.4381	-70.5883
Boston Harbor Improvement	MBDS	3660	2798	10/6/2018	42.4386	-70.5884
Boston Harbor Improvement	MBDS	3230	2469	10/6/2018	42.4382	-70.5885
Boston Harbor Improvement	MBDS	4292	3282	10/6/2018	42.4384	-70.5867
Boston Harbor Improvement	MBDS	4007	3064	10/6/2018	42.4384	-70.5871
Boston Harbor Improvement	MBDS	4430	3387	10/6/2018	42.4384	-70.5876
Boston Harbor Improvement	MBDS	2490	1904	10/6/2018	42.4386	-70.5874
Boston Harbor Improvement	MBDS	2920	2232	10/7/2018	42.4388	-70.5860
Boston Harbor Improvement	MBDS	3718	2843	10/7/2018	42.4385	-70.5874
Boston Harbor Improvement	MBDS	4357	3331	10/7/2018	42.4386	-70.5864
Boston Harbor Improvement	MBDS	3156	2413	10/7/2018	42.4385	-70.5866
Boston Harbor Improvement	MBDS	3736	2857	10/7/2018	42.4387	-70.5867
Boston Harbor Improvement	MBDS	2775	2121	10/7/2018	42.4386	-70.5861
Boston Harbor Improvement	MBDS	4384	3352	10/7/2018	42.4389	-70.5851
Boston Harbor Improvement	MBDS	2502	1913	10/7/2018	42.4386	-70.5860
Boston Harbor Improvement	MBDS	3663	2800	10/7/2018	42.4392	-70.5848
Boston Harbor Improvement	MBDS	4081	3121	10/7/2018	42.4393	-70.5845
Boston Harbor Improvement	MBDS	3261	2493	10/7/2018	42.4392	-70.5848
Boston Harbor Improvement	MBDS	3841	2937	10/8/2018	42.4393	-70.5839
Boston Harbor Improvement	MBDS	4258	3256	10/8/2018	42.4392	-70.5842
Boston Harbor Improvement	MBDS	2483	1899	10/8/2018	42.4396	-70.5827
Boston Harbor Improvement	MBDS	2639	2017	10/8/2018	42.4390	-70.5846
Boston Harbor Improvement	MBDS	3567	2727	10/8/2018	42.4396	-70.5839
Boston Harbor Improvement	MBDS	3123	2388	10/8/2018	42.4395	-70.5834
Boston Harbor Improvement	MBDS	4230	3234	10/8/2018	42.4399	-70.5821
Boston Harbor Improvement	MBDS	4309	3295	10/8/2018	42.4396	-70.5832
Boston Harbor Improvement	MBDS	3904	2985	10/8/2018	42.4396	-70.5825
Boston Harbor Improvement	MBDS	2358	1803	10/9/2018	42.4398	-70.5816
Boston Harbor Improvement	MBDS	3556	2719	10/9/2018	42.4400	-70.5818
Boston Harbor Improvement	MBDS	2705	2068	10/9/2018	42.4400	-70.5814
Boston Harbor Improvement	MBDS	3270	2500	10/9/2018	42.4401	-70.5812
Boston Harbor Improvement	MBDS	1668	1275	10/9/2018	42.4399	-70.5815
Boston Harbor Improvement	MBDS	4362	3335	10/9/2018	42.4398	-70.5818
Boston Harbor Improvement	MBDS	4432	3389	10/9/2018	42.4406	-70.5801
Boston Harbor Improvement	MBDS	4022	3075	10/9/2018	42.4404	-70.5802
Boston Harbor Improvement	MBDS	2724	2082	10/9/2018	42.4403	-70.5805

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	3413	2609	10/9/2018	42.4403	-70.5806
Boston Harbor Improvement	MBDS	4593	3511	10/10/2018	42.4407	-70.5799
Boston Harbor Improvement	MBDS	3864	2954	10/10/2018	42.4406	-70.5797
Boston Harbor Improvement	MBDS	2373	1814	10/10/2018	42.4400	-70.5825
Boston Harbor Improvement	MBDS	3506	2680	10/10/2018	42.4404	-70.5803
Boston Harbor Improvement	MBDS	3795	2902	10/10/2018	42.4404	-70.5796
Boston Harbor Improvement	MBDS	3596	2749	10/10/2018	42.4409	-70.5785
Boston Harbor Improvement	MBDS	3626	2773	10/10/2018	42.4407	-70.5790
Boston Harbor Improvement	MBDS	4417	3377	10/10/2018	42.4410	-70.5784
Boston Harbor Improvement	MBDS	3916	2994	10/11/2018	42.4406	-70.5789
Boston Harbor Improvement	MBDS	4092	3128	10/11/2018	42.4407	-70.5792
Boston Harbor Improvement	MBDS	3762	2876	10/11/2018	42.4344	-70.6019
Boston Harbor Improvement	MBDS	3727	2850	10/11/2018	42.4344	-70.6022
Boston Harbor Improvement	MBDS	2570	1965	10/11/2018	42.4340	-70.5805
Boston Harbor Improvement	MBDS	4481	3426	10/11/2018	42.4343	-70.6022
Boston Harbor Improvement	MBDS	4265	3261	10/11/2018	42.4343	-70.6019
Boston Harbor Improvement	MBDS	3687	2819	10/12/2018	42.4343	-70.6030
Boston Harbor Improvement	MBDS	3492	2670	10/12/2018	42.4347	-70.6013
Boston Harbor Improvement	MBDS	4210	3219	10/12/2018	42.4346	-70.6012
Boston Harbor Improvement	MBDS	4368	3340	10/12/2018	42.4338	-70.5801
Boston Harbor Improvement	MBDS	4490	3433	10/12/2018	42.4346	-70.6011
Boston Harbor Improvement	MBDS	2466	1886	10/12/2018	42.4351	-70.5996
Boston Harbor Improvement	MBDS	3659	2797	10/12/2018	42.4347	-70.6009
Boston Harbor Improvement	MBDS	4208	3218	10/12/2018	42.4352	-70.6004
Boston Harbor Improvement	MBDS	4204	3214	10/13/2018	42.4349	-70.6004
Boston Harbor Improvement	MBDS	3638	2781	10/13/2018	42.4350	-70.6000
Boston Harbor Improvement	MBDS	3888	2973	10/13/2018	42.4350	-70.5996
Boston Harbor Improvement	MBDS	4109	3142	10/13/2018	42.4349	-70.6003
Boston Harbor Improvement	MBDS	4600	3517	10/13/2018	42.4359	-70.5971
Boston Harbor Improvement	MBDS	3895	2978	10/13/2018	42.4354	-70.5987
Boston Harbor Improvement	MBDS	3623	2770	10/13/2018	42.4352	-70.5987
Boston Harbor Improvement	MBDS	3873	2961	10/14/2018	42.4353	-70.5989
Boston Harbor Improvement	MBDS	2194	1677	10/14/2018	42.4360	-70.5974
Boston Harbor Improvement	MBDS	4513	3450	10/14/2018	42.4356	-70.5979
Boston Harbor Improvement	MBDS	3535	2703	10/14/2018	42.4355	-70.5971
Boston Harbor Improvement	MBDS	4149	3172	10/14/2018	42.4351	-70.5976
Boston Harbor Improvement	MBDS	4524	3459	10/14/2018	42.4358	-70.5973
Boston Harbor Improvement	MBDS	3767	2880	10/14/2018	42.4356	-70.5977
Boston Harbor Improvement	MBDS	2513	1921	10/14/2018	42.4361	-70.5962
Boston Harbor Improvement	MBDS	4349	3325	10/14/2018	42.4357	-70.5970
Boston Harbor Improvement	MBDS	2589	1980	10/14/2018	42.4365	-70.5949
Boston Harbor Improvement	MBDS	3943	3015	10/14/2018	42.4357	-70.5972
Boston Harbor Improvement	MBDS	3822	2922	10/15/2018	42.4363	-70.5957
Boston Harbor Improvement	MBDS	3654	2794	10/15/2018	42.4360	-70.5963
Boston Harbor Improvement	MBDS	4702	3595	10/15/2018	42.4363	-70.5957
Boston Harbor Improvement	MBDS	4429	3386	10/15/2018	42.4362	-70.5959
Boston Harbor Improvement	MBDS	2416	1847	10/15/2018	42.4364	-70.5950
Boston Harbor Improvement	MBDS	4453	3405	10/15/2018	42.4363	-70.5960
Boston Harbor Improvement	MBDS	3636	2780	10/15/2018	42.4366	-70.5939
Boston Harbor Improvement	MBDS	2154	1647	10/15/2018	42.4370	-70.5931
Boston Harbor Improvement	MBDS	3587	2742	10/15/2018	42.4370	-70.5938
Boston Harbor Improvement	MBDS	4209	3218	10/15/2018	42.4367	-70.5941
Boston Harbor Improvement	MBDS	1367	1045	10/16/2018	42.4372	-70.5946
Boston Harbor Improvement	MBDS	4360	3334	10/16/2018	42.4370	-70.5926
Boston Harbor Improvement	MBDS	3751	2868	10/16/2018	42.4371	-70.5929
Boston Harbor Improvement	MBDS	3567	2727	10/16/2018	42.4370	-70.5933
Boston Harbor Improvement	MBDS	4228	3232	10/16/2018	42.4369	-70.5935
Boston Harbor Improvement	MBDS	4286	3277	10/16/2018	42.4361	-70.5964
Boston Harbor Improvement	MBDS	4342	3320	10/16/2018	42.4374	-70.5918
Boston Harbor Improvement	MBDS	3704	2832	10/17/2018	42.4373	-70.5918

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	4291	3281	10/17/2018	42.4372	-70.5921
Boston Harbor Improvement	MBDS	3678	2812	10/17/2018	42.4375	-70.5919
Boston Harbor Improvement	MBDS	2502	1913	10/17/2018	42.4376	-70.5918
Boston Harbor Improvement	MBDS	3732	2853	10/17/2018	42.4378	-70.5912
Boston Harbor Improvement	MBDS	4106	3139	10/17/2018	42.4377	-70.5912
Boston Harbor Improvement	MBDS	4201	3212	10/17/2018	42.4376	-70.5907
Boston Harbor Improvement	MBDS	3585	2741	10/18/2018	42.4371	-70.5901
Boston Harbor Improvement	MBDS	4108	3141	10/18/2018	42.4399	-70.5837
Boston Harbor Improvement	MBDS	3808	2911	10/18/2018	42.4378	-70.5906
Boston Harbor Improvement	MBDS	4654	3558	10/18/2018	42.4380	-70.5898
Boston Harbor Improvement	MBDS	3871	2960	10/18/2018	42.4381	-70.5894
Boston Harbor Improvement	MBDS	920	704	10/18/2018	42.4380	-70.5855
Boston Harbor Improvement	MBDS	3767	2880	10/18/2018	42.4380	-70.5898
Boston Harbor Improvement	MBDS	3636	2780	10/19/2018	42.4383	-70.5882
Boston Harbor Improvement	MBDS	4240	3242	10/19/2018	42.4386	-70.5880
Boston Harbor Improvement	MBDS	3837	2933	10/19/2018	42.4384	-70.5888
Boston Harbor Improvement	MBDS	4821	3686	10/19/2018	42.4384	-70.5885
Boston Harbor Improvement	MBDS	4362	3335	10/19/2018	42.4383	-70.5889
Boston Harbor Improvement	MBDS	4399	3364	10/19/2018	42.4388	-70.5873
Boston Harbor Improvement	MBDS	3472	2654	10/19/2018	42.4386	-70.5880
Boston Harbor Improvement	MBDS	1002	766	10/19/2018	42.4342	-70.5808
Boston Harbor Improvement	MBDS	3719	2843	10/19/2018	42.4388	-70.5874
Boston Harbor Improvement	MBDS	4122	3152	10/20/2018	42.4386	-70.5879
Boston Harbor Improvement	MBDS	4345	3322	10/20/2018	42.4388	-70.5875
Boston Harbor Improvement	MBDS	3694	2824	10/20/2018	42.4388	-70.5865
Boston Harbor Improvement	MBDS	4164	3184	10/20/2018	42.4390	-70.5870
Boston Harbor Improvement	MBDS	4493	3435	10/20/2018	42.4392	-70.5858
Boston Harbor Improvement	MBDS	4274	3267	10/20/2018	42.4391	-70.5862
Boston Harbor Improvement	MBDS	3606	2757	10/21/2018	42.4393	-70.5861
Boston Harbor Improvement	MBDS	3781	2891	10/21/2018	42.4396	-70.5852
Boston Harbor Improvement	MBDS	4348	3324	10/21/2018	42.4380	-70.5897
Boston Harbor Improvement	MBDS	469	358	10/21/2018	42.4396	-70.5848
Boston Harbor Improvement	MBDS	4322	3304	10/21/2018	42.4396	-70.5850
Boston Harbor Improvement	MBDS	3403	2602	10/21/2018	42.4288	-70.5977
Boston Harbor Improvement	MBDS	4314	3298	10/22/2018	42.4395	-70.5842
Boston Harbor Improvement	MBDS	4197	3209	10/22/2018	42.4397	-70.5841
Boston Harbor Improvement	MBDS	4347	3324	10/22/2018	42.4397	-70.5844
Boston Harbor Improvement	MBDS	4425	3383	10/22/2018	42.4398	-70.5840
Boston Harbor Improvement	MBDS	3584	2740	10/22/2018	42.4398	-70.5840
Boston Harbor Improvement	MBDS	2585	1976	10/22/2018	42.4400	-70.5832
Boston Harbor Improvement	MBDS	4466	3414	10/22/2018	42.4401	-70.5838
Boston Harbor Improvement	MBDS	956	731	10/22/2018	42.4405	-70.5824
Boston Harbor Improvement	MBDS	4310	3295	10/22/2018	42.4402	-70.5824
Boston Harbor Improvement	MBDS	3584	2740	10/23/2018	42.4398	-70.5833
Boston Harbor Improvement	MBDS	4444	3397	10/23/2018	42.4406	-70.5820
Boston Harbor Improvement	MBDS	4268	3263	10/23/2018	42.4404	-70.5814
Boston Harbor Improvement	MBDS	3783	2892	10/23/2018	42.4404	-70.5816
Boston Harbor Improvement	MBDS	3164	2419	10/23/2018	42.4399	-70.5854
Boston Harbor Improvement	MBDS	4496	3437	10/24/2018	42.4406	-70.5817
Boston Harbor Improvement	MBDS	4024	3076	10/24/2018	42.4405	-70.5820
Boston Harbor Improvement	MBDS	4182	3197	10/24/2018	42.4407	-70.5809
Boston Harbor Improvement	MBDS	3746	2864	10/24/2018	42.4408	-70.5810
Boston Harbor Improvement	MBDS	2570	1965	10/24/2018	42.4409	-70.5805
Boston Harbor Improvement	MBDS	382	292	10/24/2018	42.4412	-70.5797
Boston Harbor Improvement	MBDS	4065	3108	10/24/2018	42.4405	-70.5809
Boston Harbor Improvement	MBDS	4284	3275	10/24/2018	42.4410	-70.5796
Boston Harbor Improvement	MBDS	3814	2916	10/25/2018	42.4412	-70.5796
Boston Harbor Improvement	MBDS	4398	3363	10/25/2018	42.4410	-70.5795
Boston Harbor Improvement	MBDS	2498	1909	10/25/2018	42.4411	-70.5800
Boston Harbor Improvement	MBDS	4402	3365	10/25/2018	42.4414	-70.5787

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3703	2831	10/25/2018	42.4412	-70.5797
Boston Harbor Improvement	MBDS	2514	1922	10/25/2018	42.4414	-70.5791
Boston Harbor Improvement	MBDS	3715	2840	10/25/2018	42.4412	-70.5776
Boston Harbor Improvement	MBDS	4173	3191	10/26/2018	42.4413	-70.5785
Boston Harbor Improvement	MBDS	2578	1971	10/26/2018	42.4413	-70.5781
Boston Harbor Improvement	MBDS	4573	3496	10/26/2018	42.4346	-70.6028
Boston Harbor Improvement	MBDS	3776	2887	10/26/2018	42.4348	-70.6025
Boston Harbor Improvement	MBDS	4341	3319	10/26/2018	42.4350	-70.6019
Boston Harbor Improvement	MBDS	3670	2806	10/26/2018	42.4346	-70.6023
Boston Harbor Improvement	MBDS	4045	3093	10/26/2018	42.4349	-70.6024
Boston Harbor Improvement	MBDS	4265	3261	10/26/2018	42.4352	-70.6014
Boston Harbor Improvement	MBDS	2082	1591	10/26/2018	42.4353	-70.6010
Boston Harbor Improvement	MBDS	2556	1954	10/27/2018	42.4357	-70.6000
Boston Harbor Improvement	MBDS	3942	3014	10/27/2018	42.4356	-70.6009
Boston Harbor Improvement	MBDS	348	266	10/27/2018	42.4354	-70.6008
Boston Harbor Improvement	MBDS	3818	2919	10/29/2018	42.4357	-70.5996
Boston Harbor Improvement	MBDS	3998	3056	10/29/2018	42.4355	-70.6004
Boston Harbor Improvement	MBDS	4144	3168	10/29/2018	42.4352	-70.6003
Boston Harbor Improvement	MBDS	3849	2943	10/29/2018	42.4355	-70.6000
Boston Harbor Improvement	MBDS	3761	2875	10/30/2018	42.4361	-70.5989
Boston Harbor Improvement	MBDS	4273	3267	10/30/2018	42.4359	-70.5993
Boston Harbor Improvement	MBDS	4600	3517	10/30/2018	42.4357	-70.5993
Boston Harbor Improvement	MBDS	2595	1984	10/30/2018	42.4360	-70.5986
Boston Harbor Improvement	MBDS	3579	2736	10/30/2018	42.4359	-70.5984
Boston Harbor Improvement	MBDS	959	734	10/30/2018	42.4323	-70.5795
Boston Harbor Improvement	MBDS	3658	2797	10/30/2018	42.4361	-70.5978
Boston Harbor Improvement	MBDS	4267	3262	10/30/2018	42.4356	-70.5933
Boston Harbor Improvement	MBDS	2552	1951	10/31/2018	42.4364	-70.5907
Boston Harbor Improvement	MBDS	4364	3336	10/31/2018	42.4394	-70.5803
Boston Harbor Improvement	MBDS	2638	2017	10/31/2018	42.4363	-70.5906
Boston Harbor Improvement	MBDS	3808	2911	10/31/2018	42.4387	-70.5847
Boston Harbor Improvement	MBDS	4367	3339	10/31/2018	42.4328	-70.5951
Boston Harbor Improvement	MBDS	4599	3516	10/31/2018	42.4347	-70.5883
Boston Harbor Improvement	MBDS	4124	3153	10/31/2018	42.4371	-70.5853
Boston Harbor Improvement	MBDS	2490	1904	11/1/2018	42.4369	-70.5873
Boston Harbor Improvement	MBDS	3656	2795	11/1/2018	42.4386	-70.5853
Boston Harbor Improvement	MBDS	4377	3346	11/1/2018	42.4368	-70.5874
Boston Harbor Improvement	MBDS	3781	2890	11/1/2018	42.4392	-70.5829
Boston Harbor Improvement	MBDS	4270	3264	11/1/2018	42.4396	-70.5818
Boston Harbor Improvement	MBDS	3624	2771	11/1/2018	42.4397	-70.5797
Boston Harbor Improvement	MBDS	2440	1865	11/1/2018	42.4357	-70.5960
Boston Harbor Improvement	MBDS	3789	2897	11/2/2018	42.4370	-70.5918
Boston Harbor Improvement	MBDS	1920	1468	11/2/2018	42.4405	-70.5804
Boston Harbor Improvement	MBDS	4257	3255	11/2/2018	42.4389	-70.5859
Boston Harbor Improvement	MBDS	1999	1528	11/2/2018	42.4361	-70.5983
Boston Harbor Improvement	MBDS	3750	2867	11/2/2018	42.4361	-70.5978
Boston Harbor Improvement	MBDS	3724	2847	11/2/2018	42.4363	-70.5975
Boston Harbor Improvement	MBDS	4163	3183	11/2/2018	42.4362	-70.5977
Boston Harbor Improvement	MBDS	2427	1856	11/3/2018	42.4367	-70.5959
Boston Harbor Improvement	MBDS	1655	1265	11/3/2018	42.4363	-70.5973
Boston Harbor Improvement	MBDS	4100	3135	11/3/2018	42.4367	-70.5968
Boston Harbor Improvement	MBDS	3492	2670	11/3/2018	42.4366	-70.5953
Boston Harbor Improvement	MBDS	4138	3164	11/3/2018	42.4369	-70.5955
Boston Harbor Improvement	MBDS	2692	2058	11/3/2018	42.4367	-70.5956
Boston Harbor Improvement	MBDS	2519	1926	11/3/2018	42.4365	-70.5944
Boston Harbor Improvement	MBDS	3280	2508	11/4/2018	42.4419	-70.5802
Boston Harbor Improvement	MBDS	4169	3187	11/4/2018	42.4367	-70.5956
Boston Harbor Improvement	MBDS	2469	1888	11/4/2018	42.4375	-70.5939
Boston Harbor Improvement	MBDS	4070	3112	11/4/2018	42.4373	-70.5945
Boston Harbor Improvement	MBDS	3623	2770	11/4/2018	42.4373	-70.5942

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4168	3187	11/4/2018	42.4372	-70.5945
Boston Harbor Improvement	MBDS	2455	1877	11/4/2018	42.4371	-70.5944
Boston Harbor Improvement	MBDS	1736	1327	11/5/2018	42.4376	-70.5929
Boston Harbor Improvement	MBDS	4379	3348	11/5/2018	42.4373	-70.5939
Boston Harbor Improvement	MBDS	3648	2789	11/5/2018	42.4377	-70.5930
Boston Harbor Improvement	MBDS	4401	3364	11/5/2018	42.4372	-70.5939
Boston Harbor Improvement	MBDS	2378	1818	11/5/2018	42.4377	-70.5929
Boston Harbor Improvement	MBDS	3393	2594	11/5/2018	42.4377	-70.5928
Boston Harbor Improvement	MBDS	2566	1962	11/5/2018	42.4380	-70.5922
Boston Harbor Improvement	MBDS	4124	3153	11/6/2018	42.4377	-70.5930
Boston Harbor Improvement	MBDS	4293	3282	11/6/2018	42.4378	-70.5927
Boston Harbor Improvement	MBDS	3637	2781	11/6/2018	42.4378	-70.5922
Boston Harbor Improvement	MBDS	1607	1228	11/6/2018	42.4381	-70.5916
Boston Harbor Improvement	MBDS	3462	2647	11/6/2018	42.4381	-70.5915
Boston Harbor Improvement	MBDS	3900	2982	11/6/2018	42.4384	-70.5917
Boston Harbor Improvement	MBDS	2479	1895	11/6/2018	42.4384	-70.5912
Boston Harbor Improvement	MBDS	2394	1830	11/6/2018	42.4388	-70.5901
Boston Harbor Improvement	MBDS	4187	3201	11/7/2018	42.4384	-70.5897
Boston Harbor Improvement	MBDS	3445	2634	11/7/2018	42.4388	-70.5900
Boston Harbor Improvement	MBDS	4177	3193	11/7/2018	42.4382	-70.5901
Boston Harbor Improvement	MBDS	3560	2722	11/7/2018	42.4385	-70.5898
Boston Harbor Improvement	MBDS	4523	3458	11/7/2018	42.4382	-70.5903
Boston Harbor Improvement	MBDS	4342	3319	11/7/2018	42.4409	-70.5838
Boston Harbor Improvement	MBDS	2674	2044	11/7/2018	42.4388	-70.5885
Boston Harbor Improvement	MBDS	3569	2729	11/7/2018	42.4389	-70.5883
Boston Harbor Improvement	MBDS	2495	1908	11/8/2018	42.4392	-70.5881
Boston Harbor Improvement	MBDS	4091	3128	11/8/2018	42.4383	-70.5890
Boston Harbor Improvement	MBDS	4228	3233	11/8/2018	42.4384	-70.5878
Boston Harbor Improvement	MBDS	3577	2735	11/8/2018	42.4391	-70.5877
Boston Harbor Improvement	MBDS	3593	2747	11/8/2018	42.4392	-70.5881
Boston Harbor Improvement	MBDS	4302	3289	11/8/2018	42.4391	-70.5880
Boston Harbor Improvement	MBDS	2723	2082	11/8/2018	42.4392	-70.5877
Boston Harbor Improvement	MBDS	4528	3462	11/9/2018	42.4393	-70.5865
Boston Harbor Improvement	MBDS	4521	3457	11/9/2018	42.4393	-70.5865
Boston Harbor Improvement	MBDS	3880	2966	11/9/2018	42.4396	-70.5861
Boston Harbor Improvement	MBDS	2416	1847	11/9/2018	42.4396	-70.5864
Boston Harbor Improvement	MBDS	4214	3222	11/9/2018	42.4385	-70.5819
Boston Harbor Improvement	MBDS	4145	3169	11/9/2018	42.4397	-70.5859
Boston Harbor Improvement	MBDS	4595	3513	11/10/2018	42.4400	-70.5854
Boston Harbor Improvement	MBDS	1773	1355	11/10/2018	42.4317	-70.6006
Boston Harbor Improvement	MBDS	2266	1733	11/10/2018	42.4400	-70.5851
Boston Harbor Improvement	MBDS	4371	3342	11/10/2018	42.4398	-70.5854
Boston Harbor Improvement	MBDS	3647	2788	11/11/2018	42.4405	-70.5837
Boston Harbor Improvement	MBDS	3910	2989	11/11/2018	42.4401	-70.5840
Boston Harbor Improvement	MBDS	2148	1643	11/11/2018	42.4402	-70.5838
Boston Harbor Improvement	MBDS	4722	3610	11/11/2018	42.4400	-70.5838
Boston Harbor Improvement	MBDS	2394	1831	11/11/2018	42.4403	-70.5837
Boston Harbor Improvement	MBDS	3812	2914	11/11/2018	42.4404	-70.5798
Boston Harbor Improvement	MBDS	2379	1819	11/11/2018	42.4405	-70.5828
Boston Harbor Improvement	MBDS	2331	1782	11/11/2018	42.4406	-70.5824
Boston Harbor Improvement	MBDS	3911	2990	11/11/2018	42.4405	-70.5831
Boston Harbor Improvement	MBDS	3888	2972	11/11/2018	42.4405	-70.5833
Boston Harbor Improvement	MBDS	4285	3276	11/12/2018	42.4417	-70.5789
Boston Harbor Improvement	MBDS	2566	1962	11/12/2018	42.4409	-70.5819
Boston Harbor Improvement	MBDS	4408	3370	11/12/2018	42.4404	-70.5829
Boston Harbor Improvement	MBDS	2145	1640	11/12/2018	42.4407	-70.5816
Boston Harbor Improvement	MBDS	3547	2712	11/12/2018	42.4410	-70.5820
Boston Harbor Improvement	MBDS	2347	1794	11/12/2018	42.4412	-70.5810
Boston Harbor Improvement	MBDS	3860	2951	11/12/2018	42.4410	-70.5809
Boston Harbor Improvement	MBDS	4308	3294	11/12/2018	42.4417	-70.5777

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4450	3402	11/12/2018	42.4397	-70.5855
Boston Harbor Improvement	MBDS	2800	2141	11/13/2018	42.4411	-70.5805
Boston Harbor Improvement	MBDS	3702	2830	11/13/2018	42.4413	-70.5809
Boston Harbor Improvement	MBDS	3670	2806	11/13/2018	42.4413	-70.5799
Boston Harbor Improvement	MBDS	3870	2959	11/13/2018	42.4362	-70.5913
Boston Harbor Improvement	MBDS	2308	1765	11/13/2018	42.4411	-70.5789
Boston Harbor Improvement	MBDS	3771	2883	11/13/2018	42.4415	-70.5798
Boston Harbor Improvement	MBDS	3454	2641	11/13/2018	42.4410	-70.5801
Boston Harbor Improvement	MBDS	4500	3440	11/14/2018	42.4418	-70.5786
Boston Harbor Improvement	MBDS	2662	2035	11/14/2018	42.4417	-70.5783
Boston Harbor Improvement	MBDS	4136	3162	11/14/2018	42.4420	-70.5785
Boston Harbor Improvement	MBDS	2527	1932	11/14/2018	42.4415	-70.5786
Boston Harbor Improvement	MBDS	4296	3284	11/14/2018	42.4353	-70.6021
Boston Harbor Improvement	MBDS	3654	2793	11/14/2018	42.4353	-70.6020
Boston Harbor Improvement	MBDS	3755	2871	11/14/2018	42.4349	-70.6021
Boston Harbor Improvement	MBDS	1265	967	11/14/2018	42.4350	-70.6032
Boston Harbor Improvement	MBDS	4313	3298	11/15/2018	42.4356	-70.6016
Boston Harbor Improvement	MBDS	4599	3516	11/15/2018	42.4352	-70.6026
Boston Harbor Improvement	MBDS	2683	2051	11/15/2018	42.4358	-70.6008
Boston Harbor Improvement	MBDS	2553	1952	11/15/2018	42.4357	-70.6013
Boston Harbor Improvement	MBDS	3724	2847	11/15/2018	42.4355	-70.6015
Boston Harbor Improvement	MBDS	3806	2910	11/15/2018	42.4357	-70.6007
Boston Harbor Improvement	MBDS	4405	3368	11/15/2018	42.4360	-70.5998
Boston Harbor Improvement	MBDS	4359	3333	11/15/2018	42.4361	-70.5998
Boston Harbor Improvement	MBDS	4316	3300	11/15/2018	42.4358	-70.6002
Boston Harbor Improvement	MBDS	2590	1980	11/15/2018	42.4361	-70.5995
Boston Harbor Improvement	MBDS	1423	1088	11/15/2018	42.4365	-70.5991
Boston Harbor Improvement	MBDS	3815	2916	11/16/2018	42.4362	-70.5992
Boston Harbor Improvement	MBDS	2956	2260	11/16/2018	42.4362	-70.5992
Boston Harbor Improvement	MBDS	2544	1945	11/17/2018	42.4365	-70.5982
Boston Harbor Improvement	MBDS	2605	1992	11/17/2018	42.4363	-70.5987
Boston Harbor Improvement	MBDS	4072	3113	11/18/2018	42.4342	-70.5965
Boston Harbor Improvement	MBDS	4690	3586	11/18/2018	42.4366	-70.5978
Boston Harbor Improvement	MBDS	4405	3368	11/18/2018	42.4362	-70.5981
Boston Harbor Improvement	MBDS	2505	1915	11/18/2018	42.4368	-70.5974
Boston Harbor Improvement	MBDS	3607	2757	11/18/2018	42.4365	-70.5977
Boston Harbor Improvement	MBDS	3843	2938	11/18/2018	42.4371	-70.5964
Boston Harbor Improvement	MBDS	4393	3359	11/18/2018	42.4369	-70.5966
Boston Harbor Improvement	MBDS	4600	3517	11/18/2018	42.4379	-70.5945
Boston Harbor Improvement	MBDS	4492	3435	11/19/2018	42.4372	-70.5964
Boston Harbor Improvement	MBDS	2591	1981	11/19/2018	42.4371	-70.5965
Boston Harbor Improvement	MBDS	2440	1865	11/19/2018	42.4373	-70.5951
Boston Harbor Improvement	MBDS	4147	3171	11/19/2018	42.4374	-70.5954
Boston Harbor Improvement	MBDS	4598	3516	11/19/2018	42.4376	-70.5945
Boston Harbor Improvement	MBDS	3625	2771	11/19/2018	42.4375	-70.5950
Boston Harbor Improvement	MBDS	3537	2704	11/19/2018	42.4374	-70.5955
Boston Harbor Improvement	MBDS	4453	3405	11/19/2018	42.4380	-70.5938
Boston Harbor Improvement	MBDS	2563	1959	11/19/2018	42.4376	-70.5942
Boston Harbor Improvement	MBDS	4533	3466	11/19/2018	42.4376	-70.5944
Boston Harbor Improvement	MBDS	4728	3615	11/20/2018	42.4379	-70.5932
Boston Harbor Improvement	MBDS	3760	2875	11/20/2018	42.4377	-70.5937
Boston Harbor Improvement	MBDS	2324	1777	11/20/2018	42.4379	-70.5931
Boston Harbor Improvement	MBDS	2607	1993	11/20/2018	42.4377	-70.5943
Boston Harbor Improvement	MBDS	4142	3167	11/20/2018	42.4380	-70.5930
Boston Harbor Improvement	MBDS	4271	3266	11/20/2018	42.4382	-70.5926
Boston Harbor Improvement	MBDS	3592	2747	11/20/2018	42.4379	-70.5935
Boston Harbor Improvement	MBDS	3535	2703	11/20/2018	42.4382	-70.5922
Boston Harbor Improvement	MBDS	4713	3603	11/20/2018	42.4384	-70.5919
Boston Harbor Improvement	MBDS	4159	3180	11/20/2018	42.4382	-70.5919
Boston Harbor Improvement	MBDS	2618	2001	11/20/2018	42.4381	-70.5920

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4323	3305	11/21/2018	42.4381	-70.5921
Boston Harbor Improvement	MBDS	2795	2137	11/21/2018	42.4388	-70.5903
Boston Harbor Improvement	MBDS	3701	2830	11/21/2018	42.4387	-70.5903
Boston Harbor Improvement	MBDS	4241	3242	11/21/2018	42.4388	-70.5908
Boston Harbor Improvement	MBDS	4425	3383	11/21/2018	42.4386	-70.5915
Boston Harbor Improvement	MBDS	3287	2513	11/21/2018	42.4387	-70.5910
Boston Harbor Improvement	MBDS	4219	3226	11/21/2018	42.4392	-70.5893
Boston Harbor Improvement	MBDS	2564	1960	11/21/2018	42.4393	-70.5883
Boston Harbor Improvement	MBDS	2579	1971	11/21/2018	42.4394	-70.5888
Boston Harbor Improvement	MBDS	3596	2749	11/21/2018	42.4385	-70.5886
Boston Harbor Improvement	MBDS	4175	3192	11/21/2018	42.4390	-70.5894
Boston Harbor Improvement	MBDS	4346	3323	11/22/2018	42.4396	-70.5875
Boston Harbor Improvement	MBDS	4782	3656	11/22/2018	42.4395	-70.5886
Boston Harbor Improvement	MBDS	3699	2828	11/22/2018	42.4392	-70.5887
Boston Harbor Improvement	MBDS	4301	3288	11/22/2018	42.4394	-70.5889
Boston Harbor Improvement	MBDS	2541	1942	11/22/2018	42.4392	-70.5894
Boston Harbor Improvement	MBDS	2415	1846	11/22/2018	42.4395	-70.5873
Boston Harbor Improvement	MBDS	4592	3511	11/23/2018	42.4398	-70.5883
Boston Harbor Improvement	MBDS	2134	1631	11/23/2018	42.4393	-70.5874
Boston Harbor Improvement	MBDS	2457	1878	11/23/2018	42.4398	-70.5868
Boston Harbor Improvement	MBDS	2558	1956	11/23/2018	42.4401	-70.5871
Boston Harbor Improvement	MBDS	4219	3226	11/24/2018	42.4400	-70.5864
Boston Harbor Improvement	MBDS	4648	3554	11/24/2018	42.4401	-70.5860
Boston Harbor Improvement	MBDS	3228	2468	11/24/2018	42.4401	-70.5862
Boston Harbor Improvement	MBDS	3699	2828	11/24/2018	42.4400	-70.5858
Boston Harbor Improvement	MBDS	2623	2005	11/24/2018	42.4396	-70.5862
Boston Harbor Improvement	MBDS	4374	3344	11/24/2018	42.4406	-70.5853
Boston Harbor Improvement	MBDS	2637	2016	11/24/2018	42.4408	-70.5847
Boston Harbor Improvement	MBDS	4143	3168	11/24/2018	42.4402	-70.5859
Boston Harbor Improvement	MBDS	4570	3494	11/24/2018	42.4411	-70.5833
Boston Harbor Improvement	MBDS	3565	2725	11/24/2018	42.4404	-70.5854
Boston Harbor Improvement	MBDS	3570	2730	11/25/2018	42.4406	-70.5845
Boston Harbor Improvement	MBDS	4042	3091	11/25/2018	42.4408	-70.5836
Boston Harbor Improvement	MBDS	2467	1886	11/25/2018	42.4411	-70.5838
Boston Harbor Improvement	MBDS	2410	1842	11/25/2018	42.4411	-70.5831
Boston Harbor Improvement	MBDS	3919	2997	11/25/2018	42.4406	-70.5843
Boston Harbor Improvement	MBDS	3192	2440	11/25/2018	42.4409	-70.5832
Boston Harbor Improvement	MBDS	4855	3712	11/25/2018	42.4414	-70.5815
Boston Harbor Improvement	MBDS	3994	3054	11/25/2018	42.4412	-70.5829
Boston Harbor Improvement	MBDS	76	58	11/26/2018	42.4407	-70.5840
Boston Harbor Improvement	MBDS	3648	2789	11/26/2018	42.4409	-70.5829
Boston Harbor Improvement	MBDS	4134	3160	11/26/2018	42.4413	-70.5822
Boston Harbor Improvement	MBDS	3257	2490	11/26/2018	42.4413	-70.5822
Boston Harbor Improvement	MBDS	2507	1917	11/26/2018	42.4420	-70.5817
Boston Harbor Improvement	MBDS	4708	3599	11/26/2018	42.4416	-70.5808
Boston Harbor Improvement	MBDS	4421	3380	11/26/2018	42.4414	-70.5829
Boston Harbor Improvement	MBDS	3895	2978	11/26/2018	42.4417	-70.5811
Boston Harbor Improvement	MBDS	654	500	11/26/2018	42.4419	-70.5801
Boston Harbor Improvement	MBDS	3615	2764	11/26/2018	42.4416	-70.5812
Boston Harbor Improvement	MBDS	3645	2787	11/26/2018	42.4422	-70.5811
Boston Harbor Improvement	MBDS	3864	2954	11/28/2018	42.4420	-70.5808
Boston Harbor Improvement	MBDS	3369	2575	11/28/2018	42.4422	-70.5795
Boston Harbor Improvement	MBDS	4235	3238	11/28/2018	42.4425	-70.5795
Boston Harbor Improvement	MBDS	4000	3059	11/28/2018	42.4420	-70.5798
Boston Harbor Improvement	MBDS	3571	2730	11/28/2018	42.4422	-70.5778
Boston Harbor Improvement	MBDS	2475	1893	11/28/2018	42.4420	-70.5798
Boston Harbor Improvement	MBDS	4159	3180	11/28/2018	42.4426	-70.5787
Boston Harbor Improvement	MBDS	4242	3243	11/28/2018	42.4423	-70.5787
Boston Harbor Improvement	MBDS	4204	3214	11/29/2018	42.4421	-70.5788
Boston Harbor Improvement	MBDS	3798	2904	11/29/2018	42.4422	-70.5786

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4040	3089	11/29/2018	42.4354	-70.6023
Boston Harbor Improvement	MBDS	4283	3275	11/30/2018	42.4359	-70.6020
Boston Harbor Improvement	MBDS	3788	2896	11/30/2018	42.4357	-70.6026
Boston Harbor Improvement	MBDS	4122	3151	11/30/2018	42.4361	-70.6027
Boston Harbor Improvement	MBDS	4163	3183	11/30/2018	42.4356	-70.6027
Boston Harbor Improvement	MBDS	3678	2812	12/1/2018	42.4362	-70.6017
Boston Harbor Improvement	MBDS	4315	3299	12/1/2018	42.4356	-70.6034
Boston Harbor Improvement	MBDS	4480	3425	12/1/2018	42.4360	-70.6023
Boston Harbor Improvement	MBDS	3822	2922	12/1/2018	42.4359	-70.6021
Boston Harbor Improvement	MBDS	4264	3260	12/1/2018	42.4360	-70.6028
Boston Harbor Improvement	MBDS	4347	3323	12/2/2018	42.4361	-70.6019
Boston Harbor Improvement	MBDS	4648	3553	12/2/2018	42.4359	-70.6026
Boston Harbor Improvement	MBDS	3836	2933	12/2/2018	42.4362	-70.6019
Boston Harbor Improvement	MBDS	4112	3144	12/2/2018	42.4361	-70.6023
Boston Harbor Improvement	MBDS	3813	2915	12/3/2018	42.4357	-70.6027
Boston Harbor Improvement	MBDS	3227	2467	12/3/2018	42.4361	-70.6018
Boston Harbor Improvement	MBDS	4163	3183	12/3/2018	42.4359	-70.6024
Boston Harbor Improvement	MBDS	3649	2790	12/3/2018	42.4355	-70.6023
Boston Harbor Improvement	MBDS	3983	3045	12/4/2018	42.4361	-70.6004
Boston Harbor Improvement	MBDS	3894	2977	12/4/2018	42.4360	-70.6017
Boston Harbor Improvement	MBDS	4262	3259	12/5/2018	42.4362	-70.6005
Boston Harbor Improvement	MBDS	3800	2905	12/5/2018	42.4362	-70.6010
Boston Harbor Improvement	MBDS	3239	2476	12/5/2018	42.4363	-70.6007
Boston Harbor Improvement	MBDS	4014	3069	12/6/2018	42.4368	-70.5997
Boston Harbor Improvement	MBDS	4319	3302	12/6/2018	42.4363	-70.6003
Boston Harbor Improvement	MBDS	3708	2835	12/6/2018	42.4367	-70.5996
Boston Harbor Improvement	MBDS	4549	3478	12/6/2018	42.4364	-70.5999
Boston Harbor Improvement	MBDS	4299	3286	12/6/2018	42.4364	-70.5999
Boston Harbor Improvement	MBDS	3754	2870	12/7/2018	42.4368	-70.5988
Boston Harbor Improvement	MBDS	4279	3272	12/7/2018	42.4368	-70.5989
Boston Harbor Improvement	MBDS	4316	3300	12/7/2018	42.4364	-70.5991
Boston Harbor Improvement	MBDS	3675	2809	12/7/2018	42.4368	-70.5986
Boston Harbor Improvement	MBDS	4314	3299	12/8/2018	42.4367	-70.5992
Boston Harbor Improvement	MBDS	4032	3083	12/8/2018	42.4366	-70.5991
Boston Harbor Improvement	MBDS	4217	3224	12/9/2018	42.4373	-70.5974
Boston Harbor Improvement	MBDS	4222	3228	12/9/2018	42.4368	-70.5982
Boston Harbor Improvement	MBDS	3735	2856	12/9/2018	42.4375	-70.5972
Boston Harbor Improvement	MBDS	4137	3163	12/9/2018	42.4371	-70.5974
Boston Harbor Improvement	MBDS	4180	3196	12/10/2018	42.4369	-70.5989
Boston Harbor Improvement	MBDS	3947	3018	12/10/2018	42.4374	-70.5965
Boston Harbor Improvement	MBDS	4324	3306	12/10/2018	42.4372	-70.5963
Boston Harbor Improvement	MBDS	3690	2821	12/10/2018	42.4371	-70.5973
Boston Harbor Improvement	MBDS	3690	2821	12/10/2018	42.4374	-70.5963
Boston Harbor Improvement	MBDS	3937	3010	12/11/2018	42.4377	-70.5969
Boston Harbor Improvement	MBDS	4469	3417	12/11/2018	42.4375	-70.5958
Boston Harbor Improvement	MBDS	3716	2841	12/11/2018	42.4377	-70.5954
Boston Harbor Improvement	MBDS	4120	3150	12/12/2018	42.4378	-70.5956
Boston Harbor Improvement	MBDS	4201	3212	12/12/2018	42.4373	-70.5959
Boston Harbor Improvement	MBDS	3781	2891	12/12/2018	42.4376	-70.5953
Boston Harbor Improvement	MBDS	4180	3196	12/12/2018	42.4378	-70.5944
Boston Harbor Improvement	MBDS	3700	2829	12/13/2018	42.4377	-70.5955
Boston Harbor Improvement	MBDS	3751	2868	12/13/2018	42.4383	-70.5947
Boston Harbor Improvement	MBDS	4249	3249	12/13/2018	42.4380	-70.5940
Boston Harbor Improvement	MBDS	4347	3323	12/13/2018	42.4380	-70.5944
Boston Harbor Improvement	MBDS	3763	2877	12/13/2018	42.4383	-70.5931
Boston Harbor Improvement	MBDS	4299	3287	12/14/2018	42.4382	-70.5939
Boston Harbor Improvement	MBDS	4421	3380	12/14/2018	42.4381	-70.5932
Boston Harbor Improvement	MBDS	3756	2872	12/14/2018	42.4381	-70.5931
Boston Harbor Improvement	MBDS	4290	3280	12/14/2018	42.4379	-70.5939
Boston Harbor Improvement	MBDS	4050	3096	12/14/2018	42.4387	-70.5921

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3780	2890	12/14/2018	42.4387	-70.5919
Boston Harbor Improvement	MBDS	4101	3136	12/15/2018	42.4385	-70.5927
Boston Harbor Improvement	MBDS	4314	3299	12/15/2018	42.4385	-70.5924
Boston Harbor Improvement	MBDS	3789	2897	12/15/2018	42.4388	-70.5922
Boston Harbor Improvement	MBDS	4240	3242	12/15/2018	42.4390	-70.5915
Boston Harbor Improvement	MBDS	4199	3210	12/16/2018	42.4388	-70.5917
Boston Harbor Improvement	MBDS	3884	2969	12/16/2018	42.4392	-70.5908
Boston Harbor Improvement	MBDS	3936	3010	12/16/2018	42.4392	-70.5908
Boston Harbor Improvement	MBDS	4217	3224	12/16/2018	42.4396	-70.5900
Boston Harbor Improvement	MBDS	3750	2867	12/18/2018	42.4396	-70.5898
Boston Harbor Improvement	MBDS	3920	2997	12/18/2018	42.4392	-70.5898
Boston Harbor Improvement	MBDS	4291	3280	12/19/2018	42.4393	-70.5906
Boston Harbor Improvement	MBDS	4211	3220	12/19/2018	42.4393	-70.5898
Boston Harbor Improvement	MBDS	3620	2768	12/19/2018	42.4376	-70.5947
Boston Harbor Improvement	MBDS	4085	3123	12/19/2018	42.4401	-70.5892
Boston Harbor Improvement	MBDS	4226	3231	12/20/2018	42.4396	-70.5898
Boston Harbor Improvement	MBDS	3791	2898	12/20/2018	42.4399	-70.5887
Boston Harbor Improvement	MBDS	4349	3325	12/20/2018	42.4398	-70.5890
Boston Harbor Improvement	MBDS	4272	3266	12/20/2018	42.4398	-70.5893
Boston Harbor Improvement	MBDS	3750	2867	12/20/2018	42.4393	-70.5892
Boston Harbor Improvement	MBDS	4143	3168	12/20/2018	42.4401	-70.5883
Boston Harbor Improvement	MBDS	4165	3184	12/21/2018	42.4399	-70.5883
Boston Harbor Improvement	MBDS	3696	2826	12/21/2018	42.4376	-70.5939
Boston Harbor Improvement	MBDS	4007	3064	12/21/2018	42.4401	-70.5883
Boston Harbor Improvement	MBDS	3928	3003	12/21/2018	42.4405	-70.5864
Boston Harbor Improvement	MBDS	4299	3287	12/28/2018	42.4408	-70.5873
Boston Harbor Improvement	MBDS	4625	3536	12/28/2018	42.4406	-70.5872
Boston Harbor Improvement	MBDS	3772	2884	12/29/2018	42.4394	-70.5902
Boston Harbor Improvement	MBDS	4179	3195	12/29/2018	42.4405	-70.5867
Boston Harbor Improvement	MBDS	4125	3153	12/29/2018	42.4406	-70.5872
Boston Harbor Improvement	MBDS	3571	2730	12/29/2018	42.4411	-70.5857
Boston Harbor Improvement	MBDS	3941	3013	12/30/2018	42.4405	-70.5863
Boston Harbor Improvement	MBDS	4279	3272	12/30/2018	42.4411	-70.5854
Boston Harbor Improvement	MBDS	3520	2691	12/31/2018	42.4406	-70.5860
Boston Harbor Improvement	MBDS	4137	3163	12/31/2018	42.4407	-70.5859
Boston Harbor Improvement	MBDS	3727	2850	1/1/2019	42.4416	-70.5845
Boston Harbor Improvement	MBDS	4115	3146	1/1/2019	42.4412	-70.5845
Boston Harbor Improvement	MBDS	3931	3006	1/2/2019	42.4409	-70.5845
Boston Harbor Improvement	MBDS	4274	3268	1/2/2019	42.4411	-70.5846
Boston Harbor Improvement	MBDS	3846	2940	1/3/2019	42.4412	-70.5850
Boston Harbor Improvement	MBDS	3771	2883	1/4/2019	42.4342	-70.5810
Boston Harbor Improvement	MBDS	3954	3023	1/5/2019	42.4413	-70.5840
Boston Harbor Improvement	MBDS	3847	2941	1/6/2019	42.4337	-70.5811
Boston Harbor Improvement	MBDS	3917	2995	1/6/2019	42.4414	-70.5838
Boston Harbor Improvement	MBDS	4037	3086	1/6/2019	42.4415	-70.5832
Boston Harbor Improvement	MBDS	4328	3309	1/7/2019	42.4412	-70.5840
Boston Harbor Improvement	MBDS	4204	3214	1/7/2019	42.4416	-70.5821
Boston Harbor Improvement	MBDS	4297	3285	1/7/2019	42.4418	-70.5824
Boston Harbor Improvement	MBDS	4561	3487	1/8/2019	42.4419	-70.5821
Boston Harbor Improvement	MBDS	4276	3269	1/8/2019	42.4421	-70.5820
Boston Harbor Improvement	MBDS	4053	3099	1/8/2019	42.4422	-70.5808
Boston Harbor Improvement	MBDS	4053	3099	1/8/2019	42.4422	-70.5808
Boston Harbor Improvement	MBDS	2377	1818	1/9/2019	42.4422	-70.5808
Boston Harbor Improvement	MBDS	1824	1395	1/9/2019	42.4422	-70.5804
Boston Harbor Improvement	MBDS	4067	3109	1/12/2019	42.4422	-70.5797
Boston Harbor Improvement	MBDS	4584	3504	1/12/2019	42.4425	-70.5800
Boston Harbor Improvement	MBDS	3481	2662	1/12/2019	42.4426	-70.5797
Boston Harbor Improvement	MBDS	4380	3348	1/12/2019	42.4426	-70.5804
Boston Harbor Improvement	MBDS	4217	3224	1/12/2019	42.4426	-70.5796
Boston Harbor Improvement	MBDS	3882	2968	1/13/2019	42.4431	-70.5786

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4427	3385	1/13/2019	42.4427	-70.5792
Boston Harbor Improvement	MBDS	4157	3178	1/13/2019	42.4428	-70.5790
Boston Harbor Improvement	MBDS	3462	2647	1/13/2019	42.4428	-70.5785
Boston Harbor Improvement	MBDS	2686	2054	1/13/2019	42.4427	-70.5784
Boston Harbor Improvement	MBDS	4168	3187	1/13/2019	42.4362	-70.6022
Boston Harbor Improvement	MBDS	4141	3166	1/14/2019	42.4368	-70.6013
Boston Harbor Improvement	MBDS	4392	3358	1/14/2019	42.4369	-70.6002
Boston Harbor Improvement	MBDS	3455	2641	1/14/2019	42.4374	-70.5988
Boston Harbor Improvement	MBDS	4181	3197	1/14/2019	42.4383	-70.5955
Boston Harbor Improvement	MBDS	4243	3244	1/14/2019	42.4316	-70.5987
Boston Harbor Improvement	MBDS	2525	1930	1/14/2019	42.4379	-70.5970
Boston Harbor Improvement	MBDS	3600	2752	1/15/2019	42.4364	-70.6025
Boston Harbor Improvement	MBDS	4345	3322	1/15/2019	42.4363	-70.6026
Boston Harbor Improvement	MBDS	3707	2834	1/15/2019	42.4364	-70.6025
Boston Harbor Improvement	MBDS	4203	3213	1/15/2019	42.4363	-70.6026
Boston Harbor Improvement	MBDS	2523	1929	1/15/2019	42.4367	-70.6012
Boston Harbor Improvement	MBDS	4109	3142	1/16/2019	42.4366	-70.6009
Boston Harbor Improvement	MBDS	3794	2901	1/16/2019	42.4368	-70.6011
Boston Harbor Improvement	MBDS	2448	1872	1/16/2019	42.4366	-70.6006
Boston Harbor Improvement	MBDS	4373	3343	1/16/2019	42.4369	-70.6007
Boston Harbor Improvement	MBDS	4222	3228	1/17/2019	42.4368	-70.5999
Boston Harbor Improvement	MBDS	2684	2052	1/17/2019	42.4368	-70.6000
Boston Harbor Improvement	MBDS	4389	3356	1/17/2019	42.4369	-70.6001
Boston Harbor Improvement	MBDS	3432	2624	1/17/2019	42.4372	-70.5992
Boston Harbor Improvement	MBDS	3739	2859	1/17/2019	42.4374	-70.5991
Boston Harbor Improvement	MBDS	2273	1738	1/17/2019	42.4408	-70.5882
Boston Harbor Improvement	MBDS	4229	3233	1/17/2019	42.4373	-70.5987
Boston Harbor Improvement	MBDS	4403	3366	1/18/2019	42.4375	-70.5988
Boston Harbor Improvement	MBDS	3815	2917	1/18/2019	42.4377	-70.5979
Boston Harbor Improvement	MBDS	3531	2700	1/18/2019	42.4377	-70.5976
Boston Harbor Improvement	MBDS	4172	3190	1/18/2019	42.4378	-70.5969
Boston Harbor Improvement	MBDS	4302	3289	1/18/2019	42.4383	-70.5967
Boston Harbor Improvement	MBDS	2494	1907	1/18/2019	42.4383	-70.5956
Boston Harbor Improvement	MBDS	3717	2842	1/19/2019	42.4380	-70.5969
Boston Harbor Improvement	MBDS	4237	3240	1/19/2019	42.4384	-70.5957
Boston Harbor Improvement	MBDS	4395	3360	1/19/2019	42.4382	-70.5961
Boston Harbor Improvement	MBDS	3490	2668	1/19/2019	42.4382	-70.5958
Boston Harbor Improvement	MBDS	3625	2771	1/19/2019	42.4383	-70.5955
Boston Harbor Improvement	MBDS	3993	3053	1/19/2019	42.4382	-70.5963
Boston Harbor Improvement	MBDS	2415	1847	1/19/2019	42.4383	-70.5959
Boston Harbor Improvement	MBDS	4330	3311	1/20/2019	42.4382	-70.5963
Boston Harbor Improvement	MBDS	2099	1605	1/20/2019	42.4386	-70.5957
Boston Harbor Improvement	MBDS	2884	2205	1/20/2019	42.4384	-70.5957
Boston Harbor Improvement	MBDS	3355	2565	1/21/2019	42.4387	-70.5946
Boston Harbor Improvement	MBDS	3308	2529	1/21/2019	42.4384	-70.5946
Boston Harbor Improvement	MBDS	3016	2306	1/22/2019	42.4395	-70.5904
Boston Harbor Improvement	MBDS	4177	3194	1/22/2019	42.4388	-70.5947
Boston Harbor Improvement	MBDS	3892	2976	1/23/2019	42.4387	-70.5948
Boston Harbor Improvement	MBDS	3586	2742	1/23/2019	42.4422	-70.5827
Boston Harbor Improvement	MBDS	1716	1312	1/23/2019	42.4386	-70.5946
Boston Harbor Improvement	MBDS	3469	2652	1/23/2019	42.4392	-70.5931
Boston Harbor Improvement	MBDS	2025	1548	1/23/2019	42.4425	-70.5861
Boston Harbor Improvement	MBDS	3448	2637	1/24/2019	42.4395	-70.5937
Boston Harbor Improvement	MBDS	2960	2263	1/25/2019	42.4343	-70.5805
Boston Harbor Improvement	MBDS	4340	3318	1/25/2019	42.4387	-70.5940
Boston Harbor Improvement	MBDS	1971	1507	1/25/2019	42.4392	-70.5916
Boston Harbor Improvement	MBDS	4132	3159	1/25/2019	42.4393	-70.5923
Boston Harbor Improvement	MBDS	3686	2818	1/25/2019	42.4393	-70.5921
Boston Harbor Improvement	MBDS	2405	1839	1/26/2019	42.4393	-70.5922
Boston Harbor Improvement	MBDS	3521	2692	1/26/2019	42.4393	-70.5931

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	4148	3172	1/26/2019	42.4395	-70.5908
Boston Harbor Improvement	MBDS	4234	3237	1/26/2019	42.4396	-70.5910
Boston Harbor Improvement	MBDS	2516	1923	1/26/2019	42.4400	-70.5899
Boston Harbor Improvement	MBDS	3545	2710	1/26/2019	42.4390	-70.5923
Boston Harbor Improvement	MBDS	4347	3324	1/27/2019	42.4397	-70.5913
Boston Harbor Improvement	MBDS	4253	3251	1/27/2019	42.4397	-70.5903
Boston Harbor Improvement	MBDS	3492	2670	1/27/2019	42.4400	-70.5899
Boston Harbor Improvement	MBDS	3518	2689	1/27/2019	42.4403	-70.5899
Boston Harbor Improvement	MBDS	2306	1763	1/28/2019	42.4400	-70.5898
Boston Harbor Improvement	MBDS	3853	2946	1/28/2019	42.4397	-70.5902
Boston Harbor Improvement	MBDS	4063	3106	1/28/2019	42.4382	-70.5900
Boston Harbor Improvement	MBDS	3453	2640	1/28/2019	42.4404	-70.5888
Boston Harbor Improvement	MBDS	3929	3004	1/28/2019	42.4404	-70.5888
Boston Harbor Improvement	MBDS	3509	2683	1/28/2019	42.4402	-70.5884
Boston Harbor Improvement	MBDS	2234	1708	1/29/2019	42.4385	-70.5929
Boston Harbor Improvement	MBDS	3815	2917	1/29/2019	42.4406	-70.5882
Boston Harbor Improvement	MBDS	4488	3431	1/29/2019	42.4405	-70.5878
Boston Harbor Improvement	MBDS	3542	2708	1/29/2019	42.4410	-70.5868
Boston Harbor Improvement	MBDS	3460	2646	1/29/2019	42.4408	-70.5878
Boston Harbor Improvement	MBDS	3905	2986	1/30/2019	42.4415	-70.5873
Boston Harbor Improvement	MBDS	2198	1681	1/30/2019	42.4391	-70.5931
Boston Harbor Improvement	MBDS	3895	2978	1/30/2019	42.4424	-70.5844
Boston Harbor Improvement	MBDS	3660	2798	1/30/2019	42.4408	-70.5865
Boston Harbor Improvement	MBDS	4087	3125	1/31/2019	42.4408	-70.5870
Boston Harbor Improvement	MBDS	3425	2618	1/31/2019	42.4413	-70.5857
Boston Harbor Improvement	MBDS	3797	2903	1/31/2019	42.4415	-70.5855
Boston Harbor Improvement	MBDS	2348	1795	1/31/2019	42.4416	-70.5847
Boston Harbor Improvement	MBDS	3603	2755	2/1/2019	42.4416	-70.5853
Boston Harbor Improvement	MBDS	4078	3118	2/1/2019	42.4402	-70.5896
Boston Harbor Improvement	MBDS	3992	3052	2/2/2019	42.4421	-70.5838
Boston Harbor Improvement	MBDS	4185	3200	2/2/2019	42.4419	-70.5844
Boston Harbor Improvement	MBDS	3498	2675	2/2/2019	42.4419	-70.5832
Boston Harbor Improvement	MBDS	2375	1816	2/2/2019	42.4420	-70.5836
Boston Harbor Improvement	MBDS	4192	3205	2/2/2019	42.4418	-70.5840
Boston Harbor Improvement	MBDS	3818	2919	2/3/2019	42.4418	-70.5834
Boston Harbor Improvement	MBDS	3593	2747	2/3/2019	42.4421	-70.5832
Boston Harbor Improvement	MBDS	3344	2557	2/3/2019	42.4419	-70.5835
Boston Harbor Improvement	MBDS	2291	1752	2/3/2019	42.4421	-70.5828
Boston Harbor Improvement	MBDS	4213	3221	2/4/2019	42.4423	-70.5828
Boston Harbor Improvement	MBDS	3341	2554	2/4/2019	42.4416	-70.5843
Boston Harbor Improvement	MBDS	3613	2763	2/4/2019	42.4422	-70.5817
Boston Harbor Improvement	MBDS	3279	2507	2/4/2019	42.4423	-70.5844
Boston Harbor Improvement	MBDS	2447	1871	2/4/2019	42.4425	-70.5826
Boston Harbor Improvement	MBDS	3548	2713	2/5/2019	42.4422	-70.5820
Boston Harbor Improvement	MBDS	2406	1840	2/5/2019	42.4425	-70.5810
Boston Harbor Improvement	MBDS	4299	3287	2/6/2019	42.4425	-70.5815
Boston Harbor Improvement	MBDS	3770	2883	2/6/2019	42.4425	-70.5811
Boston Harbor Improvement	MBDS	2340	1789	2/6/2019	42.4425	-70.5811
Boston Harbor Improvement	MBDS	3479	2660	2/6/2019	42.4425	-70.5811
Boston Harbor Improvement	MBDS	4037	3087	2/6/2019	42.4432	-70.5800
Boston Harbor Improvement	MBDS	3467	2651	2/7/2019	42.4432	-70.5799
Boston Harbor Improvement	MBDS	2652	2028	2/7/2019	42.4431	-70.5799
Boston Harbor Improvement	MBDS	3631	2776	2/7/2019	42.4430	-70.5801
Boston Harbor Improvement	MBDS	3813	2915	2/7/2019	42.4429	-70.5801
Boston Harbor Improvement	MBDS	2666	2038	2/8/2019	42.4433	-70.5790
Boston Harbor Improvement	MBDS	3287	2513	2/8/2019	42.4435	-70.5785
Boston Harbor Improvement	MBDS	3688	2820	2/8/2019	42.4432	-70.5788
Boston Harbor Improvement	MBDS	3593	2747	2/8/2019	42.4433	-70.5784
Boston Harbor Improvement	MBDS	4152	3174	2/9/2019	42.4410	-70.5854
Boston Harbor Improvement	MBDS	3440	2630	2/9/2019	42.4433	-70.5781

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4048	3095	2/9/2019	42.4434	-70.5778
Boston Harbor Improvement	MBDS	4192	3205	2/10/2019	42.4367	-70.6025
Boston Harbor Improvement	MBDS	3838	2934	2/10/2019	42.4365	-70.6024
Boston Harbor Improvement	MBDS	3579	2736	2/10/2019	42.4372	-70.6019
Boston Harbor Improvement	MBDS	4043	3091	2/11/2019	42.4370	-70.6015
Boston Harbor Improvement	MBDS	3997	3056	2/11/2019	42.4372	-70.6010
Boston Harbor Improvement	MBDS	3640	2783	2/11/2019	42.4372	-70.6013
Boston Harbor Improvement	MBDS	4077	3117	2/11/2019	42.4373	-70.6006
Boston Harbor Improvement	MBDS	4126	3154	2/12/2019	42.4373	-70.6003
Boston Harbor Improvement	MBDS	3719	2843	2/12/2019	42.4374	-70.6004
Boston Harbor Improvement	MBDS	3966	3032	2/12/2019	42.4378	-70.5987
Boston Harbor Improvement	MBDS	1539	1177	2/13/2019	42.4376	-70.5996
Boston Harbor Improvement	MBDS	4147	3171	2/13/2019	42.4377	-70.5988
Boston Harbor Improvement	MBDS	3758	2873	2/14/2019	42.4379	-70.5986
Boston Harbor Improvement	MBDS	1630	1246	2/14/2019	42.4383	-70.5979
Boston Harbor Improvement	MBDS	4187	3201	2/14/2019	42.4338	-70.5802
Boston Harbor Improvement	MBDS	3930	3005	2/15/2019	42.4387	-70.5978
Boston Harbor Improvement	MBDS	3818	2919	2/15/2019	42.4388	-70.5967
Boston Harbor Improvement	MBDS	1535	1174	2/15/2019	42.4387	-70.5965
Boston Harbor Improvement	MBDS	3799	2905	2/16/2019	42.4386	-70.5969
Boston Harbor Improvement	MBDS	1399	1069	2/16/2019	42.4388	-70.5956
Boston Harbor Improvement	MBDS	4215	3222	2/16/2019	42.4389	-70.5957
Boston Harbor Improvement	MBDS	4044	3092	2/17/2019	42.4386	-70.5959
Boston Harbor Improvement	MBDS	1676	1281	2/17/2019	42.4395	-70.5947
Boston Harbor Improvement	MBDS	4097	3132	2/17/2019	42.4391	-70.5944
Boston Harbor Improvement	MBDS	4067	3110	2/18/2019	42.4392	-70.5943
Boston Harbor Improvement	MBDS	4232	3235	2/18/2019	42.4396	-70.5940
Boston Harbor Improvement	MBDS	4133	3160	2/18/2019	42.4390	-70.5948
Boston Harbor Improvement	MBDS	1626	1243	2/18/2019	42.4394	-70.5932
Boston Harbor Improvement	MBDS	3913	2991	2/19/2019	42.4394	-70.5922
Boston Harbor Improvement	MBDS	4044	3092	2/19/2019	42.4398	-70.5919
Boston Harbor Improvement	MBDS	1702	1301	2/19/2019	42.4403	-70.5917
Boston Harbor Improvement	MBDS	4283	3275	2/20/2019	42.4400	-70.5915
Boston Harbor Improvement	MBDS	4024	3076	2/20/2019	42.4401	-70.5915
Boston Harbor Improvement	MBDS	1558	1191	2/20/2019	42.4402	-70.5907
Boston Harbor Improvement	MBDS	3892	2976	2/21/2019	42.4401	-70.5914
Boston Harbor Improvement	MBDS	3804	2908	2/21/2019	42.4405	-70.5906
Boston Harbor Improvement	MBDS	3389	2591	2/21/2019	42.4403	-70.5901
Boston Harbor Improvement	MBDS	4103	3137	2/22/2019	42.4407	-70.5903
Boston Harbor Improvement	MBDS	3627	2773	2/22/2019	42.4410	-70.5894
Boston Harbor Improvement	MBDS	3560	2722	2/22/2019	42.4409	-70.5884
Boston Harbor Improvement	MBDS	3858	2950	2/22/2019	42.4409	-70.5882
Boston Harbor Improvement	MBDS	4080	3120	2/22/2019	42.4409	-70.5892
Boston Harbor Improvement	MBDS	3020	2309	2/23/2019	42.4411	-70.5877
Boston Harbor Improvement	MBDS	3745	2863	2/23/2019	42.4411	-70.5880
Boston Harbor Improvement	MBDS	3931	3006	2/23/2019	42.4416	-70.5882
Boston Harbor Improvement	MBDS	4167	3186	2/24/2019	42.4414	-70.5874
Boston Harbor Improvement	MBDS	3807	2911	2/24/2019	42.4417	-70.5873
Boston Harbor Improvement	MBDS	4021	3074	2/26/2019	42.4413	-70.5873
Boston Harbor Improvement	MBDS	4375	3345	2/26/2019	42.4413	-70.5854
Boston Harbor Improvement	MBDS	3768	2881	2/27/2019	42.4413	-70.5854
Boston Harbor Improvement	MBDS	4212	3220	2/27/2019	42.4418	-70.5851
Boston Harbor Improvement	MBDS	4168	3187	2/27/2019	42.4419	-70.5850
Boston Harbor Improvement	MBDS	3662	2800	2/27/2019	42.4422	-70.5843
Boston Harbor Improvement	MBDS	3895	2978	2/28/2019	42.4425	-70.5834
Boston Harbor Improvement	MBDS	4009	3065	2/28/2019	42.4420	-70.5840
Boston Harbor Improvement	MBDS	3476	2658	2/28/2019	42.4421	-70.5825
Boston Harbor Improvement	MBDS	4282	3274	3/1/2019	42.4423	-70.5839
Boston Harbor Improvement	MBDS	4056	3101	3/1/2019	42.4423	-70.5843
Boston Harbor Improvement	MBDS	3521	2692	3/2/2019	42.4427	-70.5823

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3521	2692	3/2/2019	42.4289	-70.5995
Boston Harbor Improvement	MBDS	3923	2999	3/3/2019	42.4428	-70.5819
Boston Harbor Improvement	MBDS	3443	2633	3/3/2019	42.4425	-70.5824
Boston Harbor Improvement	MBDS	4083	3122	3/4/2019	42.4428	-70.5817
Boston Harbor Improvement	MBDS	3944	3015	3/4/2019	42.4432	-70.5812
Boston Harbor Improvement	MBDS	3512	2685	3/4/2019	42.4434	-70.5811
Boston Harbor Improvement	MBDS	4178	3194	3/5/2019	42.4432	-70.5809
Boston Harbor Improvement	MBDS	3994	3053	3/5/2019	42.4430	-70.5816
Boston Harbor Improvement	MBDS	3666	2803	3/5/2019	42.4435	-70.5798
Boston Harbor Improvement	MBDS	4317	3300	3/6/2019	42.4435	-70.5801
Boston Harbor Improvement	MBDS	4014	3069	3/6/2019	42.4431	-70.5802
Boston Harbor Improvement	MBDS	3497	2674	3/6/2019	42.4438	-70.5797
Boston Harbor Improvement	MBDS	4072	3113	3/7/2019	42.4436	-70.5794
Boston Harbor Improvement	MBDS	3995	3054	3/7/2019	42.4438	-70.5787
Boston Harbor Improvement	MBDS	3610	2760	3/7/2019	42.4444	-70.5782
Boston Harbor Improvement	MBDS	4264	3260	3/8/2019	42.4443	-70.5777
Boston Harbor Improvement	MBDS	3853	2946	3/8/2019	42.4442	-70.5778
Boston Harbor Improvement	MBDS	4039	3088	3/8/2019	42.4437	-70.5789
Boston Harbor Improvement	MBDS	3686	2818	3/8/2019	42.4442	-70.5776
Boston Harbor Improvement	MBDS	2489	1903	3/8/2019	42.4423	-70.5816
Boston Harbor Improvement	MBDS	4206	3215	3/8/2019	42.4372	-70.6024
Boston Harbor Improvement	MBDS	4054	3099	3/9/2019	42.4373	-70.6022
Boston Harbor Improvement	MBDS	3700	2829	3/9/2019	42.4373	-70.6024
Boston Harbor Improvement	MBDS	3755	2871	3/9/2019	42.4375	-70.6000
Boston Harbor Improvement	MBDS	4111	3143	3/9/2019	42.4376	-70.6022
Boston Harbor Improvement	MBDS	2616	2000	3/9/2019	42.4374	-70.6011
Boston Harbor Improvement	MBDS	4269	3264	3/9/2019	42.4376	-70.6011
Boston Harbor Improvement	MBDS	3720	2844	3/9/2019	42.4376	-70.6016
Boston Harbor Improvement	MBDS	3824	2924	3/9/2019	42.4376	-70.6009
Boston Harbor Improvement	MBDS	4119	3149	3/10/2019	42.4378	-70.6012
Boston Harbor Improvement	MBDS	4210	3219	3/10/2019	42.4380	-70.6005
Boston Harbor Improvement	MBDS	2722	2081	3/10/2019	42.4382	-70.5994
Boston Harbor Improvement	MBDS	3687	2819	3/10/2019	42.4382	-70.6000
Boston Harbor Improvement	MBDS	4186	3201	3/11/2019	42.4382	-70.6004
Boston Harbor Improvement	MBDS	4258	3255	3/11/2019	42.4385	-70.5990
Boston Harbor Improvement	MBDS	2611	1996	3/11/2019	42.4380	-70.5997
Boston Harbor Improvement	MBDS	3236	2474	3/11/2019	42.4385	-70.5980
Boston Harbor Improvement	MBDS	3950	3020	3/12/2019	42.4382	-70.5990
Boston Harbor Improvement	MBDS	1846	1411	3/12/2019	42.4383	-70.5988
Boston Harbor Improvement	MBDS	3468	2651	3/12/2019	42.4385	-70.5983
Boston Harbor Improvement	MBDS	4018	3072	3/12/2019	42.4386	-70.5980
Boston Harbor Improvement	MBDS	3671	2806	3/12/2019	42.4390	-70.5976
Boston Harbor Improvement	MBDS	3796	2902	3/12/2019	42.4385	-70.5977
Boston Harbor Improvement	MBDS	3670	2806	3/12/2019	42.4389	-70.5977
Boston Harbor Improvement	MBDS	1907	1458	3/13/2019	42.4389	-70.5976
Boston Harbor Improvement	MBDS	4104	3138	3/13/2019	42.4392	-70.5963
Boston Harbor Improvement	MBDS	4222	3228	3/13/2019	42.4387	-70.5972
Boston Harbor Improvement	MBDS	3658	2797	3/13/2019	42.4390	-70.5896
Boston Harbor Improvement	MBDS	4169	3187	3/13/2019	42.4391	-70.5965
Boston Harbor Improvement	MBDS	3653	2793	3/13/2019	42.4387	-70.5967
Boston Harbor Improvement	MBDS	4078	3118	3/14/2019	42.4395	-70.5952
Boston Harbor Improvement	MBDS	2404	1838	3/14/2019	42.4392	-70.5953
Boston Harbor Improvement	MBDS	3510	2684	3/14/2019	42.4393	-70.5951
Boston Harbor Improvement	MBDS	4269	3264	3/14/2019	42.4392	-70.5959
Boston Harbor Improvement	MBDS	3602	2754	3/14/2019	42.4393	-70.5961
Boston Harbor Improvement	MBDS	2432	1860	3/15/2019	42.4396	-70.5941
Boston Harbor Improvement	MBDS	4094	3130	3/15/2019	42.4399	-70.5940
Boston Harbor Improvement	MBDS	3479	2660	3/15/2019	42.4403	-70.5858
Boston Harbor Improvement	MBDS	3985	3047	3/15/2019	42.4396	-70.5946
Boston Harbor Improvement	MBDS	4144	3168	3/15/2019	42.4394	-70.5950

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3575	2733	3/16/2019	42.4402	-70.5945
Boston Harbor Improvement	MBDS	4279	3271	3/16/2019	42.4399	-70.5945
Boston Harbor Improvement	MBDS	3303	2525	3/16/2019	42.4402	-70.5943
Boston Harbor Improvement	MBDS	4092	3128	3/16/2019	42.4402	-70.5943
Boston Harbor Improvement	MBDS	3578	2735	3/16/2019	42.4405	-70.5936
Boston Harbor Improvement	MBDS	2277	1741	3/16/2019	42.4401	-70.5930
Boston Harbor Improvement	MBDS	4188	3202	3/17/2019	42.4397	-70.5935
Boston Harbor Improvement	MBDS	4166	3185	3/17/2019	42.4397	-70.5937
Boston Harbor Improvement	MBDS	3531	2699	3/17/2019	42.4399	-70.5932
Boston Harbor Improvement	MBDS	3411	2608	3/17/2019	42.4402	-70.5932
Boston Harbor Improvement	MBDS	4008	3065	3/17/2019	42.4403	-70.5922
Boston Harbor Improvement	MBDS	4058	3103	3/18/2019	42.4405	-70.5916
Boston Harbor Improvement	MBDS	3525	2695	3/18/2019	42.4403	-70.5921
Boston Harbor Improvement	MBDS	4275	3268	3/18/2019	42.4403	-70.5919
Boston Harbor Improvement	MBDS	4174	3191	3/18/2019	42.4404	-70.5917
Boston Harbor Improvement	MBDS	2184	1670	3/19/2019	42.4408	-70.5910
Boston Harbor Improvement	MBDS	4120	3150	3/19/2019	42.4407	-70.5908
Boston Harbor Improvement	MBDS	3645	2787	3/19/2019	42.4411	-70.5905
Boston Harbor Improvement	MBDS	3348	2560	3/19/2019	42.4407	-70.5910
Boston Harbor Improvement	MBDS	4034	3084	3/19/2019	42.4410	-70.5901
Boston Harbor Improvement	MBDS	4153	3176	3/20/2019	42.4411	-70.5895
Boston Harbor Improvement	MBDS	3685	2817	3/20/2019	42.4409	-70.5896
Boston Harbor Improvement	MBDS	4112	3144	3/20/2019	42.4410	-70.5899
Boston Harbor Improvement	MBDS	2481	1897	3/20/2019	42.4411	-70.5899
Boston Harbor Improvement	MBDS	4324	3306	3/20/2019	42.4416	-70.5897
Boston Harbor Improvement	MBDS	3502	2677	3/21/2019	42.4405	-70.5893
Boston Harbor Improvement	MBDS	4243	3244	3/21/2019	42.4413	-70.5889
Boston Harbor Improvement	MBDS	4139	3165	3/21/2019	42.4412	-70.5894
Boston Harbor Improvement	MBDS	3641	2784	3/21/2019	42.4414	-70.5885
Boston Harbor Improvement	MBDS	4025	3078	3/22/2019	42.4413	-70.5890
Boston Harbor Improvement	MBDS	3795	2902	3/22/2019	42.4417	-70.5878
Boston Harbor Improvement	MBDS	3637	2780	3/22/2019	42.4416	-70.5876
Boston Harbor Improvement	MBDS	2563	1960	3/22/2019	42.4419	-70.5866
Boston Harbor Improvement	MBDS	3926	3002	3/23/2019	42.4417	-70.5870
Boston Harbor Improvement	MBDS	4072	3113	3/23/2019	42.4416	-70.5880
Boston Harbor Improvement	MBDS	3456	2642	3/23/2019	42.4420	-70.5865
Boston Harbor Improvement	MBDS	3416	2612	3/23/2019	42.4420	-70.5866
Boston Harbor Improvement	MBDS	3943	3015	3/23/2019	42.4421	-70.5865
Boston Harbor Improvement	MBDS	2368	1810	3/23/2019	42.4418	-70.5867
Boston Harbor Improvement	MBDS	3712	2838	3/24/2019	42.4418	-70.5869
Boston Harbor Improvement	MBDS	4176	3192	3/24/2019	42.4422	-70.5855
Boston Harbor Improvement	MBDS	3471	2654	3/24/2019	42.4425	-70.5857
Boston Harbor Improvement	MBDS	4026	3078	3/25/2019	42.4422	-70.5856
Boston Harbor Improvement	MBDS	3201	2447	3/25/2019	42.4428	-70.5857
Boston Harbor Improvement	MBDS	4083	3122	3/25/2019	42.4425	-70.5855
Boston Harbor Improvement	MBDS	4187	3201	3/26/2019	42.4423	-70.5847
Boston Harbor Improvement	MBDS	3040	2324	3/27/2019	42.4432	-70.5798
Boston Harbor Improvement	MBDS	2013	1539	3/27/2019	42.4426	-70.5844
Boston Harbor Improvement	MBDS	4185	3200	3/27/2019	42.4427	-70.5842
Boston Harbor Improvement	MBDS	4399	3363	3/28/2019	42.4428	-70.5839
Boston Harbor Improvement	MBDS	2942	2249	3/28/2019	42.4338	-70.5801
Boston Harbor Improvement	MBDS	4184	3199	3/28/2019	42.4428	-70.5840
Boston Harbor Improvement	MBDS	4216	3223	3/29/2019	42.4428	-70.5832
Boston Harbor Improvement	MBDS	1759	1344	3/29/2019	42.4342	-70.5796
Boston Harbor Improvement	MBDS	4116	3147	3/29/2019	42.4426	-70.5842
Boston Harbor Improvement	MBDS	4271	3266	3/30/2019	42.4432	-70.5822
Boston Harbor Improvement	MBDS	4131	3158	3/30/2019	42.4430	-70.5824
Boston Harbor Improvement	MBDS	4364	3337	3/31/2019	42.4431	-70.5822
Boston Harbor Improvement	MBDS	2306	1763	3/31/2019	42.4439	-70.5803
Boston Harbor Improvement	MBDS	3182	2433	3/31/2019	42.4432	-70.5821

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	2339	1788	4/1/2019	42.4435	-70.5815
Boston Harbor Improvement	MBDS	3995	3054	4/1/2019	42.4437	-70.5808
Boston Harbor Improvement	MBDS	2220	1697	4/1/2019	42.4438	-70.5784
Boston Harbor Improvement	MBDS	3223	2464	4/2/2019	42.4436	-70.5811
Boston Harbor Improvement	MBDS	1146	876	4/2/2019	42.4435	-70.5812
Boston Harbor Improvement	MBDS	3322	2540	4/3/2019	42.4440	-70.5799
Boston Harbor Improvement	MBDS	2250	1720	4/3/2019	42.4437	-70.5799
Boston Harbor Improvement	MBDS	3988	3049	4/4/2019	42.4439	-70.5802
Boston Harbor Improvement	MBDS	3334	2549	4/4/2019	42.4440	-70.5795
Boston Harbor Improvement	MBDS	4159	3180	4/5/2019	42.4437	-70.5802
Boston Harbor Improvement	MBDS	4247	3247	4/5/2019	42.4443	-70.5790
Boston Harbor Improvement	MBDS	2183	1669	4/5/2019	42.4440	-70.5784
Boston Harbor Improvement	MBDS	3550	2714	4/5/2019	42.4443	-70.5791
Boston Harbor Improvement	MBDS	4179	3195	4/6/2019	42.4447	-70.5785
Boston Harbor Improvement	MBDS	4200	3211	4/6/2019	42.4444	-70.5789
Boston Harbor Improvement	MBDS	4198	3210	4/6/2019	42.4447	-70.5776
Boston Harbor Improvement	MBDS	3047	2330	4/6/2019	42.4341	-70.5807
Boston Harbor Improvement	MBDS	4121	3151	4/6/2019	42.4449	-70.5775
Boston Harbor Improvement	MBDS	4122	3151	4/7/2019	42.4448	-70.5778
Boston Harbor Improvement	MBDS	2223	1700	4/7/2019	42.4445	-70.5781
Boston Harbor Improvement	MBDS	4245	3245	4/7/2019	42.4449	-70.5777
Boston Harbor Improvement	MBDS	4306	3292	4/7/2019	42.4380	-70.6020
Boston Harbor Improvement	MBDS	2866	2191	4/7/2019	42.4380	-70.6024
Boston Harbor Improvement	MBDS	4155	3177	4/8/2019	42.4377	-70.6020
Boston Harbor Improvement	MBDS	4105	3138	4/8/2019	42.4378	-70.6020
Boston Harbor Improvement	MBDS	2213	1692	4/8/2019	42.4378	-70.6019
Boston Harbor Improvement	MBDS	3582	2739	4/8/2019	42.4384	-70.6009
Boston Harbor Improvement	MBDS	4262	3259	4/8/2019	42.4380	-70.6013
Boston Harbor Improvement	MBDS	2583	1975	4/9/2019	42.4381	-70.6006
Boston Harbor Improvement	MBDS	4140	3165	4/9/2019	42.4380	-70.6012
Boston Harbor Improvement	MBDS	2361	1805	4/9/2019	42.4407	-70.5913
Boston Harbor Improvement	MBDS	3952	3021	4/9/2019	42.4387	-70.6003
Boston Harbor Improvement	MBDS	4198	3210	4/9/2019	42.4382	-70.6006
Boston Harbor Improvement	MBDS	2550	1949	4/9/2019	42.4382	-70.6003
Boston Harbor Improvement	MBDS	2605	1992	4/9/2019	42.4382	-70.6006
Boston Harbor Improvement	MBDS	4003	3060	4/10/2019	42.4385	-70.6001
Boston Harbor Improvement	MBDS	4278	3271	4/10/2019	42.4387	-70.5990
Boston Harbor Improvement	MBDS	2695	2060	4/10/2019	42.4389	-70.5987
Boston Harbor Improvement	MBDS	2381	1820	4/10/2019	42.4387	-70.5991
Boston Harbor Improvement	MBDS	3628	2774	4/10/2019	42.4389	-70.5991
Boston Harbor Improvement	MBDS	4084	3122	4/11/2019	42.4390	-70.5981
Boston Harbor Improvement	MBDS	2803	2143	4/11/2019	42.4391	-70.5982
Boston Harbor Improvement	MBDS	3963	3030	4/11/2019	42.4392	-70.5977
Boston Harbor Improvement	MBDS	4209	3218	4/11/2019	42.4391	-70.5983
Boston Harbor Improvement	MBDS	2590	1981	4/11/2019	42.4410	-70.5790
Boston Harbor Improvement	MBDS	1778	1359	4/11/2019	42.4393	-70.5977
Boston Harbor Improvement	MBDS	4208	3217	4/12/2019	42.4393	-70.5969
Boston Harbor Improvement	MBDS	2600	1988	4/12/2019	42.4402	-70.5937
Boston Harbor Improvement	MBDS	2811	2149	4/12/2019	42.4397	-70.5964
Boston Harbor Improvement	MBDS	4135	3161	4/12/2019	42.4397	-70.5965
Boston Harbor Improvement	MBDS	4133	3160	4/12/2019	42.4397	-70.5970
Boston Harbor Improvement	MBDS	2984	2282	4/12/2019	42.4397	-70.5953
Boston Harbor Improvement	MBDS	3968	3034	4/13/2019	42.4396	-70.5958
Boston Harbor Improvement	MBDS	4331	3312	4/13/2019	42.4395	-70.5959
Boston Harbor Improvement	MBDS	2618	2001	4/13/2019	42.4339	-70.5807
Boston Harbor Improvement	MBDS	3893	2976	4/13/2019	42.4397	-70.5956
Boston Harbor Improvement	MBDS	3196	2444	4/13/2019	42.4401	-70.5954
Boston Harbor Improvement	MBDS	4096	3132	4/13/2019	42.4404	-70.5933
Boston Harbor Improvement	MBDS	3886	2971	4/14/2019	42.4404	-70.5933
Boston Harbor Improvement	MBDS	3325	2542	4/14/2019	42.4404	-70.5929

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4112	3144	4/14/2019	42.4405	-70.5933
Boston Harbor Improvement	MBDS	3881	2967	4/14/2019	42.4403	-70.5938
Boston Harbor Improvement	MBDS	3234	2473	4/15/2019	42.4405	-70.5920
Boston Harbor Improvement	MBDS	4313	3298	4/15/2019	42.4405	-70.5925
Boston Harbor Improvement	MBDS	4070	3112	4/15/2019	42.4406	-70.5925
Boston Harbor Improvement	MBDS	3313	2533	4/15/2019	42.4407	-70.5921
Boston Harbor Improvement	MBDS	3976	3040	4/15/2019	42.4410	-70.5911
Boston Harbor Improvement	MBDS	1822	1393	4/16/2019	42.4336	-70.5810
Boston Harbor Improvement	MBDS	3759	2874	4/16/2019	42.4406	-70.5902
Boston Harbor Improvement	MBDS	4160	3180	4/16/2019	42.4411	-70.5910
Boston Harbor Improvement	MBDS	3360	2569	4/16/2019	42.4411	-70.5909
Boston Harbor Improvement	MBDS	3926	3001	4/16/2019	42.4410	-70.5906
Boston Harbor Improvement	MBDS	3967	3033	4/17/2019	42.4413	-70.5903
Boston Harbor Improvement	MBDS	3264	2495	4/17/2019	42.4416	-70.5899
Boston Harbor Improvement	MBDS	3578	2736	4/17/2019	42.4414	-70.5899
Boston Harbor Improvement	MBDS	3578	2736	4/17/2019	42.4414	-70.5899
Boston Harbor Improvement	MBDS	3718	2842	4/17/2019	42.4416	-70.5898
Boston Harbor Improvement	MBDS	4127	3155	4/17/2019	42.4413	-70.5902
Boston Harbor Improvement	MBDS	3250	2485	4/17/2019	42.4418	-70.5888
Boston Harbor Improvement	MBDS	4103	3137	4/18/2019	42.4421	-70.5883
Boston Harbor Improvement	MBDS	3965	3031	4/18/2019	42.4419	-70.5887
Boston Harbor Improvement	MBDS	3435	2626	4/18/2019	42.4421	-70.5877
Boston Harbor Improvement	MBDS	4043	3091	4/18/2019	42.4424	-70.5876
Boston Harbor Improvement	MBDS	4315	3299	4/18/2019	42.4424	-70.5881
Boston Harbor Improvement	MBDS	3370	2577	4/18/2019	42.4421	-70.5881
Boston Harbor Improvement	MBDS	1701	1301	4/19/2019	42.4339	-70.5798
Boston Harbor Improvement	MBDS	3835	2932	4/19/2019	42.4424	-70.5880
Boston Harbor Improvement	MBDS	3909	2989	4/19/2019	42.4422	-70.5867
Boston Harbor Improvement	MBDS	3194	2442	4/19/2019	42.4425	-70.5866
Boston Harbor Improvement	MBDS	4167	3186	4/19/2019	42.4420	-70.5863
Boston Harbor Improvement	MBDS	4261	3258	4/19/2019	42.4423	-70.5871
Boston Harbor Improvement	MBDS	3378	2583	4/20/2019	42.4422	-70.5865
Boston Harbor Improvement	MBDS	4186	3200	4/20/2019	42.4431	-70.5850
Boston Harbor Improvement	MBDS	4156	3178	4/20/2019	42.4428	-70.5859
Boston Harbor Improvement	MBDS	3486	2665	4/20/2019	42.4340	-70.5806
Boston Harbor Improvement	MBDS	3466	2650	4/20/2019	42.4431	-70.5858
Boston Harbor Improvement	MBDS	4096	3131	4/20/2019	42.4428	-70.5859
Boston Harbor Improvement	MBDS	4184	3199	4/21/2019	42.4425	-70.5858
Boston Harbor Improvement	MBDS	3523	2694	4/21/2019	42.4432	-70.5840
Boston Harbor Improvement	MBDS	4449	3402	4/21/2019	42.4432	-70.5842
Boston Harbor Improvement	MBDS	4129	3157	4/22/2019	42.4432	-70.5844
Boston Harbor Improvement	MBDS	4385	3352	4/22/2019	42.4435	-70.5843
Boston Harbor Improvement	MBDS	1804	1379	4/22/2019	42.4339	-70.5815
Boston Harbor Improvement	MBDS	3616	2765	4/23/2019	42.4336	-70.5806
Boston Harbor Improvement	MBDS	3239	2477	4/24/2019	42.4438	-70.5828
Boston Harbor Improvement	MBDS	2400	1835	4/24/2019	42.4435	-70.5831
Boston Harbor Improvement	MBDS	3034	2320	4/26/2019	42.4338	-70.5813
Boston Harbor Improvement	MBDS	4268	3263	4/26/2019	42.4433	-70.5832
Boston Harbor Improvement	MBDS	3894	2978	4/27/2019	42.4331	-70.5808
Boston Harbor Improvement	MBDS	3150	2409	4/27/2019	42.4435	-70.5833
Boston Harbor Improvement	MBDS	4118	3148	4/27/2019	42.4437	-70.5819
Boston Harbor Improvement	MBDS	2274	1739	4/28/2019	42.4439	-70.5820
Boston Harbor Improvement	MBDS	4102	3136	4/28/2019	42.4434	-70.5825
Boston Harbor Improvement	MBDS	4474	3420	4/28/2019	42.4440	-70.5817
Boston Harbor Improvement	MBDS	3796	2903	4/28/2019	42.4437	-70.5819
Boston Harbor Improvement	MBDS	3205	2450	4/28/2019	42.4445	-70.5808
Boston Harbor Improvement	MBDS	4147	3171	4/28/2019	42.4441	-70.5807
Boston Harbor Improvement	MBDS	4541	3472	4/29/2019	42.4441	-70.5804
Boston Harbor Improvement	MBDS	3386	2589	4/29/2019	42.4440	-70.5815
Boston Harbor Improvement	MBDS	2638	2017	4/29/2019	42.4443	-70.5806

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4167	3186	4/29/2019	42.4444	-70.5800
Boston Harbor Improvement	MBDS	4098	3133	4/30/2019	42.4443	-70.5797
Boston Harbor Improvement	MBDS	4206	3216	4/30/2019	42.4443	-70.5797
Boston Harbor Improvement	MBDS	3321	2539	4/30/2019	42.4443	-70.5796
Boston Harbor Improvement	MBDS	3821	2922	4/30/2019	42.4444	-70.5797
Boston Harbor Improvement	MBDS	4392	3358	4/30/2019	42.4447	-70.5791
Boston Harbor Improvement	MBDS	3097	2367	5/1/2019	42.4450	-70.5777
Boston Harbor Improvement	MBDS	3993	3053	5/1/2019	42.4446	-70.5786
Boston Harbor Improvement	MBDS	2388	1826	5/1/2019	42.4448	-70.5786
Boston Harbor Improvement	MBDS	4430	3387	5/1/2019	42.4449	-70.5788
Boston Harbor Improvement	MBDS	3931	3006	5/1/2019	42.4451	-70.5781
Boston Harbor Improvement	MBDS	3408	2605	5/2/2019	42.4452	-70.5776
Boston Harbor Improvement	MBDS	4356	3330	5/2/2019	42.4451	-70.5774
Boston Harbor Improvement	MBDS	3615	2764	5/2/2019	42.4452	-70.5779
Boston Harbor Improvement	MBDS	3701	2829	5/2/2019	42.4450	-70.5772
Boston Harbor Improvement	MBDS	3712	2838	5/2/2019	42.4378	-70.6023
Boston Harbor Improvement	MBDS	4398	3363	5/2/2019	42.4385	-70.6019
Boston Harbor Improvement	MBDS	2090	1598	5/3/2019	42.4383	-70.6019
Boston Harbor Improvement	MBDS	3831	2929	5/3/2019	42.4381	-70.6024
Boston Harbor Improvement	MBDS	4546	3476	5/3/2019	42.4383	-70.6027
Boston Harbor Improvement	MBDS	3488	2667	5/3/2019	42.4389	-70.6000
Boston Harbor Improvement	MBDS	3448	2636	5/3/2019	42.4387	-70.6010
Boston Harbor Improvement	MBDS	2313	1769	5/3/2019	42.4385	-70.6012
Boston Harbor Improvement	MBDS	4340	3318	5/3/2019	42.4384	-70.6013
Boston Harbor Improvement	MBDS	3629	2774	5/3/2019	42.4386	-70.6008
Boston Harbor Improvement	MBDS	4390	3356	5/4/2019	42.4383	-70.6020
Boston Harbor Improvement	MBDS	3615	2764	5/4/2019	42.4392	-70.5993
Boston Harbor Improvement	MBDS	3453	2640	5/4/2019	42.4392	-70.5986
Boston Harbor Improvement	MBDS	3282	2509	5/4/2019	42.4388	-70.6006
Boston Harbor Improvement	MBDS	4119	3149	5/4/2019	42.4387	-70.6005
Boston Harbor Improvement	MBDS	4445	3398	5/4/2019	42.4386	-70.6001
Boston Harbor Improvement	MBDS	4498	3439	5/4/2019	42.4396	-70.5974
Boston Harbor Improvement	MBDS	3919	2996	5/4/2019	42.4391	-70.5987
Boston Harbor Improvement	MBDS	2257	1726	5/4/2019	42.4392	-70.5990
Boston Harbor Improvement	MBDS	3611	2761	5/4/2019	42.4421	-70.5946
Boston Harbor Improvement	MBDS	3987	3048	5/5/2019	42.4392	-70.5987
Boston Harbor Improvement	MBDS	3543	2709	5/5/2019	42.4397	-70.5973
Boston Harbor Improvement	MBDS	3455	2642	5/5/2019	42.4398	-70.5971
Boston Harbor Improvement	MBDS	3872	2961	5/5/2019	42.4397	-70.5975
Boston Harbor Improvement	MBDS	3631	2776	5/5/2019	42.4398	-70.5965
Boston Harbor Improvement	MBDS	4410	3372	5/5/2019	42.4396	-70.5975
Boston Harbor Improvement	MBDS	3206	2451	5/6/2019	42.4400	-70.5964
Boston Harbor Improvement	MBDS	2988	2284	5/6/2019	42.4395	-70.5972
Boston Harbor Improvement	MBDS	4124	3153	5/6/2019	42.4399	-70.5965
Boston Harbor Improvement	MBDS	3708	2835	5/6/2019	42.4403	-70.5955
Boston Harbor Improvement	MBDS	4299	3286	5/6/2019	42.4402	-70.5964
Boston Harbor Improvement	MBDS	3785	2894	5/6/2019	42.4403	-70.5956
Boston Harbor Improvement	MBDS	4406	3369	5/6/2019	42.4396	-70.5957
Boston Harbor Improvement	MBDS	2402	1837	5/6/2019	42.4403	-70.5955
Boston Harbor Improvement	MBDS	3575	2734	5/7/2019	42.4404	-70.5949
Boston Harbor Improvement	MBDS	4201	3212	5/7/2019	42.4403	-70.5957
Boston Harbor Improvement	MBDS	4341	3319	5/7/2019	42.4400	-70.5947
Boston Harbor Improvement	MBDS	1443	1103	5/7/2019	42.4408	-70.5940
Boston Harbor Improvement	MBDS	3084	2358	5/7/2019	42.4407	-70.5941
Boston Harbor Improvement	MBDS	3528	2698	5/7/2019	42.4408	-70.5934
Boston Harbor Improvement	MBDS	4342	3320	5/7/2019	42.4410	-70.5937
Boston Harbor Improvement	MBDS	4224	3229	5/8/2019	42.4409	-70.5933
Boston Harbor Improvement	MBDS	2083	1593	5/8/2019	42.4410	-70.5929
Boston Harbor Improvement	MBDS	3262	2494	5/8/2019	42.4408	-70.5935
Boston Harbor Improvement	MBDS	4403	3366	5/8/2019	42.4404	-70.5940

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3586	2742	5/8/2019	42.4412	-70.5927
Boston Harbor Improvement	MBDS	4255	3253	5/8/2019	42.4414	-70.5921
Boston Harbor Improvement	MBDS	3339	2553	5/8/2019	42.4411	-70.5920
Boston Harbor Improvement	MBDS	3351	2562	5/8/2019	42.4414	-70.5917
Boston Harbor Improvement	MBDS	4528	3462	5/9/2019	42.4416	-70.5928
Boston Harbor Improvement	MBDS	4184	3199	5/9/2019	42.4411	-70.5925
Boston Harbor Improvement	MBDS	3774	2885	5/9/2019	42.4419	-70.5905
Boston Harbor Improvement	MBDS	2158	1650	5/9/2019	42.4341	-70.5804
Boston Harbor Improvement	MBDS	4451	3403	5/9/2019	42.4414	-70.5909
Boston Harbor Improvement	MBDS	1288	984	5/9/2019	42.4421	-70.5893
Boston Harbor Improvement	MBDS	2617	2001	5/9/2019	42.4415	-70.5909
Boston Harbor Improvement	MBDS	4238	3240	5/9/2019	42.4417	-70.5911
Boston Harbor Improvement	MBDS	3748	2866	5/9/2019	42.4422	-70.5893
Boston Harbor Improvement	MBDS	4423	3382	5/10/2019	42.4420	-70.5897
Boston Harbor Improvement	MBDS	1287	984	5/10/2019	42.4420	-70.5895
Boston Harbor Improvement	MBDS	3961	3028	5/10/2019	42.4418	-70.5898
Boston Harbor Improvement	MBDS	3520	2691	5/10/2019	42.4421	-70.5893
Boston Harbor Improvement	MBDS	3551	2715	5/10/2019	42.4425	-70.5885
Boston Harbor Improvement	MBDS	4616	3529	5/10/2019	42.4425	-70.5881
Boston Harbor Improvement	MBDS	1083	828	5/10/2019	42.4423	-70.5884
Boston Harbor Improvement	MBDS	4008	3064	5/11/2019	42.4422	-70.5884
Boston Harbor Improvement	MBDS	3473	2655	5/11/2019	42.4422	-70.5880
Boston Harbor Improvement	MBDS	2172	1660	5/11/2019	42.4340	-70.5815
Boston Harbor Improvement	MBDS	3560	2722	5/11/2019	42.4431	-70.5864
Boston Harbor Improvement	MBDS	4335	3314	5/11/2019	42.4425	-70.5872
Boston Harbor Improvement	MBDS	3773	2884	5/11/2019	42.4393	-70.5985
Boston Harbor Improvement	MBDS	4128	3156	5/11/2019	42.4426	-70.5873
Boston Harbor Improvement	MBDS	3961	3028	5/11/2019	42.4417	-70.5869
Boston Harbor Improvement	MBDS	3646	2787	5/11/2019	42.4426	-70.5876
Boston Harbor Improvement	MBDS	4442	3396	5/12/2019	42.4429	-70.5866
Boston Harbor Improvement	MBDS	4330	3311	5/12/2019	42.4427	-70.5864
Boston Harbor Improvement	MBDS	3897	2979	5/12/2019	42.4425	-70.5862
Boston Harbor Improvement	MBDS	4315	3299	5/12/2019	42.4432	-70.5862
Boston Harbor Improvement	MBDS	4399	3363	5/12/2019	42.4429	-70.5862
Boston Harbor Improvement	MBDS	4315	3299	5/12/2019	42.4431	-70.5857
Boston Harbor Improvement	MBDS	3644	2786	5/12/2019	42.4434	-70.5848
Boston Harbor Improvement	MBDS	2029	1551	5/12/2019	42.4337	-70.5805
Boston Harbor Improvement	MBDS	3758	2873	5/12/2019	42.4432	-70.5838
Boston Harbor Improvement	MBDS	4359	3332	5/13/2019	42.4434	-70.5854
Boston Harbor Improvement	MBDS	4201	3212	5/13/2019	42.4434	-70.5851
Boston Harbor Improvement	MBDS	4235	3238	5/13/2019	42.4435	-70.5841
Boston Harbor Improvement	MBDS	3668	2804	5/13/2019	42.4431	-70.5842
Boston Harbor Improvement	MBDS	3590	2744	5/13/2019	42.4437	-70.5839
Boston Harbor Improvement	MBDS	4397	3362	5/13/2019	42.4437	-70.5845
Boston Harbor Improvement	MBDS	3519	2690	5/13/2019	42.4439	-70.5839
Boston Harbor Improvement	MBDS	3681	2814	5/14/2019	42.4440	-70.5833
Boston Harbor Improvement	MBDS	4096	3132	5/15/2019	42.4438	-70.5831
Boston Harbor Improvement	MBDS	2297	1756	5/15/2019	42.4375	-70.5864
Boston Harbor Improvement	MBDS	4332	3312	5/15/2019	42.4442	-70.5825
Boston Harbor Improvement	MBDS	3532	2701	5/15/2019	42.4440	-70.5829
Boston Harbor Improvement	MBDS	3850	2944	5/16/2019	42.4444	-70.5821
Boston Harbor Improvement	MBDS	4234	3237	5/16/2019	42.4444	-70.5820
Boston Harbor Improvement	MBDS	3901	2983	5/16/2019	42.4442	-70.5815
Boston Harbor Improvement	MBDS	3671	2807	5/16/2019	42.4444	-70.5816
Boston Harbor Improvement	MBDS	4201	3212	5/16/2019	42.4446	-70.5815
Boston Harbor Improvement	MBDS	4393	3358	5/16/2019	42.4445	-70.5814
Boston Harbor Improvement	MBDS	4096	3132	5/16/2019	42.4445	-70.5813
Boston Harbor Improvement	MBDS	3335	2549	5/17/2019	42.4447	-70.5805
Boston Harbor Improvement	MBDS	3591	2745	5/17/2019	42.4447	-70.5807
Boston Harbor Improvement	MBDS	4179	3195	5/17/2019	42.4448	-70.5809

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	4191	3204	5/17/2019	42.4446	-70.5800
Boston Harbor Improvement	MBDS	4341	3319	5/17/2019	42.4450	-70.5799
Boston Harbor Improvement	MBDS	3922	2999	5/17/2019	42.4448	-70.5799
Boston Harbor Improvement	MBDS	3159	2415	5/18/2019	42.4452	-70.5783
Boston Harbor Improvement	MBDS	4189	3203	5/18/2019	42.4449	-70.5798
Boston Harbor Improvement	MBDS	4071	3113	5/18/2019	42.4453	-70.5780
Boston Harbor Improvement	MBDS	3883	2969	5/18/2019	42.4451	-70.5790
Boston Harbor Improvement	MBDS	3975	3039	5/18/2019	42.4450	-70.5784
Boston Harbor Improvement	MBDS	3899	2981	5/18/2019	42.4453	-70.5787
Boston Harbor Improvement	MBDS	4324	3306	5/19/2019	42.4455	-70.5780
Boston Harbor Improvement	MBDS	3598	2751	5/19/2019	42.4459	-70.5781
Boston Harbor Improvement	MBDS	3052	2334	5/19/2019	42.4465	-70.5766
Boston Harbor Improvement	MBDS	3706	2834	5/19/2019	42.4456	-70.5781
Boston Harbor Improvement	MBDS	4213	3221	5/19/2019	42.4457	-70.5776
Boston Harbor Improvement	MBDS	4356	3330	5/19/2019	42.4456	-70.5774
Boston Harbor Improvement	MBDS	3591	2745	5/19/2019	42.4388	-70.6019
Boston Harbor Improvement	MBDS	3176	2428	5/19/2019	42.4399	-70.5994
Boston Harbor Improvement	MBDS	3510	2684	5/19/2019	42.4337	-70.5810
Boston Harbor Improvement	MBDS	4077	3117	5/20/2019	42.4390	-70.6009
Boston Harbor Improvement	MBDS	4177	3194	5/20/2019	42.4388	-70.6020
Boston Harbor Improvement	MBDS	4116	3147	5/20/2019	42.4386	-70.6021
Boston Harbor Improvement	MBDS	3654	2794	5/20/2019	42.4394	-70.5996
Boston Harbor Improvement	MBDS	3961	3029	5/20/2019	42.4391	-70.6008
Boston Harbor Improvement	MBDS	2194	1678	5/20/2019	42.4392	-70.6008
Boston Harbor Improvement	MBDS	4243	3244	5/20/2019	42.4394	-70.6002
Boston Harbor Improvement	MBDS	4410	3372	5/21/2019	42.4392	-70.6003
Boston Harbor Improvement	MBDS	3650	2791	5/21/2019	42.4396	-70.5994
Boston Harbor Improvement	MBDS	4184	3199	5/21/2019	42.4395	-70.5994
Boston Harbor Improvement	MBDS	4181	3196	5/21/2019	42.4395	-70.5986
Boston Harbor Improvement	MBDS	4442	3396	5/21/2019	42.4393	-70.6003
Boston Harbor Improvement	MBDS	3285	2512	5/21/2019	42.4392	-70.6001
Boston Harbor Improvement	MBDS	3769	2882	5/22/2019	42.4394	-70.5999
Boston Harbor Improvement	MBDS	3647	2788	5/22/2019	42.4400	-70.5982
Boston Harbor Improvement	MBDS	4163	3183	5/22/2019	42.4397	-70.5988
Boston Harbor Improvement	MBDS	4082	3121	5/22/2019	42.4394	-70.5986
Boston Harbor Improvement	MBDS	2131	1629	5/22/2019	42.4337	-70.5815
Boston Harbor Improvement	MBDS	4251	3250	5/22/2019	42.4396	-70.5995
Boston Harbor Improvement	MBDS	3711	2837	5/22/2019	42.4402	-70.5971
Boston Harbor Improvement	MBDS	4200	3211	5/23/2019	42.4400	-70.5976
Boston Harbor Improvement	MBDS	4170	3188	5/23/2019	42.4397	-70.5977
Boston Harbor Improvement	MBDS	3962	3029	5/23/2019	42.4401	-70.5976
Boston Harbor Improvement	MBDS	3916	2994	5/23/2019	42.4403	-70.5975
Boston Harbor Improvement	MBDS	4424	3383	5/23/2019	42.4403	-70.5968
Boston Harbor Improvement	MBDS	2779	2125	5/23/2019	42.4405	-70.5967
Boston Harbor Improvement	MBDS	3756	2871	5/23/2019	42.4389	-70.5862
Boston Harbor Improvement	MBDS	4422	3381	5/23/2019	42.4402	-70.5969
Boston Harbor Improvement	MBDS	4673	3573	5/24/2019	42.4410	-70.5943
Boston Harbor Improvement	MBDS	3656	2795	5/24/2019	42.4403	-70.5965
Boston Harbor Improvement	MBDS	4215	3223	5/24/2019	42.4405	-70.5952
Boston Harbor Improvement	MBDS	3756	2872	5/24/2019	42.4412	-70.5946
Boston Harbor Improvement	MBDS	4190	3204	5/24/2019	42.4405	-70.5959
Boston Harbor Improvement	MBDS	2173	1661	5/24/2019	42.4407	-70.5954
Boston Harbor Improvement	MBDS	3417	2612	5/25/2019	42.4409	-70.5954
Boston Harbor Improvement	MBDS	4515	3452	5/25/2019	42.4411	-70.5939
Boston Harbor Improvement	MBDS	2853	2181	5/25/2019	42.4410	-70.5944
Boston Harbor Improvement	MBDS	3657	2796	5/25/2019	42.4411	-70.5939
Boston Harbor Improvement	MBDS	4215	3223	5/26/2019	42.4412	-70.5932
Boston Harbor Improvement	MBDS	3600	2753	5/26/2019	42.4414	-70.5936
Boston Harbor Improvement	MBDS	4280	3273	5/26/2019	42.4415	-70.5932
Boston Harbor Improvement	MBDS	4325	3307	5/26/2019	42.4413	-70.5934

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	4185	3200	5/26/2019	42.4413	-70.5932
Boston Harbor Improvement	MBDS	2300	1758	5/27/2019	42.4412	-70.5934
Boston Harbor Improvement	MBDS	3191	2440	5/27/2019	42.4416	-70.5933
Boston Harbor Improvement	MBDS	3699	2828	5/27/2019	42.4417	-70.5927
Boston Harbor Improvement	MBDS	4123	3152	5/27/2019	42.4417	-70.5924
Boston Harbor Improvement	MBDS	4182	3197	5/27/2019	42.4415	-70.5923
Boston Harbor Improvement	MBDS	4261	3258	5/27/2019	42.4418	-70.5921
Boston Harbor Improvement	MBDS	3812	2914	5/27/2019	42.4419	-70.5916
Boston Harbor Improvement	MBDS	3705	2832	5/27/2019	42.4422	-70.5910
Boston Harbor Improvement	MBDS	3321	2539	5/27/2019	42.4419	-70.5922
Boston Harbor Improvement	MBDS	4272	3266	5/28/2019	42.4418	-70.5909
Boston Harbor Improvement	MBDS	1952	1492	5/28/2019	42.4419	-70.5908
Boston Harbor Improvement	MBDS	4229	3233	5/28/2019	42.4425	-70.5895
Boston Harbor Improvement	MBDS	3413	2610	5/28/2019	42.4419	-70.5909
Boston Harbor Improvement	MBDS	4111	3143	5/28/2019	42.4423	-70.5899
Boston Harbor Improvement	MBDS	1691	1293	5/28/2019	42.4423	-70.5902
Boston Harbor Improvement	MBDS	4347	3324	5/28/2019	42.4425	-70.5902
Boston Harbor Improvement	MBDS	3956	3024	5/28/2019	42.4424	-70.5902
Boston Harbor Improvement	MBDS	4403	3366	5/28/2019	42.4429	-70.5886
Boston Harbor Improvement	MBDS	3277	2505	5/29/2019	42.4430	-70.5888
Boston Harbor Improvement	MBDS	4268	3263	5/29/2019	42.4427	-70.5890
Boston Harbor Improvement	MBDS	1783	1363	5/29/2019	42.4425	-70.5895
Boston Harbor Improvement	MBDS	2211	1691	5/29/2019	42.4426	-70.5892
Boston Harbor Improvement	MBDS	4092	3129	5/29/2019	42.4431	-70.5876
Boston Harbor Improvement	MBDS	4308	3294	5/30/2019	42.4428	-70.5881
Boston Harbor Improvement	MBDS	1702	1301	5/30/2019	42.4433	-70.5868
Boston Harbor Improvement	MBDS	4130	3158	5/30/2019	42.4431	-70.5871
Boston Harbor Improvement	MBDS	3285	2511	5/30/2019	42.4433	-70.5864
Boston Harbor Improvement	MBDS	4265	3260	5/30/2019	42.4435	-70.5861
Boston Harbor Improvement	MBDS	3535	2703	5/30/2019	42.4434	-70.5866
Boston Harbor Improvement	MBDS	4307	3293	5/30/2019	42.4433	-70.5864
Boston Harbor Improvement	MBDS	2102	1607	5/30/2019	42.4431	-70.5862
Boston Harbor Improvement	MBDS	1862	1424	5/30/2019	42.4434	-70.5864
Boston Harbor Improvement	MBDS	3705	2833	5/31/2019	42.4437	-70.5855
Boston Harbor Improvement	MBDS	3988	3049	5/31/2019	42.4438	-70.5851
Boston Harbor Improvement	MBDS	4246	3246	5/31/2019	42.4438	-70.5857
Boston Harbor Improvement	MBDS	4499	3440	5/31/2019	42.4437	-70.5852
Boston Harbor Improvement	MBDS	1824	1395	5/31/2019	42.4440	-70.5841
Boston Harbor Improvement	MBDS	3765	2879	5/31/2019	42.4441	-70.5845
Boston Harbor Improvement	MBDS	3328	2545	5/31/2019	42.4442	-70.5845
Boston Harbor Improvement	MBDS	3825	2924	6/1/2019	42.4445	-70.5839
Boston Harbor Improvement	MBDS	1780	1361	6/1/2019	42.4436	-70.5846
Boston Harbor Improvement	MBDS	4432	3389	6/1/2019	42.4441	-70.5836
Boston Harbor Improvement	MBDS	1497	1145	6/1/2019	42.4442	-70.5833
Boston Harbor Improvement	MBDS	3087	2360	6/1/2019	42.4439	-70.5848
Boston Harbor Improvement	MBDS	2354	1800	6/1/2019	42.4444	-70.5830
Boston Harbor Improvement	MBDS	4318	3301	6/1/2019	42.4447	-70.5822
Boston Harbor Improvement	MBDS	4671	3571	6/1/2019	42.4454	-70.5786
Boston Harbor Improvement	MBDS	3464	2649	6/2/2019	42.4447	-70.5813
Boston Harbor Improvement	MBDS	1497	1145	6/2/2019	42.4449	-70.5810
Boston Harbor Improvement	MBDS	4406	3369	6/2/2019	42.4447	-70.5822
Boston Harbor Improvement	MBDS	4494	3436	6/2/2019	42.4446	-70.5818
Boston Harbor Improvement	MBDS	3415	2611	6/2/2019	42.4449	-70.5804
Boston Harbor Improvement	MBDS	3505	2680	6/2/2019	42.4449	-70.5814
Boston Harbor Improvement	MBDS	2392	1829	6/2/2019	42.4450	-70.5807
Boston Harbor Improvement	MBDS	4255	3253	6/2/2019	42.4452	-70.5807
Boston Harbor Improvement	MBDS	4258	3255	6/3/2019	42.4453	-70.5803
Boston Harbor Improvement	MBDS	3510	2683	6/3/2019	42.4454	-70.5789
Boston Harbor Improvement	MBDS	3731	2853	6/3/2019	42.4453	-70.5803
Boston Harbor Improvement	MBDS	3578	2735	6/3/2019	42.4453	-70.5794

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	3379	2583	6/3/2019	42.4456	-70.5787
Boston Harbor Improvement	MBDS	4109	3142	6/3/2019	42.4454	-70.5791
Boston Harbor Improvement	MBDS	2144	1640	6/3/2019	42.4457	-70.5786
Boston Harbor Improvement	MBDS	4003	3060	6/3/2019	42.4456	-70.5787
Boston Harbor Improvement	MBDS	3647	2788	6/4/2019	42.4459	-70.5788
Boston Harbor Improvement	MBDS	3528	2697	6/4/2019	42.4456	-70.5788
Boston Harbor Improvement	MBDS	4121	3151	6/4/2019	42.4457	-70.5784
Boston Harbor Improvement	MBDS	4590	3509	6/4/2019	42.4458	-70.5780
Boston Harbor Improvement	MBDS	2895	2214	6/4/2019	42.4461	-70.5775
Boston Harbor Improvement	MBDS	3321	2539	6/5/2019	42.4338	-70.5810
Boston Harbor Improvement	MBDS	3847	2941	6/5/2019	42.4459	-70.5765
Boston Harbor Improvement	MBDS	3956	3025	6/5/2019	42.4462	-70.5772
Boston Harbor Improvement	MBDS	4262	3259	6/5/2019	42.4457	-70.5776
Boston Harbor Improvement	MBDS	3802	2907	6/5/2019	42.4395	-70.6022
Boston Harbor Improvement	MBDS	2278	1741	6/5/2019	42.4391	-70.6022
Boston Harbor Improvement	MBDS	4126	3154	6/5/2019	42.4392	-70.6023
Boston Harbor Improvement	MBDS	4025	3077	6/5/2019	42.4392	-70.6023
Boston Harbor Improvement	MBDS	4406	3369	6/6/2019	42.4393	-70.6022
Boston Harbor Improvement	MBDS	3574	2733	6/6/2019	42.4395	-70.6016
Boston Harbor Improvement	MBDS	3400	2599	6/6/2019	42.4396	-70.6002
Boston Harbor Improvement	MBDS	4242	3244	6/6/2019	42.4396	-70.6010
Boston Harbor Improvement	MBDS	4042	3090	6/6/2019	42.4395	-70.6011
Boston Harbor Improvement	MBDS	4245	3246	6/6/2019	42.4397	-70.6008
Boston Harbor Improvement	MBDS	3624	2771	6/6/2019	42.4398	-70.6002
Boston Harbor Improvement	MBDS	3688	2820	6/6/2019	42.4398	-70.5997
Boston Harbor Improvement	MBDS	3552	2716	6/6/2019	42.4396	-70.5997
Boston Harbor Improvement	MBDS	4646	3552	6/7/2019	42.4397	-70.5998
Boston Harbor Improvement	MBDS	4286	3277	6/7/2019	42.4394	-70.5997
Boston Harbor Improvement	MBDS	4421	3380	6/7/2019	42.4402	-70.5984
Boston Harbor Improvement	MBDS	2448	1872	6/7/2019	42.4400	-70.5987
Boston Harbor Improvement	MBDS	3705	2833	6/7/2019	42.4404	-70.5986
Boston Harbor Improvement	MBDS	3507	2681	6/7/2019	42.4403	-70.5988
Boston Harbor Improvement	MBDS	3880	2967	6/7/2019	42.4407	-70.5974
Boston Harbor Improvement	MBDS	3811	2914	6/7/2019	42.4407	-70.5973
Boston Harbor Improvement	MBDS	4297	3285	6/7/2019	42.4404	-70.5980
Boston Harbor Improvement	MBDS	4194	3206	6/8/2019	42.4406	-70.5977
Boston Harbor Improvement	MBDS	3804	2908	6/8/2019	42.4404	-70.5983
Boston Harbor Improvement	MBDS	3801	2906	6/8/2019	42.4408	-70.5966
Boston Harbor Improvement	MBDS	2238	1711	6/8/2019	42.4413	-70.5949
Boston Harbor Improvement	MBDS	4472	3419	6/8/2019	42.4409	-70.5966
Boston Harbor Improvement	MBDS	4333	3312	6/8/2019	42.4413	-70.5959
Boston Harbor Improvement	MBDS	4064	3107	6/8/2019	42.4406	-70.5965
Boston Harbor Improvement	MBDS	3778	2889	6/8/2019	42.4412	-70.5957
Boston Harbor Improvement	MBDS	4608	3523	6/9/2019	42.4412	-70.5960
Boston Harbor Improvement	MBDS	4195	3207	6/9/2019	42.4412	-70.5952
Boston Harbor Improvement	MBDS	3336	2551	6/9/2019	42.4414	-70.5947
Boston Harbor Improvement	MBDS	4299	3287	6/9/2019	42.4413	-70.5955
Boston Harbor Improvement	MBDS	3672	2808	6/9/2019	42.4415	-70.5950
Boston Harbor Improvement	MBDS	4429	3386	6/9/2019	42.4415	-70.5941
Boston Harbor Improvement	MBDS	1721	1316	6/9/2019	42.4416	-70.5942
Boston Harbor Improvement	MBDS	3525	2695	6/10/2019	42.4427	-70.5924
Boston Harbor Improvement	MBDS	4061	3105	6/10/2019	42.4414	-70.5947
Boston Harbor Improvement	MBDS	2339	1788	6/10/2019	42.4419	-70.5928
Boston Harbor Improvement	MBDS	4609	3524	6/10/2019	42.4421	-70.5923
Boston Harbor Improvement	MBDS	4495	3437	6/10/2019	42.4416	-70.5935
Boston Harbor Improvement	MBDS	3545	2710	6/10/2019	42.4423	-70.5916
Boston Harbor Improvement	MBDS	3892	2975	6/10/2019	42.4419	-70.5925
Boston Harbor Improvement	MBDS	3618	2766	6/10/2019	42.4424	-70.5913
Boston Harbor Improvement	MBDS	3999	3058	6/10/2019	42.4421	-70.5920
Boston Harbor Improvement	MBDS	4289	3279	6/11/2019	42.4426	-70.5909

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Improvement	MBDS	4292	3282	6/11/2019	42.4426	-70.5911
Boston Harbor Improvement	MBDS	2210	1689	6/11/2019	42.4427	-70.5907
Boston Harbor Improvement	MBDS	4051	3097	6/11/2019	42.4423	-70.5910
Boston Harbor Improvement	MBDS	3794	2900	6/11/2019	42.4422	-70.5913
Boston Harbor Improvement	MBDS	4304	3290	6/11/2019	42.4430	-70.5897
Boston Harbor Improvement	MBDS	3815	2916	6/11/2019	42.4422	-70.5893
Boston Harbor Improvement	MBDS	3443	2632	6/11/2019	42.4433	-70.5885
Boston Harbor Improvement	MBDS	4241	3243	6/11/2019	42.4430	-70.5891
Boston Harbor Improvement	MBDS	4038	3087	6/12/2019	42.4431	-70.5899
Boston Harbor Improvement	MBDS	4038	3087	6/12/2019	42.4431	-70.5899
Boston Harbor Improvement	MBDS	4537	3469	6/12/2019	42.4432	-70.5888
Boston Harbor Improvement	MBDS	2257	1726	6/12/2019	42.4434	-70.5885
Boston Harbor Improvement	MBDS	3352	2563	6/12/2019	42.4434	-70.5880
Boston Harbor Improvement	MBDS	3644	2786	6/12/2019	42.4435	-70.5877
Boston Harbor Improvement	MBDS	4314	3298	6/12/2019	42.4433	-70.5885
Boston Harbor Improvement	MBDS	4363	3336	6/12/2019	42.4433	-70.5880
Boston Harbor Improvement	MBDS	4363	3336	6/12/2019	42.4433	-70.5880
Boston Harbor Improvement	MBDS	4375	3345	6/12/2019	42.4434	-70.5880
Boston Harbor Improvement	MBDS	3824	2924	6/12/2019	42.4428	-70.5921
Boston Harbor Improvement	MBDS	3620	2768	6/12/2019	42.4434	-70.5867
Boston Harbor Improvement	MBDS	4413	3374	6/13/2019	42.4443	-70.5862
Boston Harbor Improvement	MBDS	3509	2683	6/13/2019	42.4431	-70.5877
Boston Harbor Improvement	MBDS	4347	3323	6/13/2019	42.4440	-70.5863
Boston Harbor Improvement	MBDS	2060	1575	6/13/2019	42.4438	-70.5864
Boston Harbor Improvement	MBDS	3801	2906	6/13/2019	42.4436	-70.5870
Boston Harbor Improvement	MBDS	3485	2664	6/13/2019	42.4438	-70.5865
Boston Harbor Improvement	MBDS	3924	3000	6/13/2019	42.4441	-70.5856
Boston Harbor Improvement	MBDS	4312	3296	6/13/2019	42.4444	-70.5854
Boston Harbor Improvement	MBDS	3924	3000	6/14/2019	42.4441	-70.5856
Boston Harbor Improvement	MBDS	3251	2486	6/14/2019	42.4439	-70.5852
Boston Harbor Improvement	MBDS	4103	3137	6/14/2019	42.4442	-70.5854
Boston Harbor Improvement	MBDS	3531	2700	6/14/2019	42.4439	-70.5864
Boston Harbor Improvement	MBDS	3962	3029	6/14/2019	42.4446	-70.5844
Boston Harbor Improvement	MBDS	4505	3444	6/14/2019	42.4443	-70.5853
Boston Harbor Improvement	MBDS	3962	3029	6/14/2019	42.4446	-70.5844
Boston Harbor Improvement	MBDS	3448	2636	6/14/2019	42.4447	-70.5841
Boston Harbor Improvement	MBDS	4037	3087	6/14/2019	42.4446	-70.5840
Boston Harbor Improvement	MBDS	3808	2912	6/14/2019	42.4448	-70.5837
Boston Harbor Improvement	MBDS	2134	1632	6/14/2019	42.4445	-70.5837
Boston Harbor Improvement	MBDS	3785	2893	6/15/2019	42.4449	-70.5834
Boston Harbor Improvement	MBDS	3994	3054	6/15/2019	42.4450	-70.5831
Boston Harbor Improvement	MBDS	3785	2893	6/15/2019	42.4449	-70.5834
Boston Harbor Improvement	MBDS	3510	2683	6/15/2019	42.4450	-70.5828
Boston Harbor Improvement	MBDS	4475	3421	6/15/2019	42.4450	-70.5828
Boston Harbor Improvement	MBDS	3535	2703	6/16/2019	42.4452	-70.5818
Boston Harbor Improvement	MBDS	3693	2824	6/16/2019	42.4448	-70.5832
Boston Harbor Improvement	MBDS	3396	2596	6/16/2019	42.4453	-70.5812
Boston Harbor Improvement	MBDS	4210	3219	6/16/2019	42.4456	-70.5813
Boston Harbor Improvement	MBDS	4337	3316	6/16/2019	42.4452	-70.5821
Boston Harbor Improvement	MBDS	4108	3141	6/16/2019	42.4461	-70.5795
Boston Harbor Improvement	MBDS	3677	2811	6/16/2019	42.4454	-70.5809
Boston Harbor Improvement	MBDS	4108	3141	6/16/2019	42.4461	-70.5795
Boston Harbor Improvement	MBDS	3822	2922	6/16/2019	42.4429	-70.5785
Boston Harbor Improvement	MBDS	1969	1505	6/17/2019	42.4464	-70.5796
Boston Harbor Improvement	MBDS	3501	2677	6/17/2019	42.4461	-70.5798
Boston Harbor Improvement	MBDS	4633	3543	6/17/2019	42.4456	-70.5795
Boston Harbor Improvement	MBDS	3680	2814	6/17/2019	42.4462	-70.5785
Boston Harbor Improvement	MBDS	3501	2677	6/17/2019	42.4461	-70.5798
Boston Harbor Improvement	MBDS	4337	3316	6/17/2019	42.4466	-70.5766
Boston Harbor Improvement	MBDS	3773	2884	6/17/2019	42.4461	-70.5775

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Improvement	MBDS	3768	2881	6/17/2019	42.4467	-70.5773
Boston Harbor Improvement	MBDS	3804	2908	6/18/2019	42.4466	-70.5775
Boston Harbor Improvement	MBDS	4025	3078	6/18/2019	42.4465	-70.5769
Boston Harbor Improvement	MBDS	3804	2908	6/18/2019	42.4466	-70.5775
Boston Harbor Improvement	MBDS	3983	3045	6/18/2019	42.4398	-70.6020
Boston Harbor Improvement	MBDS	3925	3001	6/18/2019	42.4465	-70.5772
Boston Harbor Improvement	MBDS	2061	1576	6/18/2019	42.4465	-70.5771
Boston Harbor Improvement	MBDS	3996	3056	6/18/2019	42.4398	-70.6025
Boston Harbor Improvement	MBDS	4540	3471	6/18/2019	42.4396	-70.6024
Boston Harbor Improvement	MBDS	3996	3056	6/18/2019	42.4398	-70.6025
Boston Harbor Improvement	MBDS	4600	3517	6/18/2019	42.4394	-70.6032
Boston Harbor Improvement	MBDS	3591	2745	6/18/2019	42.4403	-70.6002
Boston Harbor Improvement	MBDS	3772	2884	6/19/2019	42.4395	-70.6021
Boston Harbor Improvement	MBDS	4775	3651	6/19/2019	42.4400	-70.6005
Boston Harbor Improvement	MBDS	4412	3373	6/19/2019	42.4402	-70.6007
Boston Harbor Improvement	MBDS	3774	2885	6/19/2019	42.4402	-70.6010
Boston Harbor Improvement	MBDS	3788	2896	6/20/2019	42.4406	-70.5997
Boston Harbor Improvement	MBDS	3420	2615	6/20/2019	42.4402	-70.6007
Boston Harbor Improvement	MBDS	3788	2896	6/20/2019	42.4406	-70.5997
Boston Harbor Improvement	MBDS	3585	2741	6/20/2019	42.4399	-70.6001
Boston Harbor Improvement	MBDS	3117	2383	6/20/2019	42.4406	-70.5997
Boston Harbor Improvement	MBDS	4498	3439	6/20/2019	42.4405	-70.5992
Boston Harbor Improvement	MBDS	4382	3350	6/20/2019	42.4408	-70.5979
Boston Harbor Improvement	MBDS	3652	2792	6/20/2019	42.4406	-70.5997
Boston Harbor Improvement	MBDS	4219	3225	6/20/2019	42.4408	-70.5988
Boston Harbor Improvement	MBDS	1777	1359	6/20/2019	42.4412	-70.5984
Boston Harbor Improvement	MBDS	4219	3225	6/21/2019	42.4408	-70.5988
Boston Harbor Improvement	MBDS	4722	3610	6/21/2019	42.4410	-70.5974
Boston Harbor Improvement	MBDS	4191	3204	6/21/2019	42.4409	-70.5985
Boston Harbor Improvement	MBDS	3651	2791	6/21/2019	42.4410	-70.5962
Boston Harbor Improvement	MBDS	3391	2592	6/21/2019	42.4411	-70.5976
Boston Harbor Improvement	MBDS	4137	3163	6/21/2019	42.4411	-70.5978
Boston Harbor Improvement	MBDS	3569	2729	6/22/2019	42.4286	-70.5763
Boston Harbor Improvement	MBDS	4412	3373	6/22/2019	42.4285	-70.5762
Boston Harbor Improvement	MBDS	3044	2327	6/22/2019	42.4287	-70.5761
Boston Harbor Improvement	MBDS	3741	2860	6/22/2019	42.4284	-70.5760
Boston Harbor Improvement	MBDS	4622	3534	6/23/2019	42.4284	-70.5767
Boston Harbor Improvement	MBDS	2011	1537	6/23/2019	42.4290	-70.5768
Boston Harbor Improvement	MBDS	3584	2740	6/23/2019	42.4288	-70.5766
Boston Harbor Improvement	MBDS	4303	3290	6/23/2019	42.4292	-70.5771
Boston Harbor Improvement	MBDS	3720	2844	6/23/2019	42.4288	-70.5763
Boston Harbor Improvement	MBDS	4436	3391	6/24/2019	42.4284	-70.5761
Boston Harbor Improvement	MBDS	3283	2510	6/24/2019	42.4282	-70.5801
Boston Harbor Improvement	MBDS	3858	2949	6/24/2019	42.4291	-70.5765
Boston Harbor Improvement	MBDS	4126	3154	6/24/2019	42.4285	-70.5764
Boston Harbor Improvement	MBDS	4126	3154	6/24/2019	42.4285	-70.5764
Boston Harbor Improvement	MBDS	4502	3442	6/24/2019	42.4285	-70.5752
Boston Harbor Improvement	MBDS	4397	3362	6/24/2019	42.4281	-70.5762
Boston Harbor Improvement	MBDS	2022	1546	6/24/2019	42.4288	-70.5760
Boston Harbor Improvement	MBDS	3780	2890	6/24/2019	42.4288	-70.5758
Boston Harbor Improvement	MBDS	3790	2897	6/25/2019	42.4288	-70.5764
Boston Harbor Improvement	MBDS	3780	2890	6/25/2019	42.4288	-70.5758
Boston Harbor Improvement	MBDS	4432	3389	6/25/2019	42.4291	-70.5761
Boston Harbor Improvement	MBDS	4281	3273	6/25/2019	42.4290	-70.5765
Boston Harbor Improvement	MBDS	3938	3010	6/25/2019	42.4285	-70.5761
Boston Harbor Improvement	MBDS	3698	2827	6/25/2019	42.4285	-70.5765
Boston Harbor Improvement	MBDS	3280	2508	6/25/2019	42.4286	-70.5775
Boston Harbor Improvement	MBDS	3937	3010	6/25/2019	42.4285	-70.5761
Boston Harbor Improvement	MBDS	4380	3349	6/25/2019	42.4287	-70.5765
Boston Harbor Improvement	MBDS	4276	3270	6/25/2019	42.4288	-70.5767

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Maintenance Dred	MBDS	5426	4149	7/30/2017	42.4251	-70.6016
Boston Harbor Maintenance Dred	MBDS	5224	3994	7/31/2017	42.4254	-70.6008
Boston Harbor Maintenance Dred	MBDS	6045	4622	7/31/2017	42.4250	-70.6022
Boston Harbor Maintenance Dred	MBDS	4974	3803	8/1/2017	42.4253	-70.5986
Boston Harbor Maintenance Dred	MBDS	5679	4342	8/1/2017	42.4251	-70.6002
Boston Harbor Maintenance Dred	MBDS	5783	4422	8/1/2017	42.4251	-70.5993
Boston Harbor Maintenance Dred	MBDS	5173	3955	8/2/2017	42.4252	-70.5982
Boston Harbor Maintenance Dred	MBDS	5908	4517	8/2/2017	42.4251	-70.5981
Boston Harbor Maintenance Dred	MBDS	4936	3774	8/3/2017	42.4251	-70.5969
Boston Harbor Maintenance Dred	MBDS	5111	3908	8/3/2017	42.4250	-70.5970
Boston Harbor Maintenance Dred	MBDS	4981	3809	8/4/2017	42.4251	-70.5958
Boston Harbor Maintenance Dred	MBDS	4786	3659	8/4/2017	42.4250	-70.5944
Boston Harbor Maintenance Dred	MBDS	5630	4304	8/4/2017	42.4251	-70.5957
Boston Harbor Maintenance Dred	MBDS	4971	3801	8/5/2017	42.4250	-70.5925
Boston Harbor Maintenance Dred	MBDS	5898	4510	8/5/2017	42.4251	-70.5938
Boston Harbor Maintenance Dred	MBDS	4676	3575	8/6/2017	42.4251	-70.5919
Boston Harbor Maintenance Dred	MBDS	5984	4575	8/6/2017	42.4251	-70.5932
Boston Harbor Maintenance Dred	MBDS	5524	4223	8/6/2017	42.4251	-70.5923
Boston Harbor Maintenance Dred	MBDS	4971	3800	8/7/2017	42.4252	-70.5909
Boston Harbor Maintenance Dred	MBDS	4965	3796	8/7/2017	42.4261	-70.6016
Boston Harbor Maintenance Dred	MBDS	5763	4406	8/7/2017	42.4251	-70.5908
Boston Harbor Maintenance Dred	MBDS	4802	3671	8/8/2017	42.4257	-70.6001
Boston Harbor Maintenance Dred	MBDS	5419	4143	8/8/2017	42.4260	-70.6019
Boston Harbor Maintenance Dred	MBDS	4748	3630	8/9/2017	42.4261	-70.5992
Boston Harbor Maintenance Dred	MBDS	5438	4158	8/9/2017	42.4264	-70.6003
Boston Harbor Maintenance Dred	MBDS	5732	4382	8/9/2017	42.4261	-70.5995
Boston Harbor Maintenance Dred	MBDS	5636	4309	8/10/2017	42.4260	-70.5980
Boston Harbor Maintenance Dred	MBDS	5096	3897	8/10/2017	42.4263	-70.5963
Boston Harbor Maintenance Dred	MBDS	5713	4368	8/10/2017	42.4261	-70.5979
Boston Harbor Maintenance Dred	MBDS	5151	3938	8/11/2017	42.4260	-70.5944
Boston Harbor Maintenance Dred	MBDS	5225	3995	8/12/2017	42.4261	-70.5954
Boston Harbor Maintenance Dred	MBDS	5390	4121	8/12/2017	42.4259	-70.5936
Boston Harbor Maintenance Dred	MBDS	5730	4381	8/12/2017	42.4263	-70.5945
Boston Harbor Maintenance Dred	MBDS	5261	4022	8/14/2017	42.4262	-70.5928
Boston Harbor Maintenance Dred	MBDS	5114	3910	8/14/2017	42.4260	-70.5944
Boston Harbor Maintenance Dred	MBDS	5390	4121	8/14/2017	42.4260	-70.5930
Boston Harbor Maintenance Dred	MBDS	4776	3652	8/15/2017	42.4258	-70.5912
Boston Harbor Maintenance Dred	MBDS	5816	4446	8/15/2017	42.4259	-70.5917
Boston Harbor Maintenance Dred	MBDS	5607	4287	8/16/2017	42.4258	-70.5906
Boston Harbor Maintenance Dred	MBDS	5236	4003	8/16/2017	42.4259	-70.5907
Boston Harbor Maintenance Dred	MBDS	5493	4199	8/17/2017	42.4270	-70.6004
Boston Harbor Maintenance Dred	MBDS	4977	3805	8/17/2017	42.4272	-70.5988
Boston Harbor Maintenance Dred	MBDS	4957	3790	8/17/2017	42.4269	-70.6003
Boston Harbor Maintenance Dred	MBDS	5634	4307	8/18/2017	42.4271	-70.5993
Boston Harbor Maintenance Dred	MBDS	5522	4222	8/18/2017	42.4269	-70.5993
Boston Harbor Maintenance Dred	MBDS	5972	4566	8/18/2017	42.4272	-70.5978
Boston Harbor Maintenance Dred	MBDS	5412	4138	8/19/2017	42.4271	-70.5977
Boston Harbor Maintenance Dred	MBDS	5724	4376	8/19/2017	42.4270	-70.5967
Boston Harbor Maintenance Dred	MBDS	4968	3798	8/20/2017	42.4269	-70.5961
Boston Harbor Maintenance Dred	MBDS	5574	4262	8/20/2017	42.4269	-70.5950
Boston Harbor Maintenance Dred	MBDS	2131	1629	8/20/2017	42.4269	-70.5948
Boston Harbor Maintenance Dred	MBDS	5730	4381	8/21/2017	42.4271	-70.5949
Boston Harbor Maintenance Dred	MBDS	5309	4059	8/21/2017	42.4271	-70.5946
Boston Harbor Maintenance Dred	MBDS	5821	4450	8/21/2017	42.4271	-70.5930
Boston Harbor Maintenance Dred	MBDS	5541	4236	8/22/2017	42.4269	-70.5938
Boston Harbor Maintenance Dred	MBDS	5548	4242	8/22/2017	42.4269	-70.5925
Boston Harbor Maintenance Dred	MBDS	5350	4091	8/22/2017	42.4270	-70.5916
Boston Harbor Maintenance Dred	MBDS	5496	4202	8/23/2017	42.4271	-70.5915
Boston Harbor Maintenance Dred	MBDS	5934	4536	8/23/2017	42.4268	-70.5898
Boston Harbor Maintenance Dred	MBDS	5158	3944	8/23/2017	42.4279	-70.5987

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Maintenance Dred	MBDS	5605	4285	8/24/2017	42.4268	-70.5912
Boston Harbor Maintenance Dred	MBDS	3833	2931	8/24/2017	42.4279	-70.5974
Boston Harbor Maintenance Dred	MBDS	5652	4321	8/24/2017	42.4282	-70.5988
Boston Harbor Maintenance Dred	MBDS	5451	4168	8/25/2017	42.4276	-70.5964
Boston Harbor Maintenance Dred	MBDS	5283	4039	8/25/2017	42.4277	-70.5978
Boston Harbor Maintenance Dred	MBDS	5944	4544	8/25/2017	42.4275	-70.5968
Boston Harbor Maintenance Dred	MBDS	5699	4357	8/26/2017	42.4277	-70.5927
Boston Harbor Maintenance Dred	MBDS	5765	4408	8/26/2017	42.4278	-70.5940
Boston Harbor Maintenance Dred	MBDS	5718	4372	8/26/2017	42.4276	-70.5951
Boston Harbor Maintenance Dred	MBDS	5297	4050	8/27/2017	42.4281	-70.5930
Boston Harbor Maintenance Dred	MBDS	5300	4052	8/27/2017	42.4277	-70.5940
Boston Harbor Maintenance Dred	MBDS	5815	4446	8/27/2017	42.4276	-70.5925
Boston Harbor Maintenance Dred	MBDS	5516	4217	8/28/2017	42.4279	-70.5916
Boston Harbor Maintenance Dred	MBDS	5532	4229	8/28/2017	42.4278	-70.5904
Boston Harbor Maintenance Dred	MBDS	5294	4047	8/28/2017	42.4277	-70.5915
Boston Harbor Maintenance Dred	MBDS	5765	4408	8/29/2017	42.4292	-70.5978
Boston Harbor Maintenance Dred	MBDS	5295	4048	8/29/2017	42.4282	-70.5901
Boston Harbor Maintenance Dred	MBDS	5771	4412	8/29/2017	42.4288	-70.5980
Boston Harbor Maintenance Dred	MBDS	5591	4275	8/30/2017	42.4289	-70.5972
Boston Harbor Maintenance Dred	MBDS	5432	4153	8/30/2017	42.4287	-70.5960
Boston Harbor Maintenance Dred	MBDS	5606	4286	8/30/2017	42.4288	-70.5974
Boston Harbor Maintenance Dred	MBDS	5399	4128	8/31/2017	42.4288	-70.5944
Boston Harbor Maintenance Dred	MBDS	5578	4265	8/31/2017	42.4288	-70.5960
Boston Harbor Maintenance Dred	MBDS	5489	4197	8/31/2017	42.4287	-70.5949
Boston Harbor Maintenance Dred	MBDS	5724	4376	9/1/2017	42.4288	-70.5930
Boston Harbor Maintenance Dred	MBDS	5963	4559	9/1/2017	42.4287	-70.5939
Boston Harbor Maintenance Dred	MBDS	5277	4034	9/2/2017	42.4286	-70.5926
Boston Harbor Maintenance Dred	MBDS	5270	4029	9/2/2017	42.4289	-70.5913
Boston Harbor Maintenance Dred	MBDS	5474	4185	9/2/2017	42.4286	-70.5929
Boston Harbor Maintenance Dred	MBDS	5553	4246	9/3/2017	42.4254	-70.6015
Boston Harbor Maintenance Dred	MBDS	5773	4414	9/3/2017	42.4290	-70.5913
Boston Harbor Maintenance Dred	MBDS	5444	4162	9/4/2017	42.4299	-70.5981
Boston Harbor Maintenance Dred	MBDS	5794	4430	9/4/2017	42.4252	-70.5998
Boston Harbor Maintenance Dred	MBDS	5646	4317	9/5/2017	42.4300	-70.5964
Boston Harbor Maintenance Dred	MBDS	5988	4578	9/5/2017	42.4295	-70.5984
Boston Harbor Maintenance Dred	MBDS	5573	4261	9/6/2017	42.4299	-70.5958
Boston Harbor Maintenance Dred	MBDS	5260	4022	9/6/2017	42.4295	-70.5966
Boston Harbor Maintenance Dred	MBDS	5767	4409	9/6/2017	42.4295	-70.5958
Boston Harbor Maintenance Dred	MBDS	5518	4219	9/7/2017	42.4301	-70.5943
Boston Harbor Maintenance Dred	MBDS	5315	4063	9/7/2017	42.4298	-70.5945
Boston Harbor Maintenance Dred	MBDS	5217	3989	9/8/2017	42.4297	-70.5932
Boston Harbor Maintenance Dred	MBDS	5286	4042	9/8/2017	42.4297	-70.5917
Boston Harbor Maintenance Dred	MBDS	4482	3427	9/8/2017	42.4300	-70.5937
Boston Harbor Maintenance Dred	MBDS	5429	4150	9/9/2017	42.4307	-70.5970
Boston Harbor Maintenance Dred	MBDS	5029	3845	9/9/2017	42.4294	-70.5912
Boston Harbor Maintenance Dred	MBDS	5745	4393	9/9/2017	42.4308	-70.5957
Boston Harbor Maintenance Dred	MBDS	5801	4435	9/10/2017	42.4306	-70.5941
Boston Harbor Maintenance Dred	MBDS	5604	4284	9/10/2017	42.4309	-70.5919
Boston Harbor Maintenance Dred	MBDS	5922	4528	9/10/2017	42.4305	-70.5932
Boston Harbor Maintenance Dred	MBDS	5600	4281	9/11/2017	42.4316	-70.5939
Boston Harbor Maintenance Dred	MBDS	6073	4643	9/11/2017	42.4316	-70.5953
Boston Harbor Maintenance Dred	MBDS	5413	4138	9/11/2017	42.4296	-70.5903
Boston Harbor Maintenance Dred	MBDS	4483	3428	9/11/2017	42.4299	-70.5925
Boston Harbor Maintenance Dred	MBDS	4139	3164	9/11/2017	42.4316	-70.5927
Boston Harbor Maintenance Dred	MBDS	4973	3802	9/12/2017	42.4307	-70.5956
Boston Harbor Maintenance Dred	MBDS	5287	4042	9/12/2017	42.4314	-70.5922
Boston Harbor Maintenance Dred	MBDS	4795	3666	9/12/2017	42.4308	-70.5971
Boston Harbor Maintenance Dred	MBDS	4429	3386	9/12/2017	42.4325	-70.5943
Boston Harbor Maintenance Dred	MBDS	5176	3957	9/13/2017	42.4307	-70.5931
Boston Harbor Maintenance Dred	MBDS	5788	4425	9/13/2017	42.4306	-70.5946

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Maintenance Dred	MBDS	5310	4060	9/13/2017	42.4326	-70.5917
Boston Harbor Maintenance Dred	MBDS	3810	2913	9/13/2017	42.4323	-70.5928
Boston Harbor Maintenance Dred	MBDS	5561	4252	9/14/2017	42.4323	-70.5890
Boston Harbor Maintenance Dred	MBDS	5875	4492	9/14/2017	42.4316	-70.5955
Boston Harbor Maintenance Dred	MBDS	4057	3102	9/14/2017	42.4307	-70.5921
Boston Harbor Maintenance Dred	MBDS	4575	3498	9/14/2017	42.4315	-70.5946
Boston Harbor Maintenance Dred	MBDS	4525	3460	9/14/2017	42.4324	-70.5905
Boston Harbor Maintenance Dred	MBDS	5457	4172	9/15/2017	42.4314	-70.5921
Boston Harbor Maintenance Dred	MBDS	5572	4260	9/15/2017	42.4314	-70.5929
Boston Harbor Maintenance Dred	MBDS	4923	3764	9/15/2017	42.4322	-70.5867
Boston Harbor Maintenance Dred	MBDS	4423	3382	9/15/2017	42.4325	-70.5881
Boston Harbor Maintenance Dred	MBDS	5155	3941	9/15/2017	42.4323	-70.5855
Boston Harbor Maintenance Dred	MBDS	5543	4238	9/16/2017	42.4324	-70.5928
Boston Harbor Maintenance Dred	MBDS	5403	4131	9/16/2017	42.4322	-70.5842
Boston Harbor Maintenance Dred	MBDS	4479	3425	9/16/2017	42.4327	-70.5937
Boston Harbor Maintenance Dred	MBDS	4413	3374	9/17/2017	42.4323	-70.5900
Boston Harbor Maintenance Dred	MBDS	5855	4477	9/17/2017	42.4324	-70.5813
Boston Harbor Maintenance Dred	MBDS	4542	3473	9/17/2017	42.4322	-70.5918
Boston Harbor Maintenance Dred	MBDS	4140	3165	9/17/2017	42.4324	-70.5896
Boston Harbor Maintenance Dred	MBDS	4918	3760	9/17/2017	42.4320	-70.5833
Boston Harbor Maintenance Dred	MBDS	4666	3567	9/18/2017	42.4323	-70.5876
Boston Harbor Maintenance Dred	MBDS	6042	4619	9/18/2017	42.4320	-70.5768
Boston Harbor Maintenance Dred	MBDS	4277	3270	9/18/2017	42.4323	-70.5871
Boston Harbor Maintenance Dred	MBDS	5072	3878	9/18/2017	42.4321	-70.5804
Boston Harbor Maintenance Dred	MBDS	4939	3776	9/18/2017	42.4332	-70.5923
Boston Harbor Maintenance Dred	MBDS	4981	3808	9/19/2017	42.4319	-70.5855
Boston Harbor Maintenance Dred	MBDS	5692	4352	9/19/2017	42.4321	-70.5842
Boston Harbor Maintenance Dred	MBDS	2415	1846	9/19/2017	42.4331	-70.5909
Boston Harbor Maintenance Dred	MBDS	5210	3984	9/23/2017	42.4322	-70.5806
Boston Harbor Maintenance Dred	MBDS	5352	4092	9/24/2017	42.4322	-70.5806
Boston Harbor Maintenance Dred	MBDS	5839	4464	9/24/2017	42.4322	-70.5818
Boston Harbor Maintenance Dred	MBDS	5033	3848	9/24/2017	42.4332	-70.5883
Boston Harbor Maintenance Dred	MBDS	4844	3704	9/24/2017	42.4335	-70.5895
Boston Harbor Maintenance Dred	MBDS	5066	3873	9/24/2017	42.4334	-70.5873
Boston Harbor Maintenance Dred	MBDS	3654	2794	9/25/2017	42.4334	-70.5918
Boston Harbor Maintenance Dred	MBDS	5831	4458	9/25/2017	42.4324	-70.5794
Boston Harbor Maintenance Dred	MBDS	5245	4010	9/25/2017	42.4335	-70.5905
Boston Harbor Maintenance Dred	MBDS	4813	3680	9/25/2017	42.4331	-70.5861
Boston Harbor Maintenance Dred	MBDS	4884	3734	9/25/2017	42.4332	-70.5834
Boston Harbor Maintenance Dred	MBDS	4897	3744	9/25/2017	42.4333	-70.5848
Boston Harbor Maintenance Dred	MBDS	5152	3939	9/26/2017	42.4307	-70.5977
Boston Harbor Maintenance Dred	MBDS	5730	4381	9/26/2017	42.4315	-70.5959
Boston Harbor Maintenance Dred	MBDS	0	0	9/26/2017	42.4311	-70.5969
Boston Harbor Maintenance Dred	MBDS	4930	3769	9/26/2017	42.4308	-70.5976
Boston Harbor Maintenance Dred	MBDS	4778	3653	9/26/2017	42.4305	-70.5983
Boston Harbor Maintenance Dred	MBDS	5669	4334	9/27/2017	42.4323	-70.5928
Boston Harbor Maintenance Dred	MBDS	5575	4262	9/27/2017	42.4317	-70.5947
Boston Harbor Maintenance Dred	MBDS	5241	4007	9/27/2017	42.4323	-70.5928
Boston Harbor Maintenance Dred	MBDS	4357	3332	9/27/2017	42.4317	-70.5952
Boston Harbor Maintenance Dred	MBDS	5015	3834	9/27/2017	42.4314	-70.5963
Boston Harbor Maintenance Dred	MBDS	4736	3621	9/27/2017	42.4321	-70.5940
Boston Harbor Maintenance Dred	MBDS	5312	4061	9/28/2017	42.4327	-70.5914
Boston Harbor Maintenance Dred	MBDS	5229	3998	9/28/2017	42.4330	-70.5904
Boston Harbor Maintenance Dred	MBDS	4277	3270	9/28/2017	42.4323	-70.5930
Boston Harbor Maintenance Dred	MBDS	4828	3691	9/28/2017	42.4324	-70.5918
Boston Harbor Maintenance Dred	MBDS	5183	3962	9/29/2017	42.4330	-70.5889
Boston Harbor Maintenance Dred	MBDS	5484	4193	9/29/2017	42.4341	-70.5867
Boston Harbor Maintenance Dred	MBDS	5240	4006	9/29/2017	42.4335	-70.5896
Boston Harbor Maintenance Dred	MBDS	4470	3418	9/29/2017	42.4328	-70.5905
Boston Harbor Maintenance Dred	MBDS	4727	3614	9/29/2017	42.4335	-70.5881

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Boston Harbor Maintenance Dred	MBDS	5665	4331	9/30/2017	42.4347	-70.5841
Boston Harbor Maintenance Dred	MBDS	5450	4167	9/30/2017	42.4340	-70.5872
Boston Harbor Maintenance Dred	MBDS	4028	3080	9/30/2017	42.4336	-70.5885
Boston Harbor Maintenance Dred	MBDS	4165	3184	9/30/2017	42.4339	-70.5864
Boston Harbor Maintenance Dred	MBDS	5038	3852	9/30/2017	42.4346	-70.5860
Boston Harbor Maintenance Dred	MBDS	4896	3744	9/30/2017	42.4347	-70.5839
Boston Harbor Maintenance Dred	MBDS	5504	4208	10/1/2017	42.4316	-70.5959
Boston Harbor Maintenance Dred	MBDS	5620	4297	10/1/2017	42.4346	-70.5846
Boston Harbor Maintenance Dred	MBDS	4560	3486	10/1/2017	42.4318	-70.5953
Boston Harbor Maintenance Dred	MBDS	4835	3696	10/1/2017	42.4352	-70.5835
Boston Harbor Maintenance Dred	MBDS	5473	4185	10/2/2017	42.4321	-70.5945
Boston Harbor Maintenance Dred	MBDS	5321	4068	10/2/2017	42.4330	-70.5917
Boston Harbor Maintenance Dred	MBDS	5451	4168	10/2/2017	42.4316	-70.5968
Boston Harbor Maintenance Dred	MBDS	5802	4436	10/2/2017	42.4321	-70.5948
Boston Harbor Maintenance Dred	MBDS	4016	3070	10/2/2017	42.4323	-70.5936
Boston Harbor Maintenance Dred	MBDS	4756	3637	10/2/2017	42.4319	-70.5961
Boston Harbor Maintenance Dred	MBDS	5305	4056	10/3/2017	42.4335	-70.5894
Boston Harbor Maintenance Dred	MBDS	5989	4579	10/3/2017	42.4332	-70.5922
Boston Harbor Maintenance Dred	MBDS	4880	3731	10/3/2017	42.4329	-70.5913
Boston Harbor Maintenance Dred	MBDS	4271	3265	10/3/2017	42.4338	-70.5891
Boston Harbor Maintenance Dred	MBDS	4953	3787	10/3/2017	42.4326	-70.5936
Boston Harbor Maintenance Dred	MBDS	5414	4139	10/4/2017	42.4340	-70.5874
Boston Harbor Maintenance Dred	MBDS	5927	4531	10/4/2017	42.4335	-70.5902
Boston Harbor Maintenance Dred	MBDS	4594	3512	10/4/2017	42.4346	-70.5863
Boston Harbor Maintenance Dred	MBDS	4990	3815	10/4/2017	42.4335	-70.5913
Boston Harbor Maintenance Dred	MBDS	5239	4005	10/4/2017	42.4339	-70.5893
Boston Harbor Maintenance Dred	MBDS	5360	4098	10/5/2017	42.4346	-70.5854
Boston Harbor Maintenance Dred	MBDS	5433	4154	10/5/2017	42.4324	-70.5941
Boston Harbor Maintenance Dred	MBDS	4630	3540	10/5/2017	42.4345	-70.5881
Boston Harbor Maintenance Dred	MBDS	4822	3687	10/5/2017	42.4348	-70.5868
Boston Harbor Maintenance Dred	MBDS	5683	4345	10/6/2017	42.4328	-70.5930
Boston Harbor Maintenance Dred	MBDS	5690	4350	10/6/2017	42.4327	-70.5938
Boston Harbor Maintenance Dred	MBDS	4574	3497	10/6/2017	42.4345	-70.5858
Boston Harbor Maintenance Dred	MBDS	4517	3453	10/6/2017	42.4331	-70.5923
Boston Harbor Maintenance Dred	MBDS	4896	3744	10/6/2017	42.4324	-70.5949
Boston Harbor Maintenance Dred	MBDS	5515	4217	10/7/2017	42.4335	-70.5906
Boston Harbor Maintenance Dred	MBDS	5764	4407	10/7/2017	42.4345	-70.5879
Boston Harbor Maintenance Dred	MBDS	5380	4113	10/7/2017	42.4337	-70.5913
Boston Harbor Maintenance Dred	MBDS	4774	3650	10/7/2017	42.4341	-70.5894
Boston Harbor Maintenance Dred	MBDS	4555	3483	10/7/2017	42.4334	-70.5927
Boston Harbor Maintenance Dred	MBDS	5569	4258	10/8/2017	42.4304	-70.5972
Boston Harbor Maintenance Dred	MBDS	5742	4390	10/8/2017	42.4341	-70.5888
Boston Harbor Maintenance Dred	MBDS	4759	3639	10/8/2017	42.4345	-70.5872
Boston Harbor Maintenance Dred	MBDS	4179	3195	10/8/2017	42.4311	-70.5962
Boston Harbor Maintenance Dred	MBDS	4644	3550	10/8/2017	42.4341	-70.5904
Boston Harbor Maintenance Dred	MBDS	5157	3943	10/8/2017	42.4348	-70.5878
Boston Harbor Maintenance Dred	MBDS	5524	4224	10/9/2017	42.4321	-70.5932
Boston Harbor Maintenance Dred	MBDS	6064	4636	10/9/2017	42.4307	-70.5971
Boston Harbor Maintenance Dred	MBDS	5748	4395	10/9/2017	42.4326	-70.5911
Boston Harbor Maintenance Dred	MBDS	4426	3384	10/9/2017	42.4325	-70.5929
Boston Harbor Maintenance Dred	MBDS	5091	3893	10/9/2017	42.4316	-70.5949
Boston Harbor Maintenance Dred	MBDS	5091	3892	10/10/2017	42.4329	-70.5903
Boston Harbor Maintenance Dred	MBDS	5697	4356	10/10/2017	42.4344	-70.5856
Boston Harbor Maintenance Dred	MBDS	4769	3646	10/10/2017	42.4337	-70.5882
Boston Harbor Maintenance Dred	MBDS	5503	4208	10/11/2017	42.4320	-70.5954
Boston Harbor Maintenance Dred	MBDS	1847	1412	10/11/2017	42.4324	-70.5925
Boston Harbor Maintenance Dred	MBDS	5173	3955	10/11/2017	42.4348	-70.5839
Boston Harbor Maintenance Dred	MBDS	5541	4236	10/12/2017	42.4330	-70.5912
Boston Harbor Maintenance Dred	MBDS	5684	4346	10/12/2017	42.4346	-70.5846
Boston Harbor Maintenance Dred	MBDS	5548	4242	10/12/2017	42.4338	-70.5891

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume (yd ³)	Load Volume (m ³)	Placement Date	Latitude	Longitude
Boston Harbor Maintenance Dred	MBDS	4529	3463	10/12/2017	42.4338	-70.5869
Boston Harbor Maintenance Dred	MBDS	4844	3703	10/12/2017	42.4331	-70.5893
Boston Harbor Maintenance Dred	MBDS	4727	3614	10/12/2017	42.4345	-70.5871
Boston Harbor Maintenance Dred	MBDS	5334	4078	10/13/2017	42.4322	-70.5942
Boston Harbor Maintenance Dred	MBDS	5530	4228	10/13/2017	42.4325	-70.5948
Boston Harbor Maintenance Dred	MBDS	4591	3510	10/13/2017	42.4316	-70.5969
Boston Harbor Maintenance Dred	MBDS	5066	3874	10/13/2017	42.4329	-70.5929
Citgo Petroleum	MBDS-2012	3600	2752	1/17/2015	42.4197	-70.5793
Cottage Park Yacht Club	MBDS-2012	527	403	11/24/2015	42.4197	-70.5784
Cottage Park Yacht Club	MBDS-2012	527	403	11/25/2015	42.4191	-70.5781
Cottage Park Yacht Club	MBDS-2012	527	403	11/28/2015	42.4201	-70.5788
Cottage Park Yacht Club	MBDS-2012	527	403	11/29/2015	42.4185	-70.5790
Cottage Park Yacht Club	MBDS-2012	527	403	12/1/2015	42.4195	-70.5790
Cottage Park Yacht Club	MBDS-2012	527	403	12/3/2015	42.4203	-70.5778
Cottage Park Yacht Club	MBDS-2012	527	403	12/5/2015	42.4196	-70.5785
Cottage Park Yacht Club	MBDS-2012	527	403	12/8/2015	42.4198	-70.5786
Cottage Park Yacht Club	MBDS-2012	527	403	12/11/2015	42.4193	-70.5790
Cottage Park Yacht Club	MBDS-2012	527	403	12/13/2015	42.4204	-70.5774
Cottage Park Yacht Club	MBDS-2012	527	403	12/18/2015	42.4195	-70.5783
Cottage Park Yacht Club	MBDS-2012	527	403	12/20/2015	42.4197	-70.5797
Cottage Park Yacht Club	MBDS-2012	527	403	12/22/2015	42.4196	-70.5773
Cottage Park Yacht Club	MBDS-2012	527	403	12/31/2015	42.4195	-70.5771
Cottage Park Yacht Club	MBDS-2012	527	403	1/3/2016	42.4189	-70.5774
Cottage Park Yacht Club	MBDS-2012	527	403	1/6/2016	42.4208	-70.5779
Cottage Park Yacht Club	MBDS-2012	527	403	1/12/2016	42.4205	-70.5773
Cottage Park Yacht Club	MBDS-2012	541	414	1/22/2016	42.4194	-70.5771
Eversource Energy	MBDS 14/15	389	297	1/15/2017	42.4201	-70.5782
Eversource Energy	MBDS 14/15	238	182	1/20/2017	42.4193	-70.5783
Plymouth Harbor	MBDS	1850	1414	1/3/2019	42.4200	-70.5784
Plymouth Harbor	MBDS	1927	1473	1/5/2019	42.4196	-70.5775
Plymouth Harbor	MBDS	1229	940	1/5/2019	42.4202	-70.5775
Plymouth Harbor	MBDS	1789	1367	1/7/2019	42.4197	-70.5775
Plymouth Harbor	MBDS	1875	1434	1/9/2019	42.4202	-70.5785
Plymouth Harbor	MBDS	1767	1351	1/10/2019	42.4166	-70.5777
Plymouth Harbor	MBDS	1843	1409	1/13/2019	42.4195	-70.5775
Plymouth Harbor	MBDS	1783	1364	1/14/2019	42.4195	-70.5777
Plymouth Harbor	MBDS	1681	1285	1/15/2019	42.4195	-70.5779
Plymouth Harbor	MBDS	1750	1338	1/16/2019	42.4195	-70.5780
Plymouth Harbor	MBDS	1739	1329	1/17/2019	42.4197	-70.5773
Plymouth Harbor	MBDS	1767	1351	1/18/2019	42.4201	-70.5781
Plymouth Harbor	MBDS	1797	1374	1/18/2019	42.4198	-70.5778
Plymouth Harbor	MBDS	1461	1117	1/19/2019	42.4197	-70.5778
Plymouth Harbor	MBDS	1475	1128	1/22/2019	42.4199	-70.5778
Plymouth Harbor	MBDS	1688	1291	1/23/2019	42.4202	-70.5778
Plymouth Harbor	MBDS	1673	1279	1/25/2019	42.4200	-70.5776
Plymouth Harbor	MBDS	1784	1364	1/26/2019	42.4201	-70.5773
Plymouth Harbor	MBDS	1763	1348	1/27/2019	42.4202	-70.5778
Plymouth Harbor	MBDS	1863	1424	1/28/2019	42.4199	-70.5770
Plymouth Harbor	MBDS	1788	1367	1/29/2019	42.4197	-70.5781
Plymouth Harbor	MBDS	1711	1309	1/31/2019	42.4207	-70.5771
Quincy Shipyard	MBDS 14/15	2192	1676	10/21/2016	42.4200	-70.5787
Quincy Shipyard	MBDS 14/15	1906	1457	10/22/2016	42.4198	-70.5787
Quincy Shipyard	MBDS 14/15	2278	1742	10/24/2016	42.4195	-70.5783
Quincy Shipyard	MBDS 14/15	2595	1984	10/25/2016	42.4195	-70.5785
Quincy Shipyard	MBDS 14/15	2055	1571	10/26/2016	42.4197	-70.5783
Quincy Shipyard	MBDS 14/15	2433	1860	10/27/2016	42.4198	-70.5782
Quincy Shipyard	MBDS 14/15	2352	1798	10/30/2016	42.4193	-70.5781
Quincy Shipyard	MBDS 14/15	2932	2242	10/30/2016	42.4198	-70.5788
Quincy Shipyard	MBDS 14/15	2454	1876	11/1/2016	42.4198	-70.5781
Quincy Shipyard	MBDS 14/15	2923	2235	11/2/2016	42.4200	-70.5783

Appendix B
Disposal Barge Logs

Project Name	Target Site	Load Volume	Load Volume	Placement Date	Latitude	Longitude
		(yd ³)	(m ³)			
Quincy Shipyard	MBDS 14/15	2232	1706	11/4/2016	42.4198	-70.5780
Quincy Shipyard	MBDS 14/15	1245	952	11/5/2016	42.4198	-70.5784
Quincy Shipyard	MBDS 14/15	1512	1156	12/14/2016	42.4201	-70.5786
Quincy Shipyard	MBDS 14/15	2545	1946	2/11/2017	42.4195	-70.5770
Quincy Shipyard	MBDS 14/15	1534	1173	2/18/2017	42.4193	-70.5776
Salem Wharf	MBDS-2012	645	493	1/27/2016	42.4199	-70.5774
Salem Wharf	MBDS-2012	645	493	1/28/2016	42.4196	-70.5779
Salem Wharf	MBDS-2012	645	493	1/29/2016	42.4194	-70.5779
Salem Wharf	MBDS-2012	645	493	1/29/2016	42.4200	-70.5775
Salem Wharf	MBDS-2012	645	493	1/31/2016	42.4202	-70.5771
Salem Wharf	MBDS-2012	645	493	1/31/2016	42.4200	-70.5778
Salem Wharf	MBDS-2012	645	493	2/1/2016	42.4202	-70.5781
Salem Wharf	MBDS-2012	645	493	2/2/2016	42.4200	-70.5786
Salem Wharf	MBDS-2012	645	493	2/3/2016	42.4201	-70.5778
Salem Wharf	MBDS-2012	645	493	2/4/2016	42.4192	-70.5775
Salem Wharf	MBDS-2012	645	493	2/6/2016	42.4207	-70.5767
Salem Wharf	MBDS-2012	645	493	2/7/2016	42.4200	-70.5775
Salem Wharf	MBDS-2012	645	493	2/10/2016	42.4203	-70.5780
Salem Wharf	MBDS-2012	645	493	2/11/2016	42.4201	-70.5783
Salem Wharf	MBDS-2012	645	493	2/12/2016	42.4195	-70.5778
Salem Wharf	MBDS-2012	645	493	2/13/2016	42.4197	-70.5779
Salem Wharf	MBDS-2012	645	493	2/15/2016	42.4195	-70.5774
Salem Wharf	MBDS-2012	645	493	2/18/2016	42.4196	-70.5783
Salem Wharf	MBDS-2012	645	493	2/21/2016	42.4194	-70.5781
Salem Wharf	MBDS-2012	645	493	2/21/2016	42.4197	-70.5777
Salem Wharf	MBDS-2012	665	508	3/3/2016	42.4191	-70.5763