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NPDES Phase I Permit Annual Report

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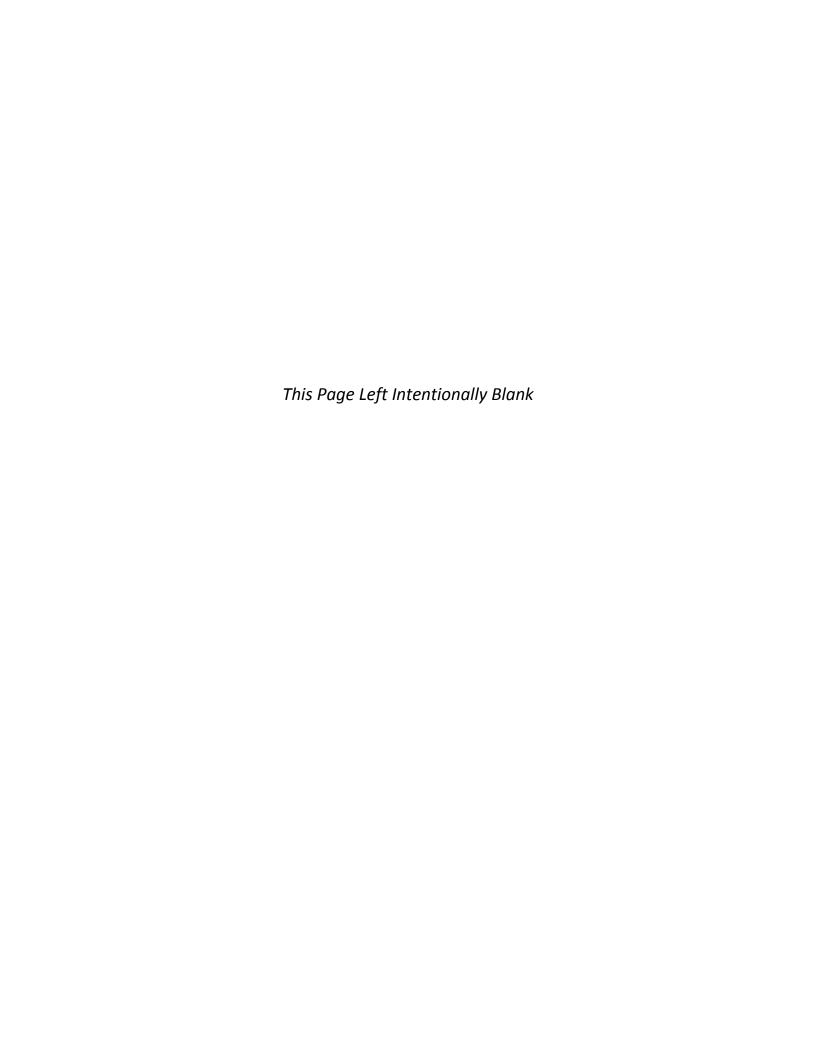


TABLE OF CONTENTS

1.0	INTR	INTRODUCTION				
	1.1	Permit History	1-1			
	1.2	Annual Report Requirements	1-1			
	1.3	Commission Jurisdiction and Legal Authority for				
		Drainage System and Stormwater Management	1-2			
	1.4	Storm Drains Owned and Stormwater Activities				
		Performed by Others	1-3			
	1.5	Characterization of Separated Sub-Catchment Areas	1-4			
	1.6	Mapping of Sub-Catchment Areas and Outfall Locations	1-4			
2.0		FIELD SCREENING, SUB-CATCHMENT AREA INVESTIGATIONS AND ILLICIT DISCHARGE REMEDIATION				
	2.1	Field Screening	2-1			
	2.2	Sub-Catchment Area Prioritization	2-4			
	2.3	Status of Sub-Catchment Investigations	2-7			
	2.4	Illicit Discharge Detection and Elimination Plan	2-7			
	2.5	Illicit Discharge Investigation Contracts	2-8			
	2.6	Correction/Repair of Illicit Discharges	2-8			
	2.7	Supplemental Environmental Project	2-9			
	2.8	2015 Illicit Discharge Remediation Summary	2-9			
3.0	STO	STORMWATER MANAGEMENT ACTIVITIES				
	3.1	Operation and Maintenance and Structural Controls	3-1			
	3.2	Sewer System Overflow Control and Response	3-2			
	3.3	Illegal Dumping and Emergency Spill Response	3-3			
	3.4	Drainage Discharge Permits	3-4			
	3.5	Development and Redevelopment	3-5			
	3.6	Controls for Construction Sites	3-9			
	3.7	Industrial Facilities Stormwater Pollution Prevention	3-9			
	3.8	Roadways	3-10			
	3.9	Pesticide, Herbicide and Fertilizer Application	3-12			
	3.10	Other Non-structural Stormwater Management Measures	3-12			
	3.11	Public Education	3-14			
	3.12	Support for Watershed Organizations	3-21			
4.0	STRU	STRUCTURAL BEST MANAGEMENT PRACTICES AND GREEN				
	INFR	ASTRUCTURE				
	4.1	Stormwater Model	4-1			
	4.2	Stormwater BMP Proposal and Phase I BMP Implementation Plan	4-1			

	4.3	Gree	n Infrastructure for Three Tributary Areas	4-2			
	4.4	Daisy	Field Green Infrastructure	4-2			
	4.5	Green	n Schools	4-2			
	4.6		on Complete Streets	4-3			
5.0	ASSE	ASSESSMENT OF STRUCTURAL CONTROLS					
	5.1	Asses	ssment of Stormwater BMPs and GI	5-1			
	5.2	Catcl	n Basins	5-1			
	5.3	Parti	cle Separators	5-2			
6.0	WAT	WATER QUALITY MONITORING					
	6.1	Outfa	all Monitoring				
	6.2	Urba	n Runoff Water Quality Project	•			
	6.3	Past '	Water Quality Monitoring Projects	•••			
7.0	WAT	WATER QUALITY IMPROVEMENTS					
	7.1	Storn	nwater Model	7-1			
	7.2	Pollu	tant Loadings and Reductions	7-1			
	7.3	Illicit	Discharge Elimination	7-2			
	7.4	Sewe	r, Drain, Catch Basin and Particle Separator Cleaning	7-2			
	7. 5	BMP	s on Private Property	7-3			
8.0	ENFO	RCEN	MENT				
9.0 FINANCING STORMWATER MA		NCIN	G STORMWATER MANAGEMENT				
	9.1	Curr	ent Expense Budget	9-1			
	9.2		tal Expenditures	9-2			
10.0	PROGRAM MODIFICATIONS						
APPI	ENDIX A	A - TA	BLES				
	Table	1-1	BWSC Stormwater Outfalls				
	Table		BWSC Interconnections				
	Table		BWSC Combined Sewer Overflow Outfalls				
	Table	_	Dry Weather Screening Data 2015				
	Table		Dry Weather Screening Samples Collected vs. Not Collected (Pa	ge 2-3)			
	Table		Wet Weather Screening Data 2015	,			
	Table		Wet Weather Screening Samples Collected vs. Not Collected (Pa	age 2-3)			
	Table	2-5	2016 Revised Priority Ranking and Schedule	,			
	Table	2-6	Bacteria Ranking (Page 2-4)				

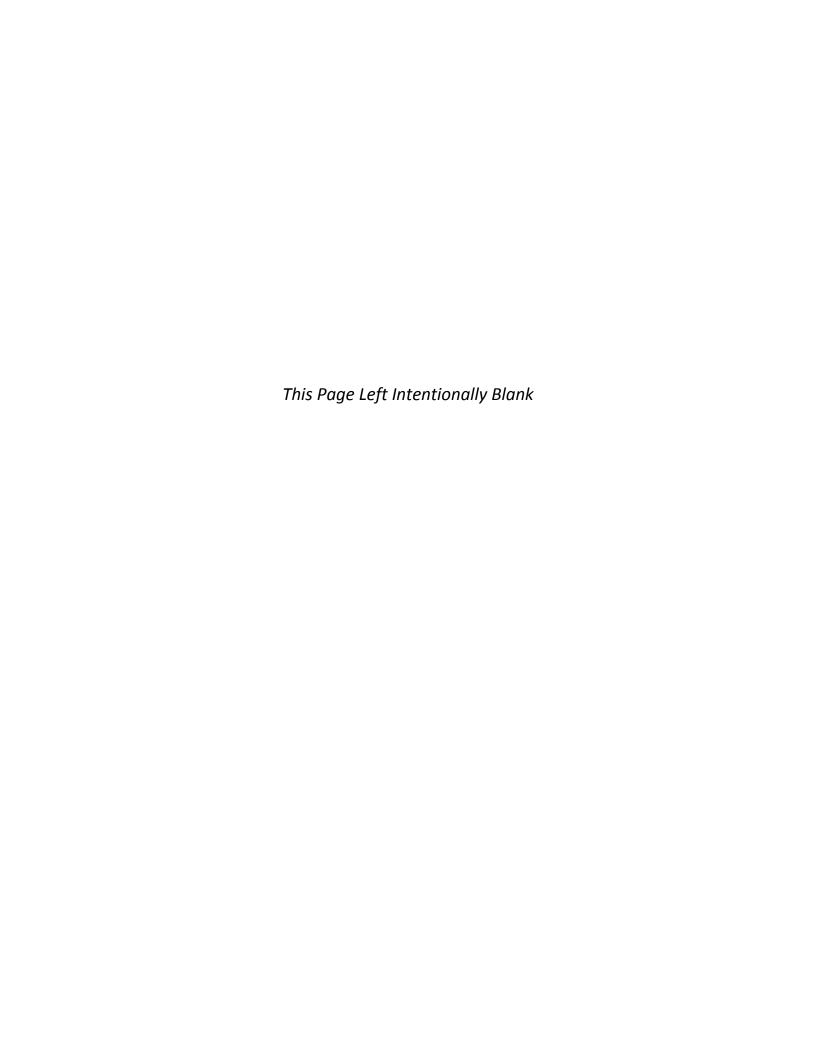
Table 2-7	Sub-Catchment Area Investigation Status by Manholes
Table 2-8	Sub-Catchment Area Investigation Status by Storm Drain Pipes
Table 2-9	Direct Illicit Connections 2015
Table 2-10	Indirect Illicit Discharges 2015
Table 3-1	Brook Inlet and Outlet Cleaning
Table 3-2	BWSC Particle Separators 2015
Table 3-3	Spill/Dumping Response 2015
Table 3-4	Private Infiltration Devices Installed 2015
Table 3-5	Privately Installed Particle Separators 2015
Table 5-1	Particle Separator Cleaning-Material Removed 2002-2015
Table 7-1	2012 Stormwater Model-Mean Annual Pollutant Loads for
	Boston's 27 Reporting Areas
Table 7-2	Annual Load Reductions Based on Illicit Discharges Removed
	in 2012/2013
Table 7-3	Annual Load Reduction Based on Illicit Discharges Removed in 2014
Table 7-4	Annual Load Reduction Based on Illicit Discharges Removed in 2015
Table 7-5	Mean Annual Loads as of December 2015

APPENDIX B - FIGURES

Figure 1-1 Locations of Outfalls and Sub-Catchment Areas

Figure 2-1 IDDE Priority Ranking Map-January 2016

Public Information Supporting Documents



1.0 INTRODUCTION

1.1 PERMIT HISTORY

Discharges to the Boston Water and Sewer Commission's (Commission) municipal separate storm sewer system (MS4) are regulated under the U.S. Environmental Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) Stormwater Permit Regulations. The Commission's NPDES Stormwater Permit (MAS010001) was issued by the EPA and the Massachusetts Department of Environmental Protection (DEP) on September 29, 1999, and became effective on October 29, 1999. The five year permit expired on October 29, 2004, but the EPA administratively continued the permit as allowed by the regulation, and its terms remain in effect until a new permit is issued. The Commission's 2003 Stormwater Management Report, which was submitted to the EPA on February 27, 2004, constituted the Commission's reapplication for an NPDES Stormwater Permit.

In August 2012, the Commission entered into a Consent Decree following two years of negotiations with the U.S. Environmental Protection Agency, U.S. Department of Justice and the Conservation Law Foundation (CLF) regarding discharges of pollutants from the Commission's MS4 and wastewater collection system. The Consent Decree, lodged in the U.S. District Court on August 23, 2012, outlines a series of short-term and long-term remedial measures that the Commission is implementing to further its compliance with its existing NPDES permit and the Clean Water Act. They include enhancements to the Commission's Illicit Discharge Detection and Elimination Program and its Capacity, Management Operation and Maintenance (CMOM) Program; expansion of the Commission's stormwater related public education and outreach activities; requirements for developing and implementing Green Infrastructure and Stormwater Best Management Projects within the City; updating the Commission's stormwater model; executing intergovernmental agreements with various state and local agencies; improvements to the tracking and reporting of sewer system overflows and development of an SSO Emergency Response Plan; and development of programs to inspect Construction Sites and Industrial Facilities to confirm that they are in compliance with the terms of their own NPDES Stormwater Permits.

1.2 ANNUAL REPORT REQUIREMENTS

In accordance with the NPDES Stormwater Permit (Permit), the Commission is required to report annually to EPA and DEP regarding the status of its pollution prevention and stormwater management programs. This report provides a summary of the stormwater management program activities undertaken by the Commission in 2015. Provided herein

are descriptions of the Commission's outfall monitoring and illicit discharge remediation programs, stormwater related enforcement actions, discussions regarding modifications to these programs, annual expenditures, water quality improvements and an assessment of structural controls.

Many of the programs, plans and activities described in this report are required under the Consent Decree. Separate Consent Decree compliance reports are submitted to EPA, the U.S. Department of Justice, DEP and the CLF on a semi-annual basis. Some of the deadlines for submittals of reports, plans and implementation of programs required under the Consent Decree occur before and after 2015. To the extent they occurred in 2015, they are reported herein as appropriate.

1.3 COMMISSION JURISDICTION AND LEGAL AUTHORITY FOR DRAINAGE SYSTEM AND STORMWATER MANAGEMENT

The Commission was created pursuant to an act of the Massachusetts Legislature under Chapter 436 of the Acts of 1977 as a political subdivision of the Commonwealth, separate and apart from the City of Boston. The enabling act charged the Commission with the responsibility for the operation and maintenance of the water distribution system and the wastewater collection and stormwater drainage systems which serve the City of Boston. Through its enabling legislation the Commission is empowered to promulgate rules and regulations in order to perform its statutory functions and duties. The Commission's Regulations Governing the Use of Sanitary and Combined Sewers and Storm Drains and Requirements for Site Plans are briefly described below. Copies of the documents are available by contacting the Commission and downloadable versions are available from the Commission's web site located at www.bwsc.org.

Pursuant to the Consent Decree, the Commission is exercising greater authority over stormwater discharges originating from construction sites and industrial facilities. These programs are discussed further in Section 3.

<u>Sewer Use Regulations</u>: The majority of the Commission's stormwater management controls are enforced through its Regulations Governing the Use of Sanitary and Combined Sewers and Storm Drains (the Sewer Use Regulations). The Sewer Use Regulations were adopted in 1983 and amended in 1989. They were amended again in 1998 to strengthen and clarify the requirements, particularly as they pertain to stormwater discharges. In 1998, the Commission also amended its Penalty Schedule by adding and increasing the fines for several Sewer Use Regulation violations.

General Service Applications and Requirements for Site Plans: The Commission requires that a General Service Application and a site plan be submitted for every new or reconstructed water, sewer, or storm drain service connection. The Requirements for Site Plans are to assist developers, builders, architects, engineers, and others in preparing site plans that conform to the Commission's Sewer Use Regulations and to help them secure the necessary approvals from the Commission.

The site plan must be approved by the Commission's Chief Engineer before construction may begin, and it will not be approved unless it complies with the Commission's Requirements for Site Plans and Sewer Use Regulations. The site plan review provides an opportunity to review the components of the project and condition the approval on compliance with the Commission's Sewer Use Regulations, Requirements for Site Plans, and other requirements. The Commission's Requirements for Site Plans are updated as needed, generally about once a year. In accordance with Section VII, Part K of the Consent Decree, the Commission revised its Requirements for Site Plans to require developers of Construction Sites (over 1 acre or plan to disturb more than 1 acre) to apply for a Notice of Intent with EPA for a Construction General Permit and also require the submission of a Stormwater Pollution Prevention Plan (SWPPP), which will be summarily reviewed by the Commission with the site plan application.

1.4 STORM DRAINS OWNED AND STORMWATER ACTIVITIES PERFORMED BY OTHERS

The Commission controls most of the municipal storm drains in Boston. However, some storm drains and outfalls are owned by other city agencies. For example, drains and outfalls located in the Marine Industrial Park in South Boston are owned and operated by the Economic Development and Industrial Corporation of Boston; the Boston Parks Department owns drains in Franklin Park and Boston Common, and in other city parks.

Other storm drains and outfalls in the city are owned by state agencies, such as the Massachusetts Department of Transportation and the Department of Conservation and Recreation; these drains and outfalls are not controlled by the Commission. In several locations Commission owned storm drains interconnect with those owned by the Town of Brookline, Town of Dedham, Town of Milton, the City of Newton and the City of Somerville. The Commission does not have jurisdiction or control over the discharges originating from these municipalities, nor does it have jurisdiction and/or control over roadways, roadway maintenance, city parks or city or state facilities which may impact the Commission's separate storm system. Further, the Commission does not manage or control some of the stormwater programs and activities required under its NPDES. For example, the Household Hazardous Waste Collection Program is managed by the Boston Public Works Department.

To help address jurisdictional issues, and in compliance with terms of the Consent Decree, the Commission has established Memorandums of Understanding (MOUs) with the following: Boston Public Works Department, Boston Parks and Recreation Department, Boston Inspectional Services Department, Boston Redevelopment Authority, Economic Development and Industrial Corporation, Boston Housing Authority, Brookline, Dedham, Milton and Newton, Massachusetts Department of Transportation and Massachusetts Department of Conservation and Recreation. The Commission coordinates with these entities as necessary to meet the requirements of the Commission's NPDES Stormwater Permit and the Consent Decree.

1.5 CHARACTERIZATION OF SEPARATED SUB-CATCHMENT AREAS

In 2015, four outfalls were added to the Commission's list of outfalls as follows: 08F001, 13F096, 13F097 and 29P005. These outfalls previously existed but were only recently identified as being owned by the Commission. Four outfall locations were previously shown on the list as just two outfall locations. They are now listed as four individual outfalls. They are: 08C025 and 08C026 and 13D077 and 13D078.

The Commission's storm drain outfalls are listed in Table 1-1. There are currently 206 storm drain outfalls in the Commission's drainage system. Of those, 101 are classified as major outfalls and 105 are classified as non-major outfalls. Table 1-2 lists locations where Commission owned storm drains interconnect with (discharge to) storm drains owned by others. There are currently 18 interconnection locations. Table 1-3 lists the Commission's 30 combined sewer overflow outfalls.

1.6 MAPPING OF SUB-CATCHMENT AREAS AND OUTFALL LOCATIONS

Figure 1-1 in Appendix B contains a map showing the locations of the Commission's storm drain outfalls, the interconnections and the combined sewer overflow (CSO) outfalls. The sub-catchment areas tributary to the storm drain outfalls, the interconnections and the separated portion of the Stony Brook Conduit are also shown.

2.0 FIELD SCREENING, SUB-CATCHMENT AREA INVESTIGATIONS AND ILLICIT DISCHARGE REMEDIATION

Under the terms of the Consent Decree the Commission is required to: annually perform wet and dry weather field screening of its storm drain outfalls, CSO outfalls and storm drain manholes that discharge (interconnect) with other MS4 drain systems; establish priorities and schedules for investigating sub-catchment areas that demonstrate contamination; implement a sub-catchment investigation program based on the priorities and schedules established; and, correct or repair illicit discharges within deadlines established in the Consent Decree. The Commission performed illicit discharge investigations and elimination prior to entry of the Consent Decree in 2012, and continues to do so under the requirements.

2.1 FIELD SCREENING

Protocols have been developed for both dry and wet weather screening of subcatchments. The screening protocols were established for conducting visual inspections; screening and sampling of outfalls/interconnections; monitoring weather conditions and tides in order to select appropriate days to conduct screening and sampling visits; and mobilizing field staff. The protocols also define required sampling procedures, including: specific parameters to be sampled in the field vs. in the lab, equipment calibration and operation, communications, record keeping, and health and safety concerns. The documents also include analytical requirements for collecting water quality samples, sample blanks, and duplicates; sample preservation and holding time requirements; and laboratory analytical quality assurance/quality control (QA/QC) procedures. In general, the following protocols were followed in 2015:

- Visual inspections were conducted to confirm outfall/interconnection locations, collect inspection data, and plan sampling.
- Screening and sampling was performed during dry and wet weather for collection of samples for field and lab analysis.
- Ammonia, surfactants, pH, temperature, specific conductivity, total chlorine and salinity were measured using field test kits.
- Samples were delivered by courier to G&L Laboratories for bacterial analysis.
- Bacterial analysis consisted of *E. coli* for freshwater samples and *Enterococci* for marine water samples.
- All samples were taken as grab samples. No confined space entry was required.

All the screening data in 2015 were collected by Commission's consultant, Stacey DePasquale Engineering, under sub-contract to CH2M.

The purpose of the dry weather sub-catchment screening and inventory effort was to:

- Confirm the location of the outfalls/interconnections.
- Characterize the current condition (size, material, flow, etc.) of each outfall or interconnection.
- Identify outfalls/interconnections with dry weather flow and determine if the flow was potentially contaminated.

The purpose of the wet weather screening was to collect a wet weather sample at all locations where flow was not observed during dry weather screening, as well as locations where dry weather flow was below the Illicit Discharge Detection and Elimination (IDDE) limits established by the Consent Decree. The 2015 wet weather screening followed the modified program set forth in the Commission's Proposed Wet Weather Outfall Monitoring Program, which was approved by EPA in a letter dated April 22, 2014. Under the modified program the same wet weather protocols, parameters and thresholds identified in the Consent Decree were used. However, in order to start wet weather screening earlier in the year the selection of sub-catchments included in the 2015 wet weather program were based on the 2014 dry weather screening data.

Field screening during 2015 included inspection and sampling of 256 Commission-owned sub-catchments, which include 206 storm drain outfalls (SDOs), 18 storm drain manholes where storm drainage is conveyed to other municipalities' MS4s or non-BWSC outfalls (referred to as "interconnections"), and 32 Combined Sewer Overflow (CSO) locations.

All the results of the 2015 dry weather screening program are provided in Appendix A, Table 2-1, and a summary of dry weather screening and sampling performed during 2015 is shown in Table 2-2 below. Dry weather field screening took place at 32 CSO locations in 2015. Dry weather samples were collected at 25 of the 32 CSO locations. The remaining 7 locations were not sampled, either because there was no flow to sample or there was standing water at the outfall.

Dry weather screening took place at 226 SDO and interconnection locations in 2015. Two (2) outfalls were screened twice during dry weather in 2015. Dry weather samples were collected at 115 of the locations visited. The remaining 111 locations were not sampled, because there was no flow to sample (77 locations), the outfall was submerged and/or there was standing water at the outfall (32 locations), or there was no suitable sample location to sample (e.g. there were only catch basins upstream of the outfall) (2 locations).

All the results of the 2015 wet weather screening program are provided in Appendix A, Table 2-3, and a summary of the wet weather screening and sampling performed is shown in Table 2-4 below.

¹ There are 30 CSO outfalls in the BWSC system. The Stony Brook Conduit CSO 21H046 was screened in three locations. All three locations are ranked in the 2016 prioritization.

Wet weather field screening took place at 6 CSO locations in 2015. Wet weather samples were collected at 4 of the CSO locations. One outfall was not sampled during wet weather because there was no flow and one outfall was not sampled due to standing water.

TABLE 2-22015 Dry Weather Screening Samples Collected versus Not Collected

Results of Dry Weather Sampling CSOs	2015
Screenings Samples Collected	25
Samples Not Collected	7
No flow, dry	3
No flow, standing water/submerged	4
Could not access outfall/no suitable sampling location	0

Results of Dry Weather Sampling SDO/Interconnections	2015
Samples Collected	115
Samples Not Collected	111
No flow, dry	77
No flow, standing water/submerged	32
Could not access outfall/no suitable sampling location	2

TABLE 2-42015 Wet Weather Screening Samples Collected versus Not Collected

Results of Wet Weather Sampling CSOs	2015
Samples Collected	4
Samples Not Collected	2
No flow, dry	1
No flow, standing water/submerged	1
Could not access outfall/no suitable sampling location	0

Results of Wet Weather Sampling SDO/Interconnections	2015
Samples Collected	93
Samples Not Collected	31
No flow, dry/insufficient flow	12
No flow, standing water/submerged	19
Could not access outfall/no suitable sampling location	0

Wet weather screening took place at 124 SDO and interconnection locations in 2015. Wet weather samples were collected at 93 of the locations visited. Samples could not be collected at 31 locations because either there was no flow or insufficient flow to sample (12 locations), or there was standing water at the outfall which didn't appear to be flowing at the time of the screening (19 locations).

2.2 SUB-CATCHMENT AREA PRIORITIZATION

On November 21, 2012, the Commission submitted to EPA, DEP and CLF the first required Sub-catchment Prioritization and Schedule for Completion of Investigations report ("Priority Report"). Revised Priority Reports were submitted in January 2013, 2014, 2015 and 2016.

The Priority Reports described the protocols used for collecting the screening data; the methodology for prioritizing sub-catchment areas for investigation; the priority ranking of the sub-catchments which resulted; and, a schedule for completing sub-catchment area investigations within the seven year time line established by the Consent Decree.

IDDE screening thresholds as defined in the Commission's Consent Decree are as follows.

Bacteria:

Class A and Class B waters

E. coli: greater than 235 cfu/ 100 mL Enterococcus: greater than 61 cfu/ 100 mL

Class SA and Class SB waters

Enterococcus: greater than 104 cfu/ 100 mL

Ammonia: = >0.5 mg/L

Surfactants: = > 0.25 mg/L via field kits; = > 0.1 mg/L via laboratory analysis

Chlorine: greater than non-detect (0.02 mg/L method detection limit)

The results of the priority ranking for 2016 are shown in Appendix A, Table 2-5. For comparison purposes the rankings from the 2013, 2014 and 2015 priority rankings are also shown. Investigations in the six (6) Constitution Beach Priority 1 areas were completed in 2013, and investigations in the Dorchester Bay Priority 1 areas were completed in 2014, as required under the Consent Decree. Investigations of an additional 65 sub-catchments were completed by August 23, 2015. Twenty-eight (28) areas were deemed completed prior to 2013. Priority 5 was given to those sub-catchments where investigations were completed. The remaining sub-catchments were re-ranked based primarily on bacteria results, according to the ranges presented in Table 2-6, although other parameters and factors were taken into consideration.

TABLE 2-6Bacteria Ranking

Bacteria	Priority 2	Priority 3	Priority 4
E. coli (CFU/100mL)	>10,000	1,000 - 10,000	<1,000
Enterococci (CFU/100mL)	>5,000	500 - 5,000	<500

Where bacteria concentrations for individual sub-catchments were the same, a secondary ranking using the ammonia results was completed. For locations that had a field duplicate sample collected or were sampled more than once, the higher bacteria result was used for prioritization purposes.

During the summer of 2014, the Commission and EPA engaged in discussions regarding the Prioritization Ranking. Based on those discussions the following actions were undertaken:

- In developing the priority ranking the Commission gives greater consideration to surfactants, chlorine, and historical data in prioritizing sub-catchments for investigation.
- The results of the chlorine residual, ammonia, surfactants and salinity testing are included in the priority ranking table.
- Estimates of flow from sub-catchments continue to be based on visual observation; however the rates are quantified as follows:

<1	Trickle
1-3 gpm	Low
3-10 gpm	Moderate
>10	Heavy

- It was noted that some sub-catchments could not be sampled during dry weather due to standing water and other factors. The Commission reviewed the screening data and GIS maps to determine where alternative screening locations could be used. It is emphasized that alternative locations could not be identified for some sub-catchments. For example, some sub-catchments have only catch basins upstream with no manholes where a sample can be collected if the outfall is submerged or has standing water. Others have standing water throughout. If an sub-catchment outfall cannot be sampled during dry weather it is included in the wet weather screening.
- EPA identified several sub-catchments they believed should receive higher priority. These were 10L094, 20D055, 20D062, 23L164, 25L058, CSO 29J017. These sub-catchments are highlighted in beige in Table 2-5. Sub-catchments 10L094 and 20D055 were included in the 2015 tier for completion; investigations in the two sub-catchments were completed in 2015. Sub-catchments 20D062, 23L164, 25L058 and CSO 29J017 are scheduled for completion in 2018 and appear at the top of the 2018 tier.
- Municipal and other MS4 interconnections are highlighted in blue the priority ranking table.
- EPA had several comments regarding the map the Commission provided with the January 2014 Priority Ranking. The current map reflects the EPA's comments.

Based on the thresholds in Table 2-6 and other factors including EPA's comments, 37 sub-catchments were placed in the Priority 2 category, 45 in the Priority 3 category, and 69 in the Priority 4 category. A total of 105 sub-catchments are now Priority 5 or conditionally complete. A map illustrating the 2016 rankings of the sub-catchments is provided in Appendix B.

A total of 250 sub-catchments were listed in the previous (2015) priority ranking, 28 of which were deemed completed prior to 2013. This left a remainder of 222 sub-catchments to be investigated within 7 years. Of that total 77, or approximately 35% were designated for completion by August 23, 2015. These included the 12 sub-catchments discharging to, or near Constitution Beach and Dorchester Bay, which had already been completed. As of August 23, 2015, the Commission completed investigations in all 77 sub-catchments designated for completion by 2015.

Four additional sub-catchments were identified by the Commission in 2015. Thus the total number of sub-catchments identified for investigation in the 2016 Priority Ranking has increased to 226, of which 77 have been completed. In order to complete investigations in 70% of the sub-catchments by August 23, 2018 (as required by the Consent Decree), 81 areas have been designated for completion by August 23, 2018, with the remainder of 68 sub-catchments designated for completion by 2019.

Stony Brook Conduit System

The Stony Brook system is a complex system of separated storm drains, sanitary sewers and combined sewers. There are essentially three parts to the system. The upper portion of the Stony Brook system is completely separated. The upper portion was the subject area of the Commission's Stony Brook Illegal Connections Investigation (SBI) Program, which concluded in 2004. The area underwent extensive investigations for illicit discharges using procedures similar to those currently being utilized by the Commission under its current IDDE Program. Over 260 illicit discharges were identified under the SBI Program, which were subsequently eliminated, removing an estimated 82,000 gallons of sewage per day from the drainage system. This area shows as green or "Complete" on the January 2016 priority ranking map.

The middle portion of the Stony Brook System is shown in purple on the January 2016 priority ranking map. Separation of the middle portion of the Stony Brook system was completed around 2005; however, sections to the "middle portion" contain six (6) permitted regulators that may activate during 1-year design storms; therefore, the system can act (in certain conditions) as a combined system. The lower portion of the Stony Brook System is shown in orange on the January 2016 priority ranking map. The lower portion of the Stony Brook still contains combined sewers, although overflows may occur only during certain design level storm events.

Due to its large size, the Stony Brook Conduit system was screened in three locations for the priority ranking: at a storm drain manhole located near the Forest Hills T-station where the upper separated portion of the system enters the main drain of the middle portion of the Stony Brook System; at Gurney Street where the flows from the middle portion of the system enter the lower portion with the combined sewers; and at Charlesgate East near Beacon Street, just upstream of where the conduit discharges to the Charles River. All three of these locations are shown in the priority ranking.

Since contamination in the upstream portions of the system can impact water quality in the downstream portions IDDE investigations must take place in the middle portions first. As previously stated, IDDE investigation of the upper separated portion of the Stony Brook System was completed in 2004. IDDE investigation of the middle portion was initiated in 2014. Investigations of the lower portion are deferred until the middle portion is complete. Due to its large size and complexity, completion of the investigation of the entire Stony Brook Conduit system is scheduled for 2019.

21KCSO070

The 21KCSO070 sub-catchment is composed of a complex system of combined sewers. The sub-catchment was the subject of the Commission's Fort Point Channel Water Quality Assessment Project, which concluded in 2014. The final report for the Fort Point Channel Water Quality Assessment Project included the recommendation that the Commission conduct a more in-depth investigation of the 21KCSO070 combined sewer system to establish the causes of the elevated bacteria levels in the system's discharges to the Channel, and to better understand how the system functions as a whole. In 2016, the Commission plans to solicit Requests for Proposals for a program to carry out the recommendations of the Fort Point Channel Water Quality Assessment Project report. Due to its large size and complexity, completion of the investigation of the 21KCSO070 combined sewer system is scheduled for 2019.

2.3 STATUS OF SUB-CATCHMENT INVESTIGATIONS

Tables 2-7 and 2-8 provide the "percent complete" for IDDE investigations within each sub-catchment area in the Commission's system as of January 31, 2016. As required, the Commission completed investigations in the areas discharging to, or near, Constitution Beach on August 23, 2013, and in the areas discharging to, or near, Malibu and Tenean Beach on August 23, 2014. Investigations in an additional 77 sub-catchments were completed as of August 23, 2015.

The percent complete by manholes for Table 2-7 was calculated based on the total number of stormwater and common manholes in the sub-catchment area that were systematically investigated², divided by the total number of stormwater and common manholes in the sub-catchment area. The percent complete by linear footage of pipe for Table 2-8 was calculated based on the total footage of storm drain pipe in the sub-catchment area that was systemically investigated, divided by the total footage of storm drain pipe in the sub-catchment.

2.4 ILLICIT DISCHARGE DETECTION AND ELIMINATION PLAN

Under the Consent Decree the Commission was required to submit to EPA, DEP and CLF a revised Illicit Discharge Detection and Elimination Plan (IDDE Plan). The IDDE Plan detailed and updated the Commission's top-down approach, including modifications

² As described in the Commission's IDDE Plan, not every storm drain manhole in a sub-catchment area is inspected. Some manholes are inferred to be void of contamination based on the results of inspections of manholes upstream and downstream, or on dye tests of adjacent buildings.

as appropriate to address investigations of CSO outfalls. It described the investigation methods and analytical techniques that the Commission employs to locate and verify illicit discharges and methods by which sources of illicit discharges would be removed. The IDDE Plan was submitted to EPA, DEP and CLF on December 18, 2012.

Most illicit discharge investigations are performed by Commission consultants, with smaller more targeted investigations performed by in-house staff. The contracts for investigations performed by consultants are described further below. The methodology for investigations performed by in house staff varies but usually consists of manhole inspections, dye testing of buildings, video inspections of pipes, and occasionally sandbagging of manholes. Commission staff also responded to hazardous materials spills and illegal dumping complaints, including initial response, investigation, coordinating with other agencies, enforcement and cleanup where applicable.

2.5 ILLICIT DISCHARGE INVESTIGATION CONTRACTS

Since 1999, the Commission has executed four contracts to have consultants perform illicit discharge investigations of the Commission's drainage system. The Stony Brook Illegal Connection Investigation (SBI) Program was carried out between 1999 and 2005, at a cost of \$1,478,709. The Citywide Illegal Connection Investigation (CWI) Program overlapped with the SBI, and was carried out between 2004 and 2009. Total cost for the CWI program was \$1,536,000. The Citywide Illegal Connection Investigation Program, Phase 2 (CWI2) was carried out between 2009 and 2012. Total cost for the CWI2 contract was \$1,660,000. The contract for the Citywide Illegal Connection Investigation Program, Phase 3 (CWI3) was executed in May 2012. The contract ceiling for CWI3 is currently \$3,175,128 and the contract duration is four years. As of December 31, 2015, \$2,758,540 had been spent for services under the CWI3 contract. These costs for the SBI and the three CWI contracts do not include the cost to correct the illicit discharges found, nor do they include other costs borne by the Commission for activities, such as police details, performing additional dye tests, cleaning pipes and manholes, program management, construction oversight and other support services.

2.6 CORRECTION/REPAIR OF ILLICIT DISCHARGES

Correction and repair of illicit discharges is discussed in the Commission's IDDE Plan, which was submitted to EPA, DEP and CLF on December 18, 2012. The Commission identifies two types of illicit discharges: direct illicit connections and sanitary sewer defects such as leaking sewer laterals. Direct illicit connections include sanitary sewer laterals that are directly connected to storm drains in the public way; these are usually corrected by a Commission contractor. Direct connections also include sanitary connections, such as from a single toilet or washing machine, to an internal building drain; these require the owner of the property to correct. The leaking sewer lateral illicit discharges are laterals that are properly connected to the sewer system; however, testing of the sewer laterals by the Commission verified that they leak sewage into the drain system. The methods used by the Commission to eliminate illicit discharges are described in more detail in the IDDE Plan.

In November 2012, the Commission amended its Sewer Lateral Assistance Program to provide financial assistance to property owners to line or relay leaking sewer laterals, including those sections on private property. Under the program, owners of verified leaking sewer laterals may be reimbursed up to \$4,000 to have a licensed bonded contractor line or relay their leaking sewer lateral. A leaking lateral must be lined or relayed from inside the building foundation to the public sewer in the public way. To obtain reimbursement the lateral must be verified as leaking by the Commission and the owner must obtain three or more quotes from contractors to repair or relay the leaking lateral. The Commission reviews the submission, the owner signs a waiver, and the Commission authorizes the owner to proceed with the work. After the owner reports repair of the sewer lateral the Commission or its contractor performs a dye test to confirm that the lateral is not still leaking into the drain system.

2.7 SUPPLEMENTAL ENVIRONMENTAL PROJECT

In accordance with the terms of the Consent Decree, the Commission implemented a Sewer Lateral Lining Program Supplemental Environmental Project (SEP). The project was undertaken in connection with the settlement of an enforcement action, <u>Conservation Law Foundation and the United States of America v. Boston Water and Sewer Commission, et al.</u>, taken on behalf of the U.S. Environmental Protection Agency under the Clean Water Act.

As required by Section VIII of the Consent Decree, the Commission agreed to line a minimum of twenty-five (25) laterals and spend a minimum of \$160,000.00 by December 31, 2014. The Commission completed all construction activities for the SEP contract on December 10, 2014. The Commission structurally lined twenty-six (26) leaking laterals at a total cost of \$237,149.00. Two laterals inspected under the SEP could not be lined due to their condition. The two laterals were fully relayed at an additional cost \$33,195.00. Lining and repair of the laterals removed an estimated 1,950 gallons per day of sewage from the Commission's drainage system. The Commission filed its SEP Completion Report pursuant to Section VIII, Paragraph 69 on December 23, 2014.

2.8 2015 ILLICIT DISCHARGE REMEDIATION SUMMARY

This section summarizes the Commission's 2015 Illicit Discharge Identification and Elimination Program. Table 2-9 lists the direct illicit connections that were outstanding (not corrected) as of January 1, 2015; it includes those that were verified and corrected in 2015; and it includes those that were verified but not corrected at the end of 2015.

Table 2-10 lists the indirect illicit connections (verified leaking laterals) that were outstanding (not corrected) as of January 1, 2015; it includes those that were verified and corrected in 2015; and it includes those that were verified but not corrected at the end of 2015.

Below is a summary of 2015 Illicit Discharge Remediation Program.

2015 Illicit Discharge Remediation Program Summary

Direct Illicit Connections Listed January 1, 2015	7
Direct Illicit Connections Verified in 2015	58
Direct Illicit Connections Corrected in 2015	51
Direct Illicit Connections Outstanding December 31, 2015	14
Leaking Laterals Listed January 1, 2015	23
Leaking Laterals Verified in 2015	37
Verified Leaking Laterals Repaired in 2015	37
Verified Leaking Lateral-Water Shut Off	1
Verified Leaking Laterals Outstanding as of December 31, 2015	22

In 2015, a total of 58 direct illicit connections were identified and 51 were corrected. Of the direct connections corrected in 2015, 33 were corrected by a Commission contractor and 18 were corrected by the property owner. In 2015, a total of 37 indirect illicit discharges were verified and 37 were repaired by the property owners.

In total for 2015, 95 new illicit discharges were verified and 88 illicit discharges were corrected or repaired. One (1) location had the water shut off due to a leaking sewer lateral. As of the end of 2015, 36 illicit discharges remained uncorrected or not repaired.

Calculations of cost to remove illicit discharges

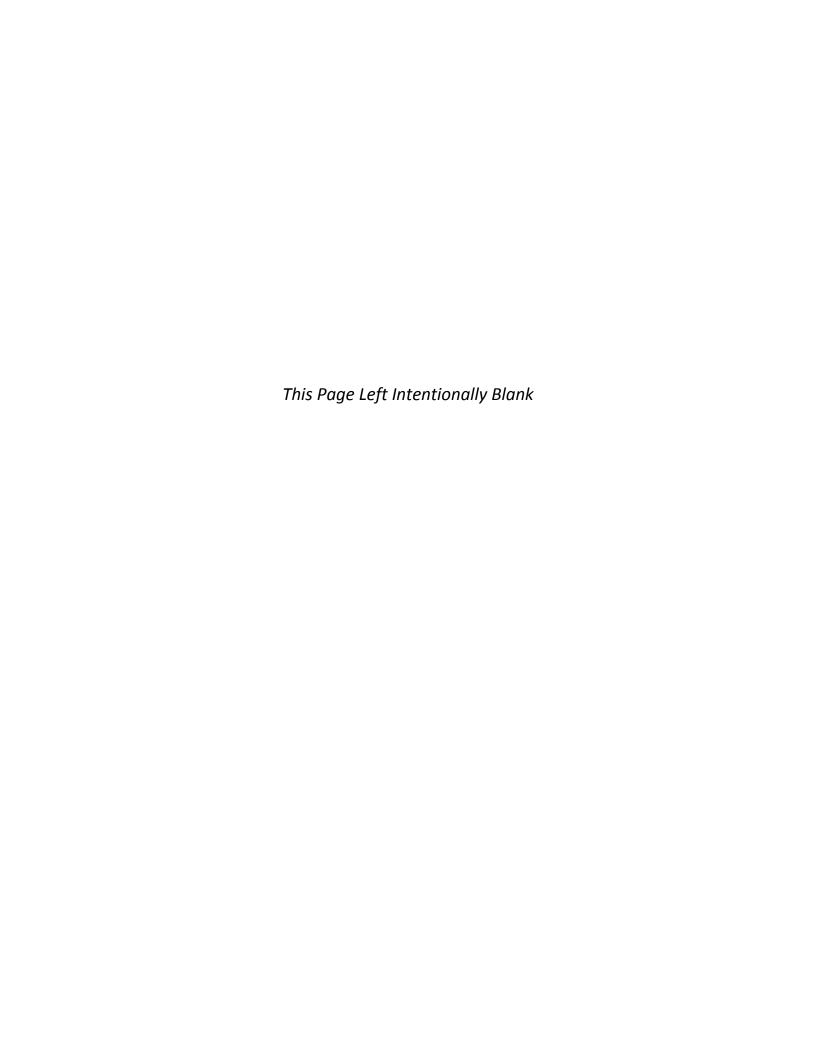
Tables 2-9 and 2-10 also provide the costs to the Commission to correct or repair illicit discharges in 2015. The cost to the Commission to correct 33 direct illicit connections was \$350,416. The cost to the Commission to verify 37 leaking sewer laterals was \$101,201. The cost to the Commission to reimburse owners to repair leaking laterals was \$139,450. These costs do not include: (1) the cost of permits, inspection fees, pavement restoration or police details; (2) costs incurred by the Commission to clean and televise sewer mains adjacent to suspected leaking laterals before they were tested; (3) costs covered by property owners who were responsible for making corrections to direct internal connections on their own property; and (4) costs to owners to repair leaking laterals over and above what was reimbursed by the Commission.

In total, \$591,067 was expended by the Commission to verify and correct or repair 88 illicit discharges in 2015.

Calculations of sewage removed

The Commission estimates the wastewater removed by elimination of an illicit discharge based upon water use records for the property where the illicit discharge was located. Average daily water consumption is calculated based on the previous 24 month period. For direct illicit connections it is assumed ten (10) percent of the water is consumed and only ninety (90) percent discharges to the drain system. If only a portion of the building contributed to the direct illicit discharge the figure is adjusted accordingly. It is not possible to know exactly how much sewage is leaking into a drain from a leaking sewer lateral. So the Commission makes a best estimate. For a leaking sewer lateral it is assumed that, because a proper sewer lateral exists at the location, only one-third (33%) of the sanitary flow is entering the drain system from the leaking lateral.

Due to the Commission's efforts in 2015, an estimated 33,237 gallons per day (gpd) of wastewater was removed from the storm drainage system and receiving waters by correcting direct illicit connections, and an estimated 4,365 gpd of wastewater was removed from the storm drainage system and receiving waters by repairing leaking laterals. In total, an estimated 37,602 gpd of wastewater was removed from the storm drainage system and receiving water by correcting or repairing illicit discharges in 2015.



3.0 STORMWATER MANAGEMENT ACTIVITIES

The Stormwater Management Program consists of a variety of programs, activities, and best management practices aimed at preventing the discharge of pollutants to storm drains and receiving waters. These measures include maintenance, structural, managerial, regulatory, and educational programs. Key elements of the Commission's Stormwater Management Program and Stormwater Management Plan implementation are described in this section.

3.1 OPERATION AND MAINTENANCE OF STRUCTURAL CONTROLS

Combined sewer overflows, sanitary sewer overflows, sewage infiltration into storm drains and system backups can be prevented by maintaining the capacity and structural integrity of the sewerage and drainage systems. The Commission accomplishes this by cleaning, repairing or replacing sanitary and combined sewers and storm drains, separating combined sewers, preventing and correcting sewer system overflows, and by preventing and removing infiltration and inflow to the sewer system. To determine where structural deficiencies exist and where repairs are needed the Commission performs television inspections of sewers and drains.

a. Storm Drain and Sewer Maintenance by BWSC Staff

The Commission's Operations Division is responsible for smaller sewer and drain related repair, maintenance and cleaning jobs, as well as some television inspections of sewers and drains. In 2015, the Commission owned five (5) "vactor" cleaning trucks to clean accumulated materials from sewers and drains, four (4) jet trucks, two (2) multi-rodder trucks, and two (2) hydraulic bucket machines to clear blockages. In 2015, the Commission jetted, vactored or rodded 426,395 linear feet of pipe. To determine where structural deficiencies exist and where repairs are needed, Commission crews and contract forces performed television inspections of 437,969 linear feet of sewer and drain pipe in 2015. This is almost 200,000 linear feet more than what was televised in 2014.

In conjunction with the storm drain and catch basin cleaning programs, the Commission routinely clears debris from twelve (12) brook inlets and outlets throughout the City. Since the primary purpose of this practice is to prevent upstream flooding, the cleaning is typically performed immediately prior to major storm events and usually they are checked after storm events to determine if follow up cleaning is needed. The locations and frequency of cleaning is provided in Table 3–1.

b. Catch Basin Maintenance

The Commission has over 30,000 catch basins in its sewer and drainage systems. Other catch basins in the city are owned by other public agencies such as the state Department of Conservation and Recreation, Mass Department of Transportation, or are located on private property. The Commission currently owns five (5) clamshell trucks.

Commission catch basin cleaning forces have been augmented by contract resources and equipment since 2001. In 2015, the Commission and contract resources performed 21,414 inspections/cleanings. Catch basin cleanings are transported to the Commission's Material Handling Facility where they are temporarily stored to de-water until transferred for proper off-site disposal/reuse at an approved disposal facility. In 2015, the Commission removed approximately 4,679 tons of debris from catch basins.

c. Commission Particle Separators

The Commission currently owns sixteen (16) particle separators. Information regarding the various particle separators, including their locations, receiving waters, and inspection and cleaning dates in 2015 is summarized in Table 3-2. All sixteen (16) particle separators were inspected in 2015. Of those, two (2) needed cleaning.

d. Large Storm Drain and Sewer Programs under BWSC's CIP

Large cleaning and maintenance jobs are performed by outside contractors under the Commission's Capital Improvement Program. The Commission's three-year Capital Improvement Program (CIP) is updated annually. The 2015-2017 CIP included \$76.5 million for sewer and drain related projects, of which \$36.3 million was earmarked for 2015. A copy of the 2015-2017 Capital Improvement Program is available from the Commission's website and upon request from the Commission.

3.2 SEWER SYSTEM OVERFLOW CONTROL AND RESPONSE

In compliance with the Consent Decree the Commission has improved its response and oversight over sewer system overflows (SSOs). On September 23, 2012, the Commission instituted a program (including IPad application and Oracle SSO database) to track and report all public and private SSOs to EPA and DEP within 24 hours pursuant to Part E of the Consent Decree. Prior to the programs commencement, the Commission performed internal training of Commission personnel in Engineering Services and Operations Division related to SSO response.

On November 21, 2012, the Commission submitted an SSO Emergency Response Plan (SSOERP). The objective of the SSOERP is to provide a standardized set of actions for the Commission to follow in the event of an unpermitted discharge (overflow) from the sanitary and combined sewer system. In addition, the implementation of the SSOERP accomplishes the following objectives:

- Minimize an SSO's impact on public health, public safety, and property damage.
- Comply with regulatory and enforcement reporting and public notification requirements.
- Minimize the reoccurrence of SSOs.
- Minimize the Commission's liability.

The following elements are included in the SSOERP:

- Description of the types of sewers and discharges addressed by the SSOERP.
- An outline of the Commission's collection system inventory and staff, equipment and hardware/software for responding to SSOs.
- Procedures for receiving notifications of a possible SSO, and protocols for internal notifications about confirmed SSOs with the Commission's collection system and initial notifications to DEP, EPA and other authorities such as the MWRA.
- Procedures for responding to SSOs.
- Procedures for documenting and reporting SSOs.
- Descriptions of the means of notifying the public affected by an SSO.
- Description of the activities to be taken after an SSO has been remedied.
- Objectives and methods for training and preparing staff in regards to the SSOERP.

Once it has been confirmed that an SSO is the responsibility of the Commission, within 24 hours the Commission notifies EPA and DEP. EPA and DEP are notified for any privately caused SSO exceeding 100 gallons or any amount not contained inside the building or discharging to the environment. Other parties may be notified depending on the extent and potential impact of the overflow.

Within five days of an SSO, BWSC completes a post-remediation investigation of the SSO and submits it to DEP. The report includes a characterization of the SSO and a discussion of the planned actions to prevent recurrence.

In 2015, the Commission responded to, investigated, and/or reported to EPA and DEP, a total of 327 SSO events including 113 reportable SSO events (61 public SSOs and 52 reportable private/building backups) and 214 non-reportable private/building backup events. Details regarding SSOs addressed by the Commission are provided in the Commission's semi-annual Consent Decree Compliance Reports. Information regarding SSOs and maps showing the locations of recent SSO events are also provided on the Commission's website.

3.3 ILLEGAL DUMPING AND EMERGENCY SPILL RESPONSE

The Commission's Sewer Use Regulations prohibit the dumping of any material into a catch basin, including any solid waste, construction debris, paint or painting product, antifreeze, hazardous waste, oil, gasoline, grease and all other automotive and petroleum products, solvents and degreasers, drain cleaners, commercial and household cleaners,

soap, detergent, ammonia, food and food waste, grass or yard waste, leaves, animal feces, dirt, sand, gravel or other pollutant. Illegal dumping to catch basins carries a fine of up to \$5,000 per day of violation under the Commission's Sewer Use Regulations.

Commission crews are available 24-hours a day to assist the Department of Environmental Protection, the Boston Fire Department and the U.S. Coast Guard in determining where a hazardous spill has entered or could potentially enter the Commission's wastewater or storm drainage systems. If the spill has entered either system, Commission personnel determine how far the contamination has traveled and whether there is the risk of an overflow to a waterway. The Commission also attempts to trace the spill upstream to locate and identify its source. When the source of the spill cannot be determined, the Commission pays for a licensed contractor to clean up the spill.

In 2015, the Commission responded to 39 reports of a potential spill, leak, or report of illicit dumping. Table 3–3 lists the incidences to which the Commission responded in 2015. No violation/enforcement notices or fines were issued for spills, leaks or dumping in 2015.

3.4 DRAINAGE DISCHARGE PERMITS

Article C, Section 5 of the Commission's Sewer Use Regulations describes the discharge prohibitions and restrictions applicable to the Commission's storm drainage system. Under the Sewer Use Regulations any discharge of wastewater or other waters not composed entirely of stormwater into a building storm drain or a Commission storm drain is prohibited, except as authorized by the regulations. Authorized discharges include discharges for which the owner has obtained both a Drainage Discharge Permit from the Commission and an NPDES Permit or NPDES Permit Exclusion from EPA, as well as such discharges as river or stream flow, rising groundwater, uncontaminated groundwater, waters from hydrant flushing, and other potable water sources associated with the maintenance of the water distribution system or firefighting, irrigation water, and street and pavement wash waters.

Discharges requiring a Drainage Discharge Permit include permanent subsurface drainage, non-contact cooling water, non-contact industrial process water, or waters associated with hydrological testing, groundwater treatment/remediation, and removal and installation of an underground storage tank. The Commission may deny or condition a Drainage Discharge Permit to prevent the discharge of contaminants to the storm drainage system. Failure to obtain a Drainage Discharge Permit from the Commission carries a fine of up to \$1,000 per day of violation under Sewer Use Regulations. In 2015, the Commission issued eight (8) Drainage Discharge Permits for discharges to storm drains.

The requirements for Drainage Discharge Permits are described in the Commission's Requirements for Site Plans, and developers and potential dischargers are informed of the requirements when they request a General Service Application for a building sewer or building storm drain connection. In addition, owners and developers are informed of the

Drainage Discharge Permit requirements through comment letters submitted by the Commission to Massachusetts Environmental Policy Act (MEPA) Unit and the Boston Redevelopment Authority in response to Environmental Impact Reports.

3.5 DEVELOPMENT AND REDEVELOPMENT

a. Sewer Use Regulations and Site Plan Review

The majority of the Commission's stormwater management controls are enforced through its Regulations Governing the Use of Sanitary and Combined Sewers and Storm Drains (the Sewer Use Regulations). The Sewer Use Regulations were adopted in 1983 and amended in 1989. They were amended again in 1998 to strengthen and clarify the requirements, particularly as they pertain to stormwater discharges. In 1998, the Commission also amended its Penalty Schedule by adding and increasing the fines for several Sewer Use Regulation violations.

The Commission requires that a General Service Application and a site plan be submitted for every new or reconstructed water, sewer, or storm drain service connection. The Commission's Requirements for Site Plans assist developers, builders, architects, engineers, and others in preparing site plans that conform to the Commission's Sewer Use Regulations and to help them secure the necessary approvals from the Commission.

The site plan must be approved by the Commission's Chief Engineer before construction may begin, and it will not be approved unless it complies with the Commission's Requirements for Site Plans and Sewer Use Regulations. The site plan review provides an opportunity to review the components of the project and condition the approval on compliance with the Commission's Sewer Use Regulations, Requirements for Site Plans, and other requirements. The Commission's Requirements for Site Plans are updated as needed, generally about once a year. In 2015, 552 site plans were approved by the Commission's Chief Engineer.

Requirements contained in the Sewer Use Regulations and Requirements for Site Plans relating to developments in Boston include the following:

Filing Notices of Intent and Stormwater Pollution Prevention Plans

The Commission's Requirements for Site Plans include provisions for stormwater management at Construction Sites (as defined in the Consent Decree). The Requirements for Site Plans specifically require construction site operators, where applicable, to file Notices of Intent with EPA for NPDES General Construction Permits, and they must submit to the Commission Stormwater Pollution Prevention Plans (SWPPP). Also, construction site operators, where applicable, are required to use and maintain appropriate structural and non-structural BMPs to minimize the discharge of pollutants from construction sites to the Commission's MS4. The Commission's Construction Site Inspection and Enforcement Program also requires regular updates regarding developers SWPPP activities.

<u>Drain Layers License</u>: Persons installing new building sewers and storm drains, or repairing or maintaining existing pipes must possess a Drain Layers License issued by the Commission. To obtain a Drain Layers License, persons must pass a written test given by the Commission. Test questions are typically drawn from the requirements provided in the Commission's Sewer Use Regulations, including those pertaining to illegal sanitary connections to storm drains, non-stormwater discharges, requirements for new construction and catch basin dumping. Drain Layers Licenses are renewed annually. The Drain Layers Licensing requirement provides the opportunity to educate drain layers in Boston as to the Commission's rules and regulations, including those pertaining to stormwater. Twenty-nine (29) new Drain Layers Licenses were issued in 2015, and 412 were renewed.

<u>Inspections of New Connections:</u> Connection of a building sewer to a storm drain is prohibited under the Commission's Sewer Use Regulations and carries a fine of up to \$5,000 per day of violation. To ensure proper connection, the Commission requires that all new, repaired or modified service connections be inspected by a Commission inspector before the services are covered over by the contractor. Failure to have the connection inspected before covering it over carries a fine of up to \$750 per day under the Commission's Sewer Use Regulations.

As an added measure, new sewer connections must be dye tested by the Commission once construction is completed. Failure to have a new sewer connection dye tested carries a fine of up to \$500 per day. The Commission may require that a repaired or modified service connection be dye tested. In 2015, the Commission performed 751 GSA related dye tests.

<u>On-site Retention of Stormwater:</u> Under the Commission's Site Plan Requirements and Sewer Use Regulations, developers of new projects are required to evaluate the feasibility of retaining stormwater on-site. On-site retainage of stormwater is required whenever site conditions permit as determined by the Commission. On-site retention of stormwater serves to limit peak discharge rates, recharge groundwater, and remove 80 percent of total suspended solids in the flow to the extent feasible. This requirement is consistent with the Department of Environmental Protection's Stormwater Management Policy which establishes standards for stormwater management for development, and the Commission's Stormwater BMP Guidance document.

In 2015, the Commission approved 432 site plans that included installation of dry wells or other type of infiltration device. Table 3–4 provides the addresses of the devices approved in 2015.

<u>Controls for New Parking Lots:</u> In order to prevent oil, grease and sediments from discharging to open waterways, the Commission may require developers to install particle separators on newly constructed storm drains that serve large outdoor parking areas. The Commission may require particle separators on existing storm drains from

existing outdoor parking areas, where appropriate. This requirement has been in place since 1992.

Parking lot particle separators are typically located on private property; therefore, their maintenance is the responsibility of the property owner. Design criteria for particle separators are set forth in the Commission's *Guidelines for Developers for the Installation, Operation and Maintenance of Grit and Oil Separators*, a copy of which is included in the Commission's Requirements for Site Plans.

In 2015, the Commission approved 38 site plans that included installation of particle separators. Table 3–5 provides the addresses of the devices approved in 2015.

<u>Drainage Discharge Permits:</u> The Commission requires a Drainage Discharge Permit for all non-stormwater discharges to its drainage system, including construction site dewatering, permanent subsurface drainage, non-contact cooling water, non-contact industrial process water, and waters associated with hydrological testing, groundwater treatment/remediation, and removal and installation of an underground storage tank. The Commission may deny or condition a dewatering permit to prevent contaminated drainage from entering the sewer or drainage system. Failure to obtain a Drainage Discharge Permit carries a fine of up to \$1,000 a day under the Commission's Sewer Use Regulations. In 2015, the Commission issued eight (8) Drainage Discharge Permits for discharges to storm drains.

<u>Infiltration/Inflow Control:</u> Newly constructed and substantially renovated buildings must be constructed so as to minimize inflow and infiltration to the Commission's wastewater system. Stormwater, including roof runoff, must be kept separate from sanitary sewage at all times, and the connection of a building storm drain to a sanitary sewer is prohibited.

The Commission has a National Pollutant Discharge Elimination System (NPDES) Permit for its combined sewer overflows and is subject to the regulations [314 CMR 12.00, section 12.04(2)(d)]. The regulations require developers installing new sewer connections with design flows exceeding 15,000 gpd to mitigate the impacts of the development by removing four gallons of infiltration and inflow (I/I) for each new gallon of wastewater flow added. In this regard the Commission requires developers to develop consistent inflow reduction plans, or they can pay a fee to the Commission in lieu of implementing an I/I reduction project. The Commission uses the fees paid to implement capital programs for I/I reduction.

<u>Erosion and Sedimentation Control:</u> Under the Sewer Use Regulations, anyone seeking to construct, repair or modify a sewer or storm drain service connection to the Commission's system, or to discharge under a Drainage Discharge Permit, may be required to prepare and implement an Erosion and Sedimentation Control Plan to prevent the introduction of sediments into the Commission's sewers and storm drains.

<u>Fuel Dispensing Areas:</u> Under the Commission's Requirements for Site Plans, stormwater runoff from fuel dispensing areas not covered by a canopy or other type of roof or enclosure must discharge through a particle separator or an approved oil trap before discharging to the Commission's storm drainage system or receiving waters.

<u>Catch Basin Castings</u>: Commission contractors are required to install metal castings with a "Don't Dump" message on sidewalks near new or reconstructed catch basins. Boston City contractors also install the castings when new sidewalks are installed. The castings are provided to city hired contractors by the Commission at no cost. The Commission requires that private developers install permanent "Don't Dump" catch basin castings next to any new catch basin installed as part of their projects. The developers, as well as other parties interested in obtaining the castings may purchase them from the Commission's vendor. In 2015, the Commission issued 1,656 catch basin castings to contractors and other parties. Of those issued, 981 were for Boston Harbor, 350 for the Charles River and 325 were for the Neponset River.

b. Development/Redevelopment Coordination with Boston Redevelopment Authority

The Commission's NPDES Stormwater Permit requires the Commission to "assist, coordinate, and cooperate" with city departments and agencies to ensure that development projects within Boston are conditioned on due consideration of stormwater quality impacts, that they conform to applicable state and local stormwater requirements, and that negative impacts to stormwater quality during the time construction is underway are prevented.

The Commission coordinates with the Boston Redevelopment Authority (BRA) in regards to reviews of Environmental Impact Reports (EIRs) and Master Plans for large projects in Boston. Comments were submitted to the BRA and/or the MEPA Unit for 58 projects in 2015. Copies of the letters were also sent to the Boston Environment Department and to the project proponents. The project proponents' were also informed of the comments by the BRA and MEPA Unit via the Scoping Determinations issued in response to the EIRs and Master Plans for the projects. The Commission refers to these comment letters when proponents come forth with their site plans for the projects.

Letters for 17 projects contained comments regarding the Commission requirements for particle separators. Letters for 41 projects contained comments about the Commission's requirement for retaining stormwater on site. Letters for 52 projects contained comments regarding the requirement for Stormwater Management Plans. Forty-nine (49) letters contained comments regarding the requirement for 4 to 1 I/I reduction. If appropriate, the letters informed the proponent that a Drainage Discharge Permit may be required for any temporary or permanent non-stormwater discharge to the drainage system.

3.6 CONTROLS FOR CONSTRUCTION SITES

In compliance with its NPDES Permit and the Consent Decree, the Commission oversees stormwater discharges from construction sites. The Commission submitted to EPA a Construction Site Inspection and Enforcement Program (CSIEP) plan in 2012. The program plan set forth procedures for conducting inspection of construction sites, procedures for inspecting and monitoring stormwater Best Management Practices used at construction sites, described the means by which contractors and developers would comply with the Commissions requirements, EPA and DEP regulations and the Clean Water Act, and how the Commission would enforce its requirements. Implementation of the CSIEP commenced in December 2012.

The Commission Requirements for Site Plans specifically require construction site operators to file Notices of Intent (NOIs) with EPA for NPDES General Construction Permits, and submit to the Commission Stormwater Pollution Prevention Plans (SWPPP). Also, construction site operators, where applicable, are required to use and maintain appropriate structural and non-structural BMPs to minimize the discharge of pollutants from construction sites to the Commission's MS4.

In accordance with a 2012 Memorandum of Agreement (MOU) between the Commission and the City's Inspectional Services Department (ISD), the Commission and ISD continue to coordinate building permit issuance and site plan approval, whereby the Commission will not approve any construction site over one (1) acre unless the discharge permit has been approved. Also, ISD and the Commission continue to notify building permit and site plan applicants of the requirements to obtain NPDES Stormwater Permits for construction sites from EPA. The Commission notifies project planners of the requirement for NOIs and SWPPP when they submit site plans for projects and refers to the EPAs website to confirm whether NOIs have been submitted. The Commission also confirms that an NOI has been submitted and a SWPPP prepared when performing construction site visits. Information pertaining to the NOI and SWPPP requirements is included in the Commission's Requirements for Site Plans and are provided on the Commission's website.

In 2015, the Commission performed 212 site inspections of 38 construction projects. Three (3) violation notices were issued. Training for Commission staff on construction site inspections was provided via an American Society of Civil Engineers webinar on April 6, 2015.

3.7 INDUSTRIAL FACILITY STORMWATER POLLUTION PREVENTION

In compliance with its NPDES Permit and the Consent Decree, the Commission continues to implement its Industrial Facility Stormwater Pollution Prevention (IFSPP) Program. Under the program the Commission identifies and inspects industrial facilities that discharge stormwater to the Commission's drainage system from municipal landfills, hazardous waste treatment, storage, disposal and recovery facilities, facilities that are subject to EPCRA Title III, Section 313, facilities that hold, or are required to hold

NPDES stormwater permits, and other industrial or commercial discharger that the Commission determines is contributing a substantial pollutant load to its drainage system.

In February 2013, the Commission submitted to EPA, DEP and CLF, an Industrial Facility Stormwater Pollution Prevention Program (IFSPPP) plan. Under the program the Commission developed an inventory of industrial facilities and a database to track relevant information, including enforcement and corrective actions. Initially there were 1,760 potential industrial facilities on the inventory list. During the course of the program the list of industrial facilities was refined. Businesses that have moved out of the city, closed, or had the incorrect Standard Industrial Classification codes were removed from the inventory and new facilities were added as they were discovered through research of records and site visits. The inventory will continue to be refined and updated as inspection reports are evaluated.

The active number of industrial facilities on the inventory list at the end of 2015 was 327. In 2015, the Commission inspected 254 facilities. Summaries of inspections performed and enforcement action taken are provided in the Commission's semi-annual Consent Decree compliance reports.

Annual training for personnel performing inspections of industrial facilities was held May 5, 2015.

3.8 ROADWAYS

As contained in its Enabling Act, the Commission's authority is limited to the operation and maintenance of the water distribution system and the wastewater collection and stormwater drainage systems which serve the City of Boston. The Commission's jurisdiction does not extend to the operation and maintenance of roadways. The Commission coordinates with officials from the agencies having the responsibility for the management of city roadways (Boston Public Works Department (PWD), Department of Conservation and Recreation (DCR), and Massachusetts Department of Transportation (MassDOT) as necessary to meet the requirements of the Commission's NPDES Stormwater Permit and the Consent Decree.

a. City of Boston Snow Removal and Road Deicing Practices

Snow plowing and road deicing of most of the public roads in Boston are the responsibility of the PWD. The PWD performs some of the snow removal operations on city streets and also has snow removal contracts. Snow is plowed to the side of the streets, but is not typically removed. A sodium chloride salt/sand mixture is used as a deicing agent, and application rates vary based on temperature and precipitation. Contractors use the City's supply of salt and sand during deicing operations. PWD officials have emphasized that public safety is their primary concern in determining how much sand and salt is applied to roadways and that weather conditions dictate application levels.

b. City of Boston Street Cleaning

Sweeping of city owned streets is conducted by the PWD or by its contractors. According to the PWD, the City has two programs for street sweeping: Posted Street Cleaning and Non-posted Street Cleaning. All non-posted streets are cleaned once a week or more if necessary. The Posted Sweeping Program is separated between a Night Program and a Daily Program. Sweepers also clean up before and after special events, such as parades, road races and neighborhood festivals.

The Night Sweeping Program includes an area from Massachusetts Avenue to the Waterfront that is swept on a nightly basis year round. The Night Sweeping Program also covers the City's major arterial routes throughout the City, which are swept once a week at night year round.

The Daily Street Sweeping Program typically operates from April 1st through November 30th. PWD recently expanded the Daily Street Sweeping Program in the Beacon Hill, North End and South End, from March 1st through December 31st. Weather and budget conditions permitting, the program may begin earlier in the season and extend later into the fall. Each side of a posted city street on the Daily Street Cleaning Program is cleaned once every other week. Additional street sweepers may be contracted and city sweepers run more frequently during the fall leaf season.

Parking bans (signs) posted on streets serve to educate the public and to have vehicles removed on certain days so sweeping can be thorough. The parking bans are enforced by the Boston Transportation Department. If cars are not removed on designated days, owners can be fined. The fine for not removing cars on the designated days is currently \$40, plus an additional \$90 for tow, storage and fees.

Contractors are responsible for providing their own sweeping equipment and for disposal of the collected material. PWD requires its contractors to use vacuum type sweepers that have dust control systems and do not require water to operate. Because these types of sweepers don't require water, they can be operated year round, even in freezing conditions. The vacuum sweepers are believed to be more efficient at collecting smaller grit particles and dust. The new sweepers have saved the city thousands of gallons in water usage, and are in compliance with DEP regulations.

The PWD also has several small broom sweepers used to sweep small alleys and sidewalks. These sweepers are typically assigned to the more densely developed parts of the City, such as Chinatown, Downtown Crossing, and the North End.

The composition of the material swept up varies seasonally with sand and sediments from winter deicing activities being most evident in the spring, leaf litter during the fall months, and light litter predominating during the summer.

c. DCR/DOT Street Sweeping, Snow Removal and Road Deicing Practices

Roads maintained by the DCR such as the Soldiers Field Road, VFW Parkway, Storrow Drive, the Riverway and the Fenway are served primarily by separate storm drains which are owned and maintained by the DCR. DCR drainage systems in Boston are subject to the EPA's Stormwater Phase 2 program. DCR's stormwater management program includes "good housekeeping" measures, such as street sweeping of parkways, cleaning street drains and associated drainage systems and using control measures to protect sensitive receiving waters. Snow removal and deicing of DCR owned roads are managed jointly by the DCR and MassDOT. Snow removal and deicing of the Massachusetts Turnpike and the Central Artery and Tunnels is the responsibility of MassDOT.

3.9 PESTICIDE, HERBICIDE AND FERTILIZER APPLICATION

In 2001, the Commission completed an evaluation of existing measures to reduce the discharge of pollutants related to the application of pesticides, herbicides and fertilizers (PHFs) applied by municipal or public agencies. The Commission also evaluated the necessity to implement controls to reduce the discharge of pollutants related to the application and distribution of PHFs by commercial and wholesale distributors and applicators. The Commission performed evaluations of existing programs and data in 2001, and reported the results in the 2001 Stormwater Management Report. From the results of the evaluation, it was concluded that additional monitoring and controls for PHF use by municipal agencies and their contractors and for commercial and wholesale distributors was not warranted. Discussion of this analysis can be found in Section 3.6 of the 2009 Stormwater Management Report.

The Commission's July/August issue of *Currents* provided information regarding the proper use and disposal of pesticides and fertilizers. A copy of the July/August *Currents* is provided in Appendix B.

3.10 OTHER NON-STRUCTURAL STORMWATER MANAGEMENT MEASURES

a. Used Motor Oil and Paint Collection Centers

To decrease the amount of illegally disposed of paint and motor oil, the City of Boston Public Works Department (PWD) hosted four (4) Saturday drop-offs for used motor oil and surplus paint from 9 AM to 1 PM in 2015, at the following locations:

- May 16, Roxbury Public Works Yard (495 gallons paint; 6 gallons oil)
- June 20, Hyde Park Public Works Yard (710 gallons paint; 66 gallons oil)
- July 18, Brighton Public Works Yard (944 gallons paint; 14 gallons oil)
- August 15, East Boston Public Works Yard (611 gallons paint; 58 gallons oil)

The events were promoted through the City of Boston's web site and a new "Trash App" which is available to download on any smartphone. The Commission's May/June issue

of *Currents* promoted the May and June events. A copy of the May/June *Currents* is provided in Appendix B and on the Commission's website.

b. Household Hazardous Waste Collection

The Boston Public Works Department hosted five household hazardous waste collection events in 2015. At the University of Massachusetts Campus the events were held on June 13, and October 3. At the West Roxbury Public Works Yard the events were held on June 27, and October 24, and at the Boston Public Works Yard at Frontage Road on August 22. The events were promoted through the City's web site, local newspapers, and on signs posted in neighborhood business centers. The Commission's May/June and September/October issues of *Currents* included information promoting the City's hazardous waste drop-off days. Copies of the *Currents* issues are provided in Appendix B and on the Commission's website.

c. Yard Waste/Composting

The Boston Public Works Department provides curbside collection of leaves and grass clippings in the residential sections of the city each year. Yard waste is collected by Public Works on the same day of week that weekly recycling is picked up. Collection starts April 1 to the first week in December. The Commission's September/October issue of the *Currents* newsletter promoted the fall, 2015 collection effort. A copy of the September/October *Currents* issue is provided in Appendix B and on the Commission's website.

d. Pet Waste

The City's dog fouling regulation, Section 16-1.10A of the Boston City Ordinances, also called the "pooper scooper law," requires dog owners to remove and properly dispose of the waste left by their dog. Penalties under the ordinance are \$50.00 for failure to produce a means of removal and \$50.00 for failure to pick up the waste. The Animal Control Unit in the Boston Property and Construction Management Department is responsible for enforcing the dog fouling ordinance. It is also responsible for following up on reports of vicious dogs, ensuring dogs are properly licensed and leashed, and other animal control issues.

To encourage dog owners to pick up after their pets and properly dispose of the waste, the Commission's May/June *Currents* issue included information regarding proper disposal of pet waste. A copy of the May/June issue is provided in Appendix B and on the Commission's website.

In coordination with its Facebook page, the Commission maintains a YouTube channel to host its public service announcements. In 2015, the video/public service announcement entitled "Scoop the Poop", continued to be posted on the Commission's YouTube channel.

e. Site Cleanliness Ordinance

To address litter and rodent control problems, the City of Boston instituted a Site Cleanliness Ordinance in 2000. Under this ordinance, all businesses and large residential establishments using bulk dumpsters, including food and beverage establishments, automotive establishments, and bulk refuse container storage lots, must obtain a Site Cleanliness License from the Boston Inspectional Services Department (ISD). The application for a license must include a site plan showing the location of the dumpster, a plan and schedule for maintenance, a copy of the solid waste disposal contract, and a copy of a rodent/pest control contract. An additional license is required from the PWD if the dumpster is located on a public way.

Inspectional Services officials perform annual inspections of establishments with any license issued by the Department, including a Site Cleanliness license. The Site Cleanliness license will not be renewed unless and until the establishment's dumpster complies with the city ordinance.

Failure to comply with the Site Cleanliness Ordinance and obtain a Site Cleanliness license may result in fines of up to \$1,000 a day. Repeated violations may result in closure of the business.

3.11 PUBLIC EDUCATION

On May 17, 2013, the Commission submitted a Public Education and Outreach Program (PEOP) Plan to EPA for review and approval. The document described the Commission's plans for updating its public education and outreach efforts pursuant to Paragraphs 59, 60, 61 of the Consent Decree. The PEOP Plan was approved by EPA in a letter dated April 22, 2014. Various components of the Commission's PEOP Program as they pertain to stormwater are described in this section.

a. Commission Web Site

The Commission's web site, located at www.bwsc.org, has been greatly enhanced and provides a variety of information concerning the Commission's programs, activities, and requirements. It provides the Commission's Sewer Use Regulations and Site Plan Requirements, a page on Stormwater Management with links to past annual stormwater reports, information regarding Stormwater BMP Guidance Document (http://www.bwsc.org/ABOUT_BWSC/systems/stormwater_mgt/Stormwater%20BMP%20Guidance_2013.pdf), a description of BWSC's Downspout Disconnection program, Grease Trap Guidelines, and the like, as well as a community outreach and education section including pollution prevention advice for residents, businesses and construction, and pet owners.

The new 'We Are All Connected" website was launched in November, 2015, with an interactive homepage to engage visitors. Icons and pop up messages provide a preview of the educational content within. The four new sections with videos imbedded are: Stormwater, Wastewater, Tap Water and Resources.

b. Currents/Billing Inserts

On a bi-monthly basis in the water and sewer bills, the Commission provides customers with an informational newsletter called *Currents*. The newsletter is aimed at providing customers with useful information concerning the Commission's programs and activities. Issues of *Currents* announce upcoming events such as the Commission's community outreach meetings and city sponsored events such as household hazardous waste, oil and paint collections. In addition, articles feature tips on pollution prevention, and proper disposal of used motor oil, antifreeze, household hazardous materials, yard debris, pet waste and other wastes.

Issues of *Currents* in 2015 featured the following items:

- March 2015 Bill Message Disposable wipes, even those labeled "flushable" should be disposed of in the trash, not flushed down the toilet
- April 2015 Bill Insert Backwater Valve / Don't Dump! Report Illegal Dumping
- April 2015 Bill Message Dog owners citywide can help prevent the contamination of beaches and other waterways from dog waste by picking up after their pets. Visit www.bwsc.org for more information.
- May/June 2015 Currents –

Help Improve Water Quality Scoop the Poop Quick Tips for Disposing of Pet Waste Motor Oil Drop Off and Paint Swap Shops Household Hazardous Waste Drop-Off Day

- May 2015 Bill Message A sanitary sewer overflow (SSO) is an unintentional discharge of untreated sewage into the environment or a property. If you encounter a sewer overflow, call BWSC's 24 Hour Emergency Service at 617-989-7000.
- June Bill Insert 2015 Reduce Chemical Use: Phosphate-free Car Soap and Low Phosphate Fertilizer / Household Hazardous Waste Drop-Off Days
- June 2015 Bill Message To prevent pollution of local waterways, report illegal dumping into storm drains. If you observe someone dumping into a storm drain, report it immediately to BWSC at 617-989-7000.
- July/August 2015 Currents –

Proper Use and Disposal of Pesticides and Fertilizers Check Your Vehicle for Leaks Report Open Fire Hydrants Get a Water Conservation Kit

• September/October 2015 Currents –

Household Hazardous Waste Days

Leaf & Yard Waste Curbside Collection Clear Catch Basins of Leaves and Debris

November/December 2015 Currents –

FOG - Cool It-Can It- Trash It

Free Reusable Grease Can Lid

 December Bill Insert 2015 – Neighborhood Site Card with "Keep Wipes out of Pipes" message

Copies of the *Currents* issues and the inserts are provided in Appendix B and on the Commission's website.

c. Bill Messages

The Commission inserts messages onto its bills to its customers to notify them of program and information that impacts the environment.

- The March 2015 bill message stated, "Disposable wipes, even those labeled "flushable" should be disposed of in the trash, and not flushed down the toilet."
- The April 2015 bill message stated, "Dog owners citywide can help prevent the contamination of beaches and other waterways from dog waste by picking up after their pets. Visit www.bwsc.org for more information."
- The May 2015 bill message stated, "A sanitary sewer overflow (SSO) is an unintentional discharge of untreated sewage into the environment or a property. If you encounter a sewer overflow, call BWSC's 24-HOUR Emergency Service at 617-989-7000."
- The June 2015 bill message stated, "To prevent pollution of local waterways, report illegal dumping into storm drains. If you observe someone dumping into the storm drain, report it immediately to BWSC at 617-989-7000."
- The September 2015 bill message stated, "Check your vehicle for leaks. Automotive fluids can enter the storm drain system, contaminate runoff, and pollute local waterways. Visit www.bwsc.org for more information."
- The October 2015 bill message stated, "Autumn can be a rainy season. To prevent flooding in your neighborhood, clear leaves, trash, and debris from the top of storm drains."
- The December 2015 bill message stated, "Avoid disposing of grease, including cooking oil and meat scraps into your plumbing system through sink drains or toilets. These items can cause sewer backups."

d. Social Media

In 2013 the Commission expanded its public outreach efforts to include social media outlets, including Facebook and videos on YouTube. The Commission's Facebook page

includes messages and YouTube videos containing public service announcements developed by Commission staff. In coordination with its Facebook page, the Commission also maintains a YouTube channel to host its public service announcements. The following video/public service announcements were viewed during 2015 on YouTube:

- Scoop the Poop
- Fats, Oils, Grease
- Keep Wipes out of Pipes: 264
- Where Does the Water Go?
- Stay Connected
- Downspout Disconnection
- Dudley Sewer Separation Project
- BWSC "We are all Connected" Environmental Hip-Hop Music Video

e. Public Service Announcements

Several Public Service Announcements (PSAs) were broadcasted in 2015 on the Boston Neighborhood Network (BNN) cable station. The BNN channel reaches three-quarters of Boston households in every neighborhood and demographic group of the city (188,230 households, or 425,400 potential viewers. In 2015, the following PSAs were broadcast on BNN (which on average air 400 times per month).

- January 2015 Keep Wipes Out of Pipes
- February 2015 Stormwater, where does the water go
- March 2015 Pet Waste
- April 2015 Fats, Oils and Grease (FOG)
- May 2015 Keep Wipes Out of Pipes
- June 2015 Stormwater, where does the water go
- July 2015 Pet Waste
- August 2015 Fats, Oils and Grease (FOG)
- September 2015 Keep Wipes Out of Pipes
- October 2015 Stormwater, where does the water go
- November 2015 Pet Waste
- December 2015 Fats, Oils and Grease (FOG)

f. Educational Outreach

The Commission's Communications Department staff includes an Educational Coordinator that goes to a number of City of Boston public schools and camps to present information to students regarding water, sewer and stormwater. The Commission made presentations to the following number of schools/students in 2015:

- January 11 groups, 257 students
- February 13 groups, 255 students
- March - 10 groups 246 students
- April 13 groups, 270 students
- May 19 groups, 459 students
- June 19 groups, 756 students
- July 5 groups, 119 students
- August 3 groups, 99 students
- September 1 groups 200 students
- October 6 groups, 298 students
- November 2 groups, 100 students
- December 2 groups, 90 students

g. Environmental Events

In 2015, the Commission was active at numerous public events and organized environmental functions relating to stormwater as follows:

- Stormwater presentations to children at Curtis Hall Community Center in Jamaica Plain (January)
- Judge at the CASH High School Science Fair (Boston Public School) (February)
- Table with information the Boston Public School Greenovate event (March)
- Table with information- at the World Water Day (March)
- Attended Unity Day at the Menino Community Center in Roslindale and handed out FOG brochures and grease lids to attendees. (March)
- Attended Charles River Watershed Association River Cleanup in Boston (April)
- Attended and participated as a judge on the Wentworth External Collaborator for the Capstone Senior Thesis (April)
- Gave presentation and began conversation with the Aquarium regarding collaboration and partnership to label storm drains on a monthly basis with their volunteers (April)
- Table with information at the Health and Wellness Summit at Wentworth (April)
- Met with Boston Housing Authority (BHA) to discuss ways of initiating presentations to the Seniors at BHA properties. (May)
- Met with Boston Parks Department to schedule presentations and storm drain decals at the East Boston Parks and Recreation summer programs (May).
- Attended the New Academy Estates Family Day event gave out grease lids and information (June)
- Table with information at Quincy Elementary School- STEAM EXPO and presented educational information to 700 students. (June)

- Table with information at Quincy Elementary School- STEAM EXPO and presented educational information to 700 students. (June)
- Educated and engaged Boston Aquarium volunteers in storm drain decaling -260 storm drains (June)
- Presented a hands-on game "Building the Stormwater System" and the "Stormwater game" to 4 Boston Schools and City Events. Over 300 students have played the game.
- Educational information was giving to teachers at the Water Works Museum, youth at the Goodwill program. (July)
- Storm drain stenciling activities were conducted in East Boston. (July)
- Partnered with city and community agencies to share information at their events,
 e.g. Boston Housing Authority for Unity Days, Boston Parks' neighborhood and
 City Hall concerts, and U.S. Coast Guard Tall Ships Tour. (July)
- An Environmental Hip Hop Event was held by BWSC at City Hall Plaza. The
 event raised awareness of how the public can help stop environmental pollution in
 4 major ways. Local rappers used their talent to spread the messages. Media
 coverage of the event included a BNN interview, YouTube video plus online and
 print newspaper stories. (August)
- With the ensuring summer heat, the H2GO Water Trailer was in high demand to provide refreshing drinking water at local events including the Puerto Rican, Dominican and Caribbean Festivals. (August)
- Attended Unity Days at Boston Housing developments. Materials on "F.O.G." and "Keeping Wipes out of the Pipes" were distributed to BHA residents. (August)
- Table and information was provided at GreenFest on City Hall Plaza. (August)
- BWSC's Educational Outreach program has fostered relationships with volunteers from local companies working with the Aquarium and Building Impact. Both organizations help coordinate volunteers for community projects. Students from area schools learned about the Neponset River, were taught ways to prevent pollution, and enjoyed a canoe ride at the Canoe Mobile sponsored by the National Park Service. Over 200 students participated at the BWSC presentation table. (September)
- Educational presentations were also made to public housing residents in Dorchester and Roxbury to advise of the dangers of pouring grease into drains. (September)
- Community meetings were held in Hyde Park and Dorchester to provide a forum for discussing the rate setting process and BWSC programs available to assist customers. (September)
- On October 12th, BWSC received the 2015 Association of Metropolitan Water Agencies (AMWA) coveted Platinum Award for Utility Excellence. The award

recognizes Boston's approach to asset management, leak detection and flushing programs as exceptional and contributing to the dramatic reduction in lost water. (October)

- To educate the public on the dangers of pouring fats, oils and grease (FOG) down the drain, a Public Outreach Event was held at Stop and Shop, South Bay Mall, Dorchester. Over 3,500 FREE grease lids and brochures were distributed. To promote the pre-thanksgiving public outreach event, existing advertising for neighborhood site locations was changed to include the FOG message. (November)
- 165 FREE grease lids were distributed at the neighborhood site locations. (November)
- A new Fats Oils and Grease video was posted on YouTube. The Scoop the Poop video received over 1,400 views. (November)
- Staff made presentations about FOG prevention tips at 3 community meetings. (November)
- In house meeting was held with environmental partners to develop new campaigns to help grow our reach with environmental messaging. (November)

In addition, the Commission continued use of its H2GO water wagon deployed at a number of public functions city-wide. The Commission's H2GO water wagon provides free water to the public but also provides the Commission an opportunity to promote its public education messages including FOG and other messages. The Commission displayed a sandwich board with environmental messages at 70 community events featuring the H2Go trailer during 2015. Two messages were displayed: 1) Don't Dump: Storm drains flow directly to Boston Harbor and our rivers, and 2) Scoop the Poop: Walking your dog? Take a plastic bag along to pick up pet waste.

h. Catch Basin Stenciling and Castings

Public awareness regarding the connection between catch basins and water quality is promoted through the Commission's Catch Basin Stenciling Program. Through the Catch Basin Stenciling, volunteers are mobilized to stencil "Don't Dump" messages next to catch basins. Upon request, the Commission coordinates stenciling projects and provides instruction, stencils, paint, rollers, brooms, informational leaflets, and safety equipment.

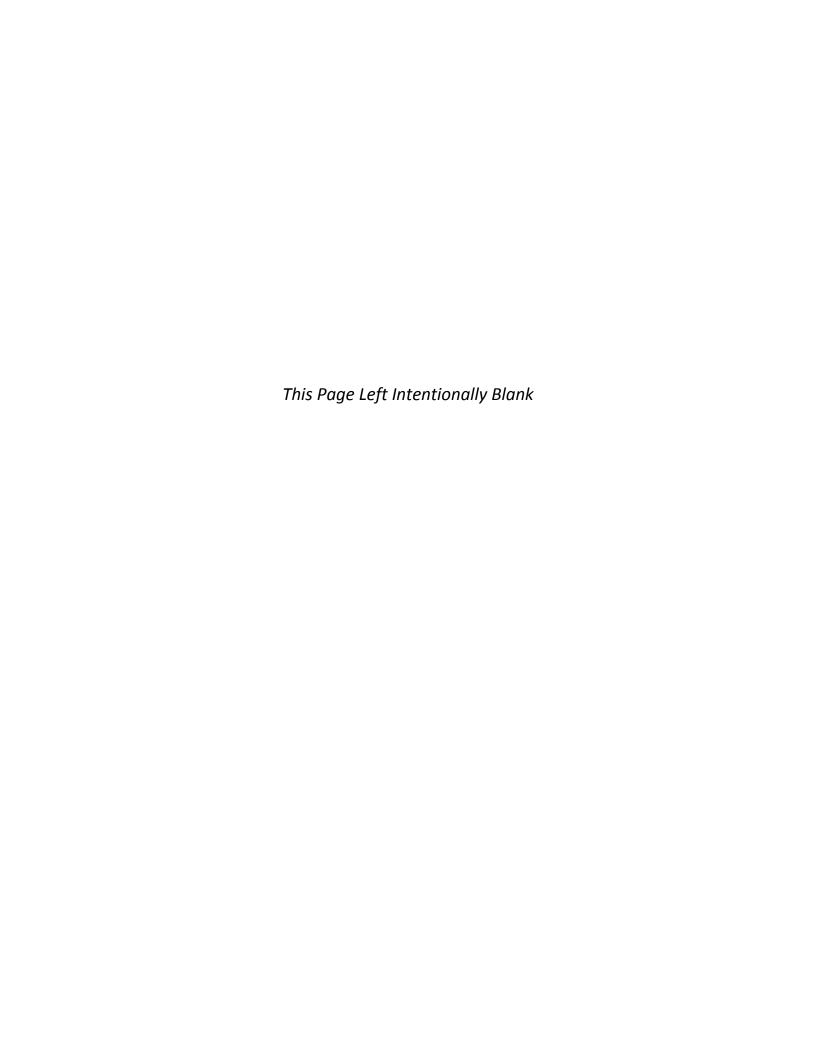
The Catch Basin Stenciling Program is promoted through the Commission's web site and billing inserts and through press releases, community events and outreach meetings, presentations to public schools, and through local watershed associations. In 2015, the Commission continued to work with schools within the City of Boston to mark curbs in their neighborhoods with stencils and decals. During this Reporting Period, the Commission also worked with volunteers from the New England Aquarium to install decals on 1597 storm drains around Boston Harbor.

Commission contractors are required to install metal castings with a "Don't Dump" message on sidewalks near new or reconstructed catch basins. Boston City contractors also install the castings when new sidewalks are installed. The castings are provided to city hired contractors by the Commission at no cost. The Commission requires that private developers install permanent "Don't Dump" catch basin castings next to any new catch basin installed as part of their projects. The developers, as well as other parties interested in obtaining the castings may purchase them from the Commission's vendor. In 2015, the Commission issued 1,656 catch basin castings to contractors and other parties. Of those issued, 981 were for Boston Harbor, 350 for the Charles River and 325 were for the Neponset River.

3.12 SUPPORT FOR WATERSHED AND ENVIRONMENTAL AGENCIES AND ORGANIZATIONS

Each year the Commission provides funding to Watershed Associations and Environmental Organizations to support their water quality monitoring programs and public education efforts. The Charles River Watershed Association and Neponset River Watershed Association each received \$10,000 from the Commission in 2015. The Boston Harbor Association received \$10,000 from the Commission in 2015.

As needed and requested the Commission shares monitoring and rain gauge data, investigates reports of illegal connections or other non-stormwater discharges to waterways, participates in planning meetings, and provides technical advice.



4.0 STRUCTURAL BEST MANAGEMENT PRACTICES AND GREEN INFRASTRUCTURE

Under the Consent Decree the Commission must implement structural Stormwater Best Management Practices (BMPs) and Green Infrastructure (GI) measures to reduce the discharge of pollutants from the drainage system. The BMP and GI measures and activities implemented by the Commission in 2015 are described in this section.

4.1 STORMWATER MODEL

On December 28, 2012, as required under the Consent Decree, the BWSC submitted a Stormwater Model Report (Model Report) to EPA for review and approval. The Stormwater Model Report contained evaluations of sub-catchments, including the quantification of impervious surface area, directly connected impervious area ("DCIA"), population density, land use classifications, pollutant loading, and availability of suitable property for the implementation of stormwater BMPs. The Model Report contained a discussion of potential BMPs and GI available for possible implementation. It contained a discussion as to how the BMPs/GI could assure consistency with applicable TMDL wasteload allocations and the extent to which the BMPs/GI would prevent BWSC discharges from causing or contributing to a violation of water quality standards.

The EPA approved the Commission's Stormwater Model Report on July 14, 2015, and a filing deadline for the BMP Recommendations Report (required under the Consent Decree) was established for October, 2016. The BMP Recommendations Report will include plans and schedules for implementing structural BMPs/GI in Boston aimed at reducing pollutant loadings in stormwater discharges sufficient to meet applicable total maximum daily loads.

4.2 STORMWATER BMP PROPOSAL AND PHASE I BMP IMPLEMENTATION PLAN

On February 1, 2013, as required under the Consent Decree, the Commission submitted to EPA a Stormwater BMP Proposal and Guidance Document which contained a suite of generic BMPs for implementation. Also, on May 17, 2013, the Commission submitted to EPA, DEP and CLF a Phase I BMP Implementation Plan. The Phase I BMP Implementation Plan (BMP Plan) contained recommendations and schedules for the implementation of specific BMPs and GI demonstration projects at Central Square-East Boston, Audubon Circle (Beacon Street/Park Drive area), and City Hall Plaza. The Phase I BMP Plan is available from the Commission's website at www.bwsc.org.

In 2015, the Commission continued to coordinate with City of Boston agencies on the development of the BMP/GI demonstration projects at Central Square and Audubon Circle. The Central Square project was put out to bid in 2014; however, the bids received were much higher than estimates and the City rejected all bids. The City reviewed and modified the design of the project and it was put out to bid again in 2015. Construction on the Central Square project commenced in July, 2015. Design for the Audubon Circle project was still being prepared as of the end of 2015.

The Commission continued to coordinate with the MBTA with regards to the City Hall Plaza project which incorporates structural BMPs. The Commission also coordinated with the Boston Redevelopment Authority and Property Construction Management Department of the City of Boston regarding evaluation of City Hall Plaza for installation of additional Green Infrastructure.

4.3 GREEN INFRASTRUCTURE FOR THREE TRIBUTARY AREAS

In June 2015, the Commission solicited RFP's from consultants to assist the Commission in developing conceptual designs and prepare cost estimates for installation of Green Infrastructure in three areas of Boston tributary to the Charles River. The projects will assist the Commission in developing more detailed designs and schedules for installation of BMPs/GI. The areas are located in the Canterbury Brook area (1,115 acres); the Lower Stony Brook area (1,020 acres); and in Allston (556 acres). As of the end of 2015, the Commission was negotiating contracts with the selected consultants for the three separate projects. The knowledge and experience gained pursuant to these projects will help the guide Commission as it implements BMP/GI projects going forward.

4.4 DAISY FIELD GREEN INFRASTRUCTURE

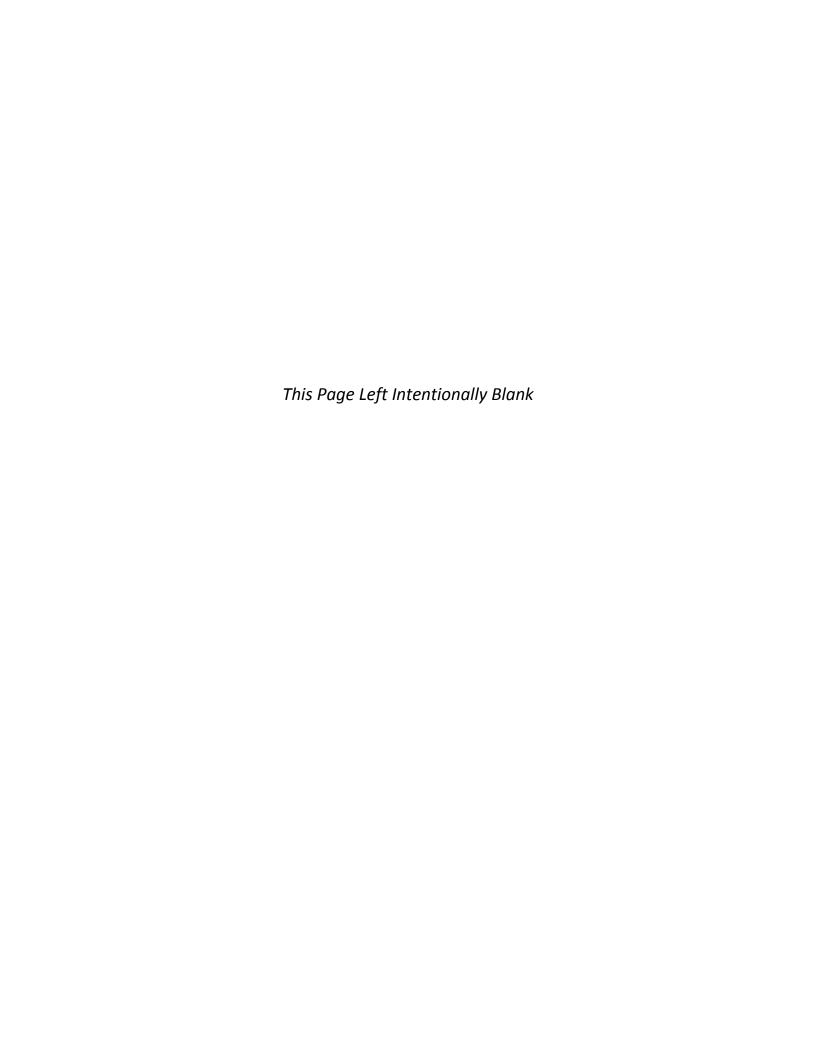
On March 2, 2015, the Commission signed a contract with UNH to provide technical assistance to the Commission to conduct a feasibility analysis and prepare a preliminary design for Green Infrastructure in an area located in Jamaica Plain known as Daisy Field. Daisy Field is owned by the City of Boston Parks Department. The area discharges to Leverett Pond through outfall 18G233. The project will involve installation of a gravel wetland and /or other suitable stormwater management systems. In 2015, the Commission coordinated with the Boston Parks Department regarding the project. The current budget for the design of Green Infrastructure in Daisy Field is currently \$47,000.

4.5 GREEN SCHOOLS

In 2015, the Commission solicited RFP's and selected a consultant to assist the Commission in conducting site analyses, perform feasibility assessments, and design GI for five Boston Public Schools. The consultant will work with the Boston School Department to develop stormwater related curriculum for 3rd and 6th graders. The curriculum will be designed to use the Green Infrastructure (once constructed) to demonstrate various GI measures and to educate the students regarding GI benefits. The \$234,651 contract with the selected firm was executed in October, 2015.

4.6 BOSTON COMPLETE STREETS INITIATIVE

The City of Boston has developed the Complete Streets Initiative, under which incorporation of green infrastructure into street designs is required. Green infrastructure includes greenscapes, such as trees, shrubs, grasses and other landscape plantings, as well as rain gardens and vegetative swales, infiltration basins, and paving materials and permeable surfaces. The Commission supports the City in this endeavor. Information about the Complete Streets Initiative is available on the City's website at http://bostoncompletestreets.org/.



5.0 ASSESSMENT OF STRUCTURAL CONTROLS

Under the terms of its NPDES Stormwater Permit and to comply with the Consent Decree, the Commission must evaluate the effectiveness of structural Best Management Practices (BMPs) and Green Infrastructure (GI). This section describes the Commission's efforts in 2015 in that regard.

5.1 ASSESSMENT OF STORMWATER BMPS AND GI

The Central Square, Audubon Circle, City Hall Plaza, Three Tributary Areas, Daisy Field and Green Schools projects (described in Section 4), will include water quality sampling and monitoring to assess the effectiveness of the BMPs/GI structures installed. Assessments of other BMPs/GI will be performed as the structures are designed and installed by the Commission.

5.2 CATCH BASINS

The Commission relies on catch basins as the primary means for preventing the transport of sediments, debris, and other contaminants to storm drains and receiving waters. In 2015, Commission personnel and contract resources performed 21,414 catch basin inspection/cleanings. Catch basin cleanings are transported to the Commission's Material Handling Facility where they are temporarily stored to de-water until transferred for proper off-site disposal/reuse at an approved disposal facility. The amount of material removed from the Commission's catch basins in 2015 was 4,699 tons, as recorded at the Commission's Material Handling Facility.

In 2001 through 2004, the Commission monitored sediment levels in several catch basins to evaluate their effectiveness in capturing solids. The results of the demonstration project (described in previous annual reports) indicated that a clean and well-maintained catch basin will remove between 10 to 33 percent of the total solids from stormwater flow through the basin. The data also suggested that a catch basin's ability to remove solids diminishes as the sump of the catch basin approaches half full. These findings are consistent with the conclusions of other similar studies reported in the literature.

Under the Commission's Catch Basin Inspection and Cleaning Program the sediment depths in one hundred catch basins were monitored between January 2002 and April 2003 to determine the factors that affect how quickly catch basins become full. Variables considered in selecting the catch basins to be monitored included slope, land use and the size of the tributary area, the type of road (highly traveled road vs. back road), and tree

cover. The selected catch basins were inspected four times each on a quarterly basis and the depth of sediment measured.

No statistically significant correlation between land use and accumulation rates was observed. Similarly, no correlation was observed based on slope, drainage area, or neighborhood characteristics. Some correlation with tree cover was observed, with the catch basins located in areas of denser tree coverage demonstrating as much as 50 percent higher accumulation rates as compared to basins with little or no tree cover. The data also exhibited a seasonal correlation, with the winter months demonstrating the highest accumulation rates.

Based on the findings of the Commission's catch basin effectiveness analyses, the Commission's catch basins should continue to effectively remove sediments from stormwater runoff, provided that sediment levels are not allowed to exceed one-half of the capacity of each catch basin's sump. In 2013, the Commission modified its catch basin and cleaning frequency consistent with its CMOM program.

5.3 PARTICLE SEPARATORS

The Commission currently owns 16 particle separators. All sixteen (16) particle separators were inspected in 2015. Of those, only 2 needed cleaning. Information regarding the various particle separators, including their locations, receiving waters, and amount of material removed at each cleaning between 2005 and 2015 is summarized in Table 5–1.

The cleaning data provided over the last several years demonstrated that there are significant differences in the amount of material removed from each separator from year to year, although the reasons were unclear. There are many variables which could affect the amount of material retained in a separator, including frequency and intensity of rain and snow storms, land use, topography and size of the area tributary to the particle separator, season during which the separator was cleaned and design factors.

The Commission typically uses a vactor truck with a vacuum hose to clean its particle separators and this equipment is not conducive to accurate quantification of material removed. The amount of material removed is estimated by the operator and not measured. Each operator may estimate the amount of material removed differently than others. For these reasons it is difficult to establish which factor(s) determine how well a particle separator removes solids, or why one particle separator appears to capture more sediment than another.

6.0 WATER QUALITY MONITORING

Monitoring the quality of flows within, and discharged from the storm drainage system enables the Commission to establish water quality under existing conditions, and to evaluate changes in quality of discharges over time. This Section describes the Commission current and past water quality monitoring programs.

6.1 OUTFALL MONITORING

The Commission is required to annually perform wet and dry weather field screening of its storm drain outfalls, CSO outfalls and storm drain manholes that discharge (interconnect) with other MS4 drain systems. The field screening program is described in more details in Section 2. The results of the water quality sampling performed for the screening are presented Tables 2-1 and 2-3.

6.2 URBAN RUNOFF WATER QUALITY PROJECT

In 2015, the Commission solicited RFPs and selected a consultant to perform the Urban Runoff Water Quality Project. The project will include water quality sampling from various locations, including manholes, outfalls, roads (gutters), catch basins, parking lots, roof-tops, city parks, open spaces and swales. Samples will be analyzed for bacterial indicators, DNA markers, Pharmaceuticals and Personal Care Products, nutrients and other commonly sampled stormwater parameters. The main purposes of the project is to explore the use and effectiveness of alternative parameters and methods for determining whether bacteria or ammonia in storm drains or outfalls may be from non-human sources and to aid the Commission in determining where and to what extent non-human sources of bacteria and phosphorus may be contributing to contamination in the storm drain system. Findings from the project will aid the Commission in prioritizing where future illicit discharge investigations should be directed. The \$581,939 contract for the 20 month project was executed in November, 2015.

6.3 PAST WATER QUALITY MONITORING PROJECTS

On December 28, 2012, the Commission submitted a Stormwater Model Report to the EPA, DEP and CLF, as required under the Consent Decree. As part of the Stormwarer Model (Model) development, the Commission and its contractor CDM Smith performed extensive water quality sampling of the storm drain system. The Drain Model was used to estimate flows and loads for 13 key parameters, including nutrients, bacteria and metals. It was used to analyze a set of alternatives that aim to reduce loading of pollutants from the drain system to receiving waters. That analysis was performed as a starting

point for more in-depth studies into the feasibility and expected benefits of implementing stormwater Best Management Practices and Green Infrastructure measures in the City of Boston. The Drain Model was used to simulate the impacts of the alternatives on the loading of phosphorus and bacteria from select watersheds draining to different receiving waters.

In 2010, the Commission completed the Stormwater Quality Evaluation Program. Under the Stormwater Quality Evaluation Program, the same sites monitored during the first five years of the permit were monitored. The purpose of the monitoring was to evaluate how water quality had changed over time, and to try to determine pollutant sources. The Stormwater Quality Evaluation Program was completed near the end of 2010 and the final report was completed in May 2011 and previously reported. The full report is available upon request.

Other stormwater quality monitoring and demonstration programs required under the Commission NPDES Permit were completed within the Permit's first five years. Descriptions of those programs were provided in previous Stormwater Management Reports.

7.0 WATER QUALITY IMPROVEMENTS

The Commission's Stormwater Management Program is a compilation of programs, activities, and best management practices aimed at preventing the discharge of pollutants to storm drains and receiving waters. Water quality improvements attributable to the Commission's Stormwater Management Program are difficult to quantify, since many of the measures the program contains are non-structural, and are aimed at controlling the introduction of pollutants to the storm drain system at their sources, as opposed to end-of-pipe treatment. Therefore, the Commission typically assesses water quality improvements based on measures that are quantifiable, such as how much wastewater is removed from the drainage system when an illegal connection is eliminated, and how much sediment is removed from stormwater runoff by structural devices.

7.1 STORMWATER MODEL

In 2012, the Commission used its Storm Drain Model to analyze a set of BMP/GI alternatives aimed at reducing loading of pollutants from the drain system to receiving waters. The analysis was performed as a starting point for more in-depth studies into the feasibility and expected benefits of implementing BMPs/GI in the City of Boston. The data was included in the Stormwater Model Report submitted to EPA for review and approval in December 2012. The EPA approved the Commission's Stormwater Model Report on July 14, 2015, and a filing deadline for the BMP Recommendations Report (required under the Consent Decree) was established for October, 2016. The alternatives modeling indicated that expansion of the Commission's programs and policies (illicit discharge removal, site plan requirements, and Boston's Complete Streets initiative) will measurably help the Commission comply with its NPDES Permit and meet the terms of the Total Maximum Daily Loads (TMDL) governing certain receiving waters.

7.2 POLLUTANT LOADINGS AND REDUCTIONS

In 2012, the Storm Drain Model was used to estimate mean annual loads for 13 water quality constituents, including nutrients, bacteria and metals. The annual loads were based on field data collected in 2011 and 2012. Table 7-1 presents the mean annual total loads for the Commission's 27 sub-drainage areas (referred to as "reporting areas"), as they were calculated in 2012.

In 2013, 2014, and 2015, the Drain Model was used as the basis to estimate the reductions in bacteria and phosphorus that resulted due to the elimination of illicit discharges since 2012. Tables 7-2 through 7-4 present the annual load reductions for

each of the 27 reporting areas described in the 2012 Stormwater Model Report. Table 7-2 presents the load reduction for each reporting area as December 31, 2013, with the load reduction encompassing illicit discharge removal activities throughout 2012 and 2013. Table 7-3 presents the load reduction for each reporting area as of December 31, 2014, with the load reduction encompassing illicit discharge removal activities throughout 2014. Table 7-4 presents the load reduction for each reporting area as of December 31, 2015, with the load reduction encompassing illicit discharge removal activities throughout 2015. In these tables the total phosphorus and bacteria values presented are the difference that can be attributed to illicit discharge removal in those years.

Table 7-5 presents the annual loads by reporting area, based on conditions as of December 31, 2015. The numbers in Table 7-5 incorporate all reductions due to illicit discharge removals in 2012 through 2015.

The 2012 Drain Model has the capability to evaluate pollutant loading reductions that result from the installation of BMPs/GI. However, the 2012 model has not yet been updated to include BMPs/GI installed since March 2012. In 2015, the Commission began developing a database of public and private BMPs/GI installed city-wide since March 2012. As of the end of 2015, the locations of the BMPs/GI were being georeferenced and pollutant removal estimates were being tabulated for each BMP/GI in the database. In 2016, the pollutant reductions attributable to the various BMP/GI installed since 2012 will be incorporated into the Drain Model.

7.3 ILLICIT DISCHARGE ELIMINATION

The Commission believes that eliminating illicit discharges to storm drains is the most environmentally beneficial and cost-effective means of improving water quality. The 2012 Drain Model report demonstrated that removing illicit discharges has a significant impact on water quality, especially bacteria and phosphorus loadings.

In 2015, the Commission eliminated 88 illicit discharges, thereby eliminating the discharge of an estimated 37,602 gallons per day (gpd) of wastewater to the drainage system and receiving waters. Between 1986, when the Commission first began correcting illicit discharges, and the end of 2015, the Commission removed 1,559 illicit discharges, thereby eliminating the discharge of an estimated total of 718,581 gallons of wastewater per day to the storm drainage system and receiving waters.

7.4 SEWER, DRAIN, CATCH BASIN AND PARTICLE SEPARATOR CLEANING

Cleaning of catch basins and particle separators helps to maintain their sediment removal effectiveness, and cleaning of storm drains helps to maintain their hydraulic capacity. In 2015, the Commission and its contractors removed an estimated 9,049¹ tons of material from the Commission's catch basins, particle separators and drains that might have otherwise ended up in local rivers and waterways.

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 $^{^{\}rm 1}$ Total for 2015, as measured at the Commission's Material Handling Facility.

7.5 BMPS ON PRIVATE PROPERTY

Under the Commission's Sewer Use Regulations and Requirements for Site Plans, there are several provisions requiring the installation of structural BMPs by private parties, as described below.

a. Privately Owned Retention/Infiltration Devices

On-site retainage and infiltration of stormwater is required for new and redevelopment projects, whenever site conditions permit, as determined by the Commission. Project developers are required to include a feasibility assessment for on-site retention of stormwater with the site plan submitted to the Commission for the project. On-site retention of stormwater serves to limit peak discharge rates, recharge groundwater, and remove 80 percent of total suspended solids in the flow to the extent feasible. This requirement is consistent with the DEP's Stormwater Management Policy which establishes standards for stormwater management for development.

On-site retention devices are usually owned by the owner of the property where they are located; as such, the owner is responsible for cleaning and maintenance. Owners of on-site devices are not required to provide data regarding solids removal rates to the Commission. However, the devices are expected to remove solids consistent with their designs.

In 2015, the Commission approved 432 site plans which included installation of a dry well or other type of infiltration device. The addresses of the devices approved in 2015 are listed in Table 3–4. Since 2000, 2,897 private development projects have included infiltration devices.

b. Privately Owned Particle Separators

In order to prevent oil, grease and sediments from discharging to open waterways, the Commission requires that developers install particle separators on all newly constructed storm drains that serve outdoor paved areas of 7,500 square feet in size or greater. The Commission ensures that particle separators on parking lots are included in the project design during site plan review. The Commission may require particle separators on existing storm drains from existing outdoor parking areas, where appropriate. This requirement has been in place since 1992.

Parking lot particle separators are usually owned by the owner of the property where they are located; as such the owner is responsible for their cleaning and maintenance. Owners of on-site particle separators are not required to provide data regarding solids removal rates to the Commission. However, the devices are expected to remove solids consistent with their designs.

In 2015, the Commission approved 38 site plans which included installation of particle separators. The addresses of the devices approved in 2015 are listed on Table 3–5. Since 2000, 342 private development projects have included installation of particle separators.

8.0 ENFORCEMENT

Since 2012 and execution of the Consent Decree, the Commission has strengthened enforcement against violators of its illicit discharge regulations to remove illicit discharges and connections from the Commission's MS4 system. Enforcement commences as follows:

Once the Commission verifies that an illicit discharge must be corrected by the owner of a property, the Commission mails an initial letter of enforcement to the owner. The letter directs the owner to contact the Commission within a given time frame (typically 10 days) and submit a plan for correction within a designated time period (typically 30 days). The letter also directs the owner to correct the illicit discharge within a given time frame (typically 60 days). If the owner fails to respond, and/or does not correct the illicit discharge within those time frames, a second notice is issued. The second notice imposes a thirty (30) day deadline or schedule for compliance and notifies the owners that fines will commence after a given deadline for failure to comply.

If the owner fails to respond or does not correct the illicit connection within the given timeline or schedule, the Commission issues a "Fifteen Day Notice", pursuant to Chapter 6, Section 6.3 of the Commission Billing, Termination and Appeal regulations for "Termination of Service". Under the Fifteen Day Notice, the owner is given 15 days to correct the illicit connection and notify the Commission. If the owner fails to respond to the Fifteen Day Notice and/or fails to correct the illicit discharge, the Commission mails to the owner, and posts on the premises of the illicit connection, a "Final Notice and Demand". If the owner still fails to correct the internal connection within ten (10) days after the posting of the Final Notice and Demand, the Commission issues fines to the owner and terminates water service.

In 2015, the Commission issued 112 enforcement notices to the owners of 73 properties with verified illicit connections or discharges to correct internal illicit connections or repair/replace a leaking lateral. Also, 73 enforcement notices were sent to the owners of 40 properties requiring access to their properties to perform inspections or dye tests relating to the investigation of suspected illicit discharges.

In 2015, the Commission responded to 39 reports of a potential spill, leak, or report of illicit dumping. Table 3–3 in Section 3 lists the incidences to which the Commission

responded in 2015. No violation/enforcement notices or fines were issued for spills, leaks or dumping in 2015.

In 2015, the Commission issued three (3) violation notices to operators of construction projects, for violations pertaining to proper operation or implementation of construction site BMPs or erosion control.

9.0 FINANCING STORMWATER MANAGEMENT

The Commission's Enabling Act empowers the Commission to independently set rates and charges for the services that it provides. The Commission is required to establish fees, rates, rents, assessments, and other charges at a level and amount at least sufficient to pay the principal, premium, and interest on bonds issued by the Commission; to maintain its reserve funds as stipulated by its General Bond Resolution; to provide funds for paying the cost of all necessary repairs, replacements, and renewals of the water and sewer systems; and to pay any and all other amounts which the Commission, by law or by contract, is obligated to pay.

The Commission has sufficient funds and equipment to carry out the stormwater management programs and activities required under the NPDES Stormwater Permit. A major portion of the Commission's Stormwater Management Program and NPDES Stormwater Permit compliance activities are achieved using existing in-house staff and resources. Staffing and equipment are budgeted under the Commission's Current Expense Budget (CEB), which is updated annually. Larger sewer and drain projects are funded under the Commission's Capital Improvement Program Plan (CIP). The Commission's three-year CIP is updated annually.

9.1 CURRENT EXPENSE BUDGET

The 2015 Current Expense Budget totaled \$334.7 million in revenues, which was offset by an equal amount of expenses. The amount represented a 3.0% increase as compared to the 2014 budget.

Of the total budgeted for 2015, \$62.3 million was for direct expenses. The remaining funds were budgeted for the assessment by the Massachusetts Water Resources Authority (\$208.5 million), Debt Service (\$49.3 million), Capital Improvements (\$12.8 million), Contractual Funding Obligations (\$1.6 million), and the Safe Drinking Water Act Assessment (\$0.2 million).

In general, stormwater programs and activities are managed in-house by the Commission's Engineering and Operations Divisions. The Engineering Division consists of the sub-divisions of Planning and Sustainability, Engineering Design and Construction. Approximately \$28.4 million or 46 percent of the Commission's 2015 direct expense budget was for the Engineering and Operations Divisions. Of the Engineering and Operations Division's direct expense budget, about \$16.5 million was

for sewer and storm drain related operations. Thus sewer and drain related work represents about 26 percent of the Commission's total direct expense budget.

The Current Expense Budget for 2016 had not been finalized as of the writing of this report.

Stormwater related programs and activities funded under the Current Expense Budget include:

- Illegal connection investigations and corrections
- Illegal connection prevention
- Illegal dumping and spill response
- Infiltration and inflow identification and reduction
- Industrial facility pollution prevention program management
- Construction site pollution prevention inspections
- Issuing Drainage Discharge Permits
- Sewer and storm drain maintenance and general repair
- Catch basin and particle separator cleaning and maintenance
- Site plan review
- New service inspections and dye tests
- Issuing drain layers licenses
- Planning, designing and constructing capital improvements
- System evaluations and Master Planning
- Reviewing Environmental Notification Forms and Environmental Impact Reports
- Public education
- Rain data collection

9.2 CAPITAL EXPENDITURES

The 2015-2017 CIP included \$76.5 million for sewer and drain related projects, of which \$36.3 million was earmarked for 2015. The Commission's 2016-2018 CIP plan identifies \$90.3 million for sewer and drain related projects, of which \$37.5 million is earmarked for 2016. The complete 2016-2018 CIP plan is available on the Commission's website at www.bwsc.org.

These costs do not include the cost of CSO separation projects that are funded by the MWRA under the MWRA's CSO Control Plan. However, they do include the Commission's costs for water and sewer work relating to the MWRA's CSO Control Plan that is not eligible for MWRA funding.

Programmatic activities covered under the 2016-2018 CIP include the following:

- Structurally line the East Side Interceptor
- Construction of BMPs and Green Infrastructure in Central Square East Boston
- Construction of BMPs and Green Infrastructure at City Hall Plaza

- Construction of BMPs and Green Infrastructure in Audubon Circle at Beacon Street and Park Street
- Evaluate implementing a stormwater utility
- Design of a constructed wetland in Jamaica Plain
- Evalulate Urban Runoff Water Quality
- Green Infrastructure/Low Impact Development Implementation Plans for three areas
- Design, and install rain gardens at five Boston public schools
- Industrial Facility Stormwater Pollution Prevention Program
- CSO Public Notification Program
- Citywide Illegal Connection Investigation Program
- Elimination of illicit discharges to storm drains
- CCTV of sewers/drains for CMOM and illicit discharge investigations
- System-wide Infiltration and Inflow analysis of the sewer system
- Cleaning and rehabilitation of overflow conduit 065
- Replace and rehabilitate sewers and drains in the North End
- Sewer separation of flows along Massachusetts Avenue in Lower Roxbury/North Dorchester
- Sewer separation in the Dudley Square area
- Implement recommended measures to improve water quality of the Fort Point Channel
- Improve the Commission's sewer and storm drain models and augment of the stormwater model.
- Disconnection of downspout in Jamaica Plain, Dorchester, Allston-Brighton, West Roxbury, Roslindale, South Boston and Hyde Park.
- Projects relating to sewer separation projects that are not eligible for funding by the MWRA. These include renewal and replacement of existing sewers and drains in the areas being separated, rehabilitation or relay of water mains in the areas and associated paving costs.

10.0 PROGRAM MODIFICATIONS

With the lodging of the Consent Decree in August 2012, the Commission has undertaken a number of remedial measures to improve and update its Stormwater Management Program, such as updating its IDDE methodology and practices, establishing a schedule for completing IDDE investigations of sub-catchments, enhanced SSO reporting and tracking, developing an SSO Emergency Response (ERP) plan, developing a Construction Site Inspection Program, developing an Industrial Facility Pollution Prevention Program, executing intergovernmental agreements, and other actions. No formal modifications to the Commission's Stormwater Management Program were made in 2015 or are being requested at this time. Modifications made in prior years were described in previous annual Stormwater Management Reports.



Table 1-1. BWSC Stormwater Outfalls

MAJOR	OUTFALL NUMBER		LOCATION	NEIGHBORHOOD	SIZE (INCHES)	RECEIVING WATER
MORPHIST		MAJOR			,	
DOTS: DOTS				+	†	
WOM MAJOR		NON MAJOR	WEST MILTON STREET		1	UNAMED WETLANDS
MAJOR LASSANDYMOLOFY TETRING PARK NO. EXT INDEPARK 4 NEPTONET PROCESS		NON MAJOR	LAWTON STREET	HYDE PARK	12	NEPONSET RIVER RESERVATION
MORTER MAJOR MORTER STREET	02F093	NON MAJOR	EASEMENT/SIERRA RD	HYDE PARK	15	NEPONSET RIVER
MILE	02F120	MAJOR	EASEMENT/WOLCOTT CT/HYDE PARK AVE EXT	HYDE PARK	54	NEPONSET RIVER
MINERAL MON MAJOR MANS STREET MOTE PANK 12 MILL PONDAMCHER REDOK MINERAL NOVAMADOR AVAINAGE AND					†	
DIECON NOM MAJOR ALYANDO AVERNER ST SROCE						
MADRIE MADRIE MORRIAGO MADRIE SEGUE MOTHER SEGUE					ł	
SERVIN						
MOTH MON MAJOR CARRENT RICE ST					30	
MOTHS					30	
MAJOR						
MOR MAJOR DE-WYOOD AVE		MAJOR	EASEMENT/HYDE PARK AVE/RESERVATION RD	HYDE PARK	24	NEPONSET RIVER
MAJOR	04F189	MAJOR	RESERVATION RD	HYDE PARK	36	MOTHER BROOK/NEPONSET RIVER
	04F203	NON MAJOR	GLENWOOD AVE	HYDE PARK	28	NEPONSET RIVER
SECTION NOM MAJOR GEORGETOWN DRIVE HYDE PARK 12 NOME SHOWNCHAMLES RIVER 199182 NOM MAJOR GEORGETOWN DRIVE HYDE PARK 12 NOME SHOWNCHAMLES RIVER 199182 NOM MAJOR GEORGETOWN FRUEDED HAM THE HYDE PARK 12 NOME SHOWNCHAMLES RIVER 199182 NOM MAJOR GEORGETOWN FLACEDED HAM THE HYDE PARK 12 NOME SHOWNCHAMLES RIVER 199184 NOM MAJOR GEORGETOWN FLACEDED HAM THE HYDE PARK 12 NOME SHOWNCHAMLES RIVER 199184 NOM MAJOR NOME SHOWNCHAMLES RIVER 199184 NOME PARK 13 NOME SHOWNCHAMLES RIVER 199184 NOME PARK 13 NOME PARK 14 NOME PARK 15 NOME PARK 15 NOME PARK 15	04F204	MAJOR	TRUMAN HWY/CHITTICK ST	HYDE PARK	.	NEPONSET RIVER
					•	
					ł	
					.	
SEE 164						UNNAMED STREAM/CHARLES RIVER
MAJOR EASEMENT/TRUMAN HWYWILLAMS AVE						
SPECHA					!	
MOTHER BROCKNEPONSET RIVE					1	
MAJOR						
DATE					†	
DGG112			· ·		ł	
MAJOR					1	
DOSDITION NON MAJOR WARREM AVENUE		MAJOR	FAIRMOUNT AVE BRIDGE (NORTH BANK)	HYDE PARK	24	NEPONSET RIVER
DEDDST	05G116	NON MAJOR	FAIRMOUNT AVE BRIDGE (SOUTH BANK)	HYDE PARK	24	NEPONSET RIVER
SED083 NOM MAJOR AMAGGARETTA DRIVE	05G116A	NON MAJOR	WARREN AVENUE	HYDE PARK	24	NEPONSET RIVER
DEDDS# NOM MAJOR	06D057	NON MAJOR	CEDAR CREST CIRCLE	WEST ROXBURY	21	CHARLES RIVER
MODINATION MODINATION GEORGETOWN DRIVE WEST ROXBURY 12 WETLANDSCHARLES RIVER	06D083	NON MAJOR	MARGARETTA DRIVE	WEST ROXBURY	15	WETLANDS/CHARLES RIVER
DED088 NON MAJOR GEORGETOWN DRIVE WEST ROXBURY 10 WETLANDS/CHARLES RIVER DED091 NON MAJOR GEORGETOWN DRIVE WEST ROXBURY 10 WETLANDS/CHARLES RIVER DED093 NON MAJOR GEORGETOWN DRIVE WEST ROXBURY 18 WETLANDS/CHARLES RIVER DED094 NON MAJOR GEORGETOWN DRIVE WEST ROXBURY 18 WETLANDS/CHARLES RIVER DED095 WEST ROXBURY 18 WETLANDS/CHARLES RIVER DED096 MAJOR CASEMENT/GROVE ST WEST ROXBURY 36 BROOK GROVE ST CEMETERY DED097 WEST ROXBURY 36 MEPONSET RIVER DED097 WEST ROXBURY 30 NEPONSET RIVER DED097 WEST ROXBURY 30 CHARLES RIVER DED097 WEST ROXBURY 30			EASEMENT/MARGARETTA DRIVE	WEST ROXBURY		
Ded091					1	
BED184 NON MAJOR GEORGETOWN DRIVE WEST ROXBURY 18 WETLANDS/CHARLES RIVER GED187 MAJOR EASEMENT/GROVE ST WEST ROXBURY 36 BROOK GROVE ST CEMETERY GET STON BROOK GROVE ST WEST ROXBURY 36 BROOK GROVE ST CEMETERY GET STON BROOK GROVE ST CEMETERY WEST ROXBURY 36 BROOK GROVE ST CEMETERY GET STON BROOK GREGIVEN STON BROOK GROW STO					•	
DED187 MAJOR					1	
MOUNT ASH ROAD						
DGG108		-			i e	
066109 MAJOR RIVER TER EXT. NEAR ROSA ST HYDE PARK 48 NEPONSET RIVER 066110 MAJOR EASEMENT/WEST STREET EXT HYDE PARK 30 NEPONSET RIVER 066111 NON MAJOR EASEMENT/WOSE ST EXT. TRUMAN HWY HYDE PARK 24 NEPONSET RIVER 066165 NON MAJOR TRUMAN HWT.METROPOLITAN AVE HYDE PARK 10 NEPONSET RIVER 066166 MAJOR ABOUT 30 FEROM GUARRARIA MORTH SIDE OF TRUMAN HWY NEAR MILTON HYDE PARK 36X36 NEPONSET RIVER 06H106 NON MAJOR OSCEOLA STREET HYDE PARK 24 NEPONSET RIVER 06H107 NON MAJOR EASEMENT/BELNEL RD HYDE PARK 24 NEPONSET RIVER 07C006 MAJOR EASEMENT/FIELDEWATER'S RIVER ST NEPONSET/MATTAPAN 106X63 NEPONSET RIVER 07H285 MAJOR BLUE HILL AVE NEPONSET/MATTAPAN 106X63 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVEHOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVEHOLMF						
MAJOR					1	
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MAJOR	06G111	NON MAJOR	EASEMENT/VOSE ST EXT., TRUMAN HWY	HYDE PARK	24	NEPONSET RIVER
06H106 NON MAJOR OSCEOLA STREET HYDE PARK 24 NEPONSET RIVER 06H107 NON MAJOR EASEMENT/BELNEL RD HYDE PARK 24 NEPONSET RIVER 07C006 MAJOR EASEMENT/FUP PARKWAY/BELLE AVE WEST ROXBURY 126X126 CHARLES RIVER 07H105 MAJOR EASEMENT/FOSCWATER/S RIVER ST NEPONSET/MATTAPAN 102X72 NEPONSET RIVER 07H285 MAJOR BLUE HILL AVE NEPONSET/MATTAPAN 106X63 NEPONSET RIVER 07H286 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVE/BURMAH ROAD NEPONSET/MATTAPAN 21 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVE/TOPALIAN STREET NEPONSET/MATTAPAN 24 NEPONSET RIVER 08B122 MAJOR EASEMENT/FOORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08B126 NON MAJOR SPRING STREET EXTENDED WEST ROXBURY 30 CHARLES RIVER 08C025 MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08E031 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E033 NON MAJOR WASHINGTON STREET WEST ROXBURY 15 TURTLE POND 08E033 NON MAJOR WASHINGTON STREET WEST ROXBURY 15 TURTLE POND 08E035 NON MAJOR WASHINGTON STREET HYDE PARK 24 WETLANDS/CHARLES RIVER 08I153 NON MAJOR SHERRIN STREET WEST ROXBURY 15 TURTLE POND 08F001 NON MAJOR SHERRIN STREET HYDE PARK 24 WETLANDS/CHARLES RIVER 08I154 NON MAJOR EASEMENT/RIVER ST/GLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I155 NON MAJOR EASEMENT/RIVER ST/GLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I159 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I159 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 15 NEPONSET RIVER	06G165	NON MAJOR	TRUMAN HWT/METROPOLITAN AVE	HYDE PARK	10	NEPONSET RIVER
06H107 NON MAJOR EASEMENT/BELNEL RD HYDE PARK 24 NEPONSET RIVER 07C006 MAJOR EASEMENT/FW PARKWAY/BELLE AVE WEST ROXBURY 126X126 CHARLES RIVER 07H105 MAJOR BLUE HILL AVE NEPONSET/MATTAPAN 102X72 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVE/BURMAH ROAD NEPONSET/MATTAPAN 106X63 NEPONSET RIVER 07H347 NON MAJOR EDGEWATER DRIVE/BURMAH ROAD NEPONSET/MATTAPAN 11 NEPONSET RIVER 07H348 NON MAJOR EASEMENT/NORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08B122 MAJOR EASEMENT/NORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08C025 MAJOR WEDGEMERE ROAD WEST ROXBURY 30 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08E031 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E033 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E035 NON MAJOR WASHINGTON STREET WEST ROXBURY 15 TURTLE POND 08E035 NON MAJOR WASHINGTON STREET WEST ROXBURY 15 TURTLE POND 08E036 NON MAJOR SHERRIN STREET WEST ROXBURY 15 TURTLE POND 08E037 NON MAJOR SHERRIN STREET WEST ROXBURY 15 TURTLE POND 08E038 NON MAJOR SHERRIN STREET WEST ROXBURY 15 TURTLE POND 08E039 NON MAJOR SHERRIN STREET HYDE PARK 08H153 NON MAJOR SHERRIN STREET 08H156 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 14 NEPONSET RIVER 08H158 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 14 NEPONSET RIVER 08H159 NON MAJOR BEASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 15 NEPONSET RIVER 08H156 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 14 NEPONSET RIVER 08H156 NON MAJOR BEASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 15 NEPONSET RIVER 08H159 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 15 NEPONSET RIVER 08H159 NON MAJOR BEASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 15 NEPONSET RIVER 08H159 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 15 NEPONSET RIVER	06G166	MAJOR	ABOUT 30' FROM GUARDRAIL NORTH SIDE OF TRUMAN HWY NEAR MILTON	HYDE PARK	36X36	NEPONSET RIVER
07C006 MAJOR EASEMENT/FW PARKWAY/BELLE AVE WEST ROXBURY 126X126 CHARLES RIVER 07H105 MAJOR EASEMENT/EDGEWATER/S RIVER ST NEPONSET/MATTAPAN 102X72 NEPONSET RIVER 07H285 MAJOR BLUE HILL AVE NEPONSET/MATTAPAN 102X72 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H347 NON MAJOR EDGEWATER DRIVE/BURMAH ROAD NEPONSET/MATTAPAN 21 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVE/FOPALIAN STREET NEPONSET/MATTAPAN 21 NEPONSET RIVER 08B122 MAJOR EASEMENT/NORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08B122 MAJOR SPRING STREET EXTENDED WEST ROXBURY 30 CHARLES RIVER 08C025 MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 24 CHARLES RIVER 08E031 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E035 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 15 TURTLE POND 08E035 NON MAJOR SHERRIN STREET WEST WEST ROXBURY 15 TURTLE POND 08E035 NON MAJOR SHERRIN STREET HYDE PARK 24 WETLANDS/CHARLES RIVER 08I153 NON MAJOR SHERRIN STREET HYDE PARK 24 WETLANDS/CHARLES RIVER 08I153 NON MAJOR DUXBURY ROAD NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 14 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER STIGLADESIDE AVE NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I15	06H106	NON MAJOR	OSCEOLA STREET	HYDE PARK	24	NEPONSET RIVER
07H105 MAJOR EASEMENT/EDGEWATER/S RIVER ST NEPONSET/MATTAPAN 102X72 NEPONSET RIVER 07H285 MAJOR BLUE HILL AVE NEPONSET/MATTAPAN 106X63 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H347 NON MAJOR EDGEWATER DRIVE/FUDALIAN STREET NEPONSET/MATTAPAN 21 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVE/FOPALIAN STREET NEPONSET/MATTAPAN 24 NEPONSET RIVER 08B122 MAJOR EASEMENT/NORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08B126 NON MAJOR SPRING STREET EXTENDED WEST ROXBURY 30 CHARLES RIVER 08C025 MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08E031 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E033 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 15 TURTLE POND 08F001 NON MAJOR WASHINGTON STREET WE			EASEMENT/BELNEL RD	HYDE PARK	24	
07H285 MAJOR BLUE HILL AVE NEPONSET/MATTAPAN 106X63 NEPONSET RIVER 07H346 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H347 NON MAJOR EDGEWATER DRIVE/BURMAH ROAD NEPONSET/MATTAPAN 21 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVE/TOPALIAN STREET NEPONSET/MATTAPAN 24 NEPONSET RIVER 08B122 MAJOR EASEMENT/NORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08B126 NON MAJOR SPRING STREET EXTENDED WEST ROXBURY 30 CHARLES RIVER 08C025 MAJOR WEDGEMER ROAD WEST ROXBURY 24 CHARLES RIVER 08E026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08E031 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E033 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 15 TURTLE POND 08F001 NON MAJOR WASHINGTON STREET WEST ROXBURY <t< td=""><td></td><td></td><td></td><td></td><td>1</td><td></td></t<>					1	
07H346 NON MAJOR EDGEWATER DRIVE/HOLMFIELD AVE HYDE PARK 18 NEPONSET RIVER 07H347 NON MAJOR EDGEWATER DRIVE/BURMAH ROAD NEPONSET/MATTAPAN 21 NEPONSET RIVER 07H348 NON MAJOR EDGEWATER DRIVE/TOPALIAN STREET NEPONSET/MATTAPAN 24 NEPONSET RIVER 08B122 MAJOR EASEMENT/NORTH OF SPRING ST. WEST ROXBURY 30 CHARLES RIVER 08B126 NON MAJOR SPRING STREET EXTENDED WEST ROXBURY 30 CHARLES RIVER 08C025 MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C026 NON MAJOR WEDGEMERE ROAD WEST ROXBURY 24 CHARLES RIVER 08C031 NON MAJOR TURTLE POND PARKWAY WEST ROXBURY 18 TURTLE POND 08E033 NON MAJOR WASHINGTON STREET WEST ROXBURY WEST ROXBURY UNKNOWN TURTLE POND 08E035 NON MAJOR WASHINGTON STREET WEST ROXBURY 15 TURTLE POND 08F001 NON MAJOR SHERRIN STREET HYDE PARK 24 WETLANDS/CHARLES RIVER 08I153 NON MAJOR DUXBURY ROAD NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I154 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 24 NEPONSET RIVER 08I155 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I158 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I159 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I156 NON MAJOR EASEMENT/RIVER ST/MAMELON CIR NEPONSET/MATTAPAN 18 NEPONSET RIVER 08I157 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 15 NEPONSET RIVER 08I159 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 15 NEPONSET RIVER						
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07H348NON MAJOREDGEWATER DRIVE/TOPALIAN STREETNEPONSET/MATTAPAN24NEPONSET RIVER08B122MAJOREASEMENT/NORTH OF SPRING ST.WEST ROXBURY30CHARLES RIVER08B126NON MAJORSPRING STREET EXTENDEDWEST ROXBURY30CHARLES RIVER08C025MAJORWEDGEMERE ROADWEST ROXBURY24CHARLES RIVER08C026NON MAJORWEDGEMERE ROADWEST ROXBURY24CHARLES RIVER08E031NON MAJORTURTLE POND PARKWAYWEST ROXBURY18TURTLE POND08E033NON MAJORTURTLE POND PARKWAYWEST ROXBURYUNKNOWNTURTLE POND08E035NON MAJORWASHINGTON STREETWEST ROXBURY15TURTLE POND08F001NON MAJORSHERRIN STREETHYDE PARK24WETLANDS/CHARLES RIVER08I153NON MAJORDUXBURY ROADNEPONSET/MATTAPAN15NEPONSET RIVER08I154NON MAJOREASEMENT/RIVER ST/GLADESIDE AVENEPONSET/MATTAPAN18NEPONSET RIVER08I155NON MAJOREASEMENT/RIVER ST/MAMBLON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I156NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER						
08B122MAJOREASEMENT/NORTH OF SPRING ST.WEST ROXBURY30CHARLES RIVER08B126NON MAJORSPRING STREET EXTENDEDWEST ROXBURY30CHARLES RIVER08C025MAJORWEDGEMERE ROADWEST ROXBURY24CHARLES RIVER08C026NON MAJORWEDGEMERE ROADWEST ROXBURY24CHARLES RIVER08E031NON MAJORTURTLE POND PARKWAYWEST ROXBURY18TURTLE POND08E033NON MAJORTURTLE POND PARKWAYWEST ROXBURYUNKNOWNTURTLE POND08E035NON MAJORWASHINGTON STREETWEST ROXBURY15TURTLE POND08F001NON MAJORSHERRIN STREETHYDE PARK24WETLANDS/CHARLES RIVER08I153NON MAJORDUXBURY ROADNEPONSET/MATTAPAN15NEPONSET RIVER08I154NON MAJOREASEMENT/RIVER ST/GLADESIDE AVENEPONSET/MATTAPAN18NEPONSET RIVER08I155NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I158NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN18NEPONSET RIVER08I159NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER					t	
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08F001NON MAJORSHERRIN STREETHYDE PARK24WETLANDS/CHARLES RIVER08I153NON MAJORDUXBURY ROADNEPONSET/MATTAPAN15NEPONSET RIVER08I154NON MAJOREASEMENT/RIVER ST/GLADESIDE AVENEPONSET/MATTAPAN18NEPONSET RIVER08I155NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I156NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I158NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER	08E033	NON MAJOR	TURTLE POND PARKWAY	WEST ROXBURY	UNKNOWN	TURTLE POND
08I153NON MAJORDUXBURY ROADNEPONSET/MATTAPAN15NEPONSET RIVER08I154NON MAJOREASEMENT/RIVER ST/GLADESIDE AVENEPONSET/MATTAPAN18NEPONSET RIVER08I155NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I156NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I158NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER	08E035	NON MAJOR		WEST ROXBURY	15	TURTLE POND
08I154NON MAJOREASEMENT/RIVER ST/GLADESIDE AVENEPONSET/MATTAPAN18NEPONSET RIVER08I155NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I156NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I158NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER			†			
08I155NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I156NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I158NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER					1	
08I156NON MAJOREASEMENT/RIVER ST/MAMELON CIRNEPONSET/MATTAPAN24NEPONSET RIVER08I158NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER						
08I158NON MAJOREASEMENT/RIVER ST/FREMONT STNEPONSET/MATTAPAN18NEPONSET RIVER08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER					t	
08I207NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN15NEPONSET RIVER08I209NON MAJORMEADOWBANK AVE EXTNEPONSET/MATTAPAN12NEPONSET RIVER					1	
081209 NON MAJOR MEADOWBANK AVE EXT NEPONSET/MATTAPAN 12 NEPONSET RIVER						
			i		1	
INON MA IOR I INON MA IOR I INON MA IOR I INCOME IN	08J041	NON MAJOR	RIVER STREET	DORCHESTER	18	NEPONSET RIVER

Table 1-1. BWSC Stormwater Outfalls

	1			SIZE	
OUTFALL NUMBER		LOCATION	NEIGHBORHOOD	(INCHES)	RECEIVING WATER
08J102	NON MAJOR	ADAMS STREET	DORCHESTER	15X15	NEPONSET RIVER
08J103	NON MAJOR	EASEMENT/CENTRAL AVE BRIDGE	DORCHESTER	30	NEPONSET RIVER
08J49/50 08K049	MAJOR NON MAJOR	DESMOND RD BEARSE AVENUE	DORCHESTER DORCHESTER	2-18&24 12	NEPONSET RIVER NEPONSET RIVER
09B049	MAJOR	EASEMENT/RIVERMOOR ST	WEST ROXBURY	30	COW ISLAND POND/CHARLES RIVER
09E229	NON MAJOR	GRANDVIEW STREET	WEST ROXBURY	12	NONE SHOWN
09E243	NON MAJOR	BLUE LEDGE TR/EASEMENT	WEST ROXBURY	30	UNNAMED STREAM
09K016	NON MAJOR	EASEMENT/BEARSE AVE EXT	DORCHESTER	15	NEPONSET RIVER
09K100	MAJOR	EASEMENT/MELLISH RD	DORCHESTER	34X24	NEPONSET RIVER
09K101	NON MAJOR	EASEMENT/HUNTOON ST EXT	DORCHESTER	24	NEPONSET RIVER
09L095	MAJOR	GRANITE AVENUE	DORCHESTER	36X48	NEPONSET RIVER
10B015	MAJOR	EASEMENT/CHARLES RIVER ROAD	WEST ROXBURY	21	COW ISLAND POND/CHARLES RIVER
10L094	MAJOR	EASEMENT/GALLIVAN BLVD	DORCHESTER DORCHESTER	74X93 36	NEPONSET RIVER VIA DAVENPORT BROOK
10L096 11B123	MAJOR MAJOR	HILLTOP & LEXONDALE STS EASEMENT/EAST OF BAKER ST EXT.	WEST ROXBURY	72	NEPONSET RIVER BROOK FARM BROOK/CHARLES RIVER
11G344 (11G318@MH11G247)	NON MAJOR	CULVERT UNDER WALK HILL STREET	ROSLINDALE	24	CANTERBURY BROOK
11G344 (11G319@MH11G246)	NON MAJOR	CULVERT UNDER WALK HILL STREET	ROSLINDALE	18	CANTERBURY BROOK
11 577	MAJOR	HARVARD ST	NEPONSET/MATTAPAN	102X102	CANTERBURY BROOK
11M093	MAJOR	NEPONSET AVE AT NW END OF NEPONSET AVE BRIDGE	DORCHESTER	48	NEPONSET RIVER
12B010	NON MAJOR	BAKER STREET	WEST ROXBURY	15	BROOK FARM BROOK
12B014	NON MAJOR	BAKER STREET	WEST ROXBURY	12	BROOK FARM BROOK
12B033	NON MAJOR	EASEMENT/BAKER STREET	WEST ROXBURY	18	BROOK FARM BROOK
12B124	MAJOR	EASEMENT/LAGRANGE STREET	WEST ROXBURY	120	BROOK FARM BROOK
12F305	NON MAJOR	EASEMENT/ARBOROUGH ROAD	ROSLINDALE	12	UNAMED WETLANDS
12E418	NON MAJOR	EASEMENT/WALTER STREET (renumbered from 12F322)	ROSLINDALE	18	NONE SHOWN
12H001 (12H085@MH12H26)	NON MAJOR	MORTON STREET	ROSLINDALE	15	CANTERBURY BROOK
12H001 (12H087@MH12H27)	NON MAJOR	MORTON STREET	ROSLINDALE	15	CANTERBURY BROOK
12H092	MAJOR	AMERICAN LEGION HIGHWAY	WEST ROXBURY	24	CANTERBURY BROOK
12L092	MAJOR	PINE NECK CREEK/TENEAN ST WEST OF LAWLEY	DORCHESTER	72	NEPONSET RIVER
12M091 13B011	MAJOR NON MAJOR	ERICSSON/WALNUT ST LAGRANGE STREET	NEPONSET/MATTAPAN WEST ROXBURY	36 12	NEPONSET RIVER UNNAMED STREAM
13D077	MAJOR	WEST ROXBURY PKY/VFW PKY	WEST ROXBURY	60	BUSSEY BROOK
13D078	MAJOR	WEST ROXBURY PKY/VFW PKY	WEST ROXBURY	60	BUSSEY BROOK
13E174	NON MAJOR	EASEMENT/VFW PARKWAY			BUSSEY BROOK
13E175	MAJOR	EASEMENT/VFW PKY	ROSLINDALE	108X86	BUSSEY BROOK
13E176	NON MAJOR	EASEMENT/WELD ST	ROSLINDALE	15	NONE SHOWN
13F011	NON MAJOR	ALLANDALE STREET	ROSLINDALE	24	BUSSEY BROOK
13F093 (13F012)	NON MAJOR	WALTER STREET	ROSLINDALE	15	BUSSEY BROOK
13F095	NON MAJOR	EASEMENT/BUSSEY STREET	ROSLINDALE	12	BUSSEY BROOK
13F096	NON MAJOR	SOUTH STREET	ROSLINDALE	12	BUSSEY BROOK
13F097	NON MAJOR	SOUTH STREET	ROSLINDALE	6	BUSSEY BROOK
13L090	MAJOR	VICTORY RD. 200 FT SOUTH	DORCHESTER	144X180	DORCHESTER BAY
14C009	MAJOR	EASEMENT/WESTGATE RD	WEST ROXBURY	36	UNNAMED WETLANDS
15F288	MAJOR	ARNOLD ARBORETUM/MURRAY CIRCLE	JAMAICA PLAIN	54	GOLDSMITH BROOK
15L088	MAJOR MAJOR	FREEPORT WAY EXTENDED	DORCHESTER	2-78" 2-90X82"	DORCHESTER BAY
15L089 16L097	NON MAJOR	FOX POINT RD EXTENDED EASEMENT/OFF SAVIN HILL AVE	DORCHESTER DORCHESTER	2-90/62	DORCHESTER BAY PATTEN'S COVE
16L122	MAJOR	MORRISSEY BLVD DRAIN	DORCHESTER	TWIN 9X8	DORCHESTER BAY
17F012	NON MAJOR	FRANCIS PARKMAN DRIVE	JAMAICA PLAIN	15	JAMAICA POND
17M033	MAJOR	HARBOR POINT PARK (RELOCATED MT VERNON ST DRAIN)	DORCHESTER	72	OLD HARBOR
18G233	NON MAJOR	X-COUNTRY BTN WILLOW POND RD AND JAMAICAWAY	JAMAICA PLAIN	18	MUDDY RIVER-LEVERETT POND
19G043	MAJOR	HUNTINGTON AVE	ROXBURY/MISSION HILL	45X45	MUDDY RIVER
19G194	MAJOR	SOUTH HUNTINGTON AVE	ROXBURY/MISSION HILL	24	MUDDY RIVER
19G199	NON MAJOR	JAMAICA WAY	ROXBURY/MISSION HILL	10	MUDDY RIVER
20G161	MAJOR	EASEMENT/BROOKLINE AVE	ROXBURY/MISSION HILL	36	MUDDY RIVER
20G163	NON MAJOR	EASEMENT/RIVERWAY	ROXBURY/MISSION HILL	20	MUDDY RIVER
20G164	NON MAJOR	BROOKLINE AVENUE	ROXBURY/MISSION HILL		MUDDY RIVER
21C212	NON MAJOR	EASEMENT/LAKE SHORE ROAD		30	CHANDLER POND
21H039 (21H045)	NON MAJOR	FENWAY	BOSTON PROPER	30X30	MUDDY RIVER
21H047	NON MAJOR NON MAJOR	PALACE ROAD EXT	BOSTON PROPER	24 15	MUDDY RIVER
21H048 21K069	MAJOR	EASEMENT/FENWAY/EVANS WAY 125' NORTH OF W.FOURTH STREET (RELOCATED BY CA/T)	BOSTON PROPER BOSTON PROPER	15 48	MUDDY RIVER FORT POINT CHANNEL
21M010	MAJOR	D STREET EXTENDED	SOUTH BOSTON	30	RESERVED CHANNEL
21M050	MAJOR	SUMMER STREET	SOUTH BOSTON	72	RESERVED CHANNEL
22C384	MAJOR	EASEMENT/LAKE SHORE RD	ALLSTON/BRIGHTON	36	CHANDLER POND
22L580	MAJOR	NECCO STREET EXTENDED	SOUTH BOSTON	54	FORT POINT CHANNEL
23G132	MAJOR	EASEMENT/MASS TURNPIKE/WEST OF BU BRIDGE	ALLSTON/BRIGHTON	60	CHARLES RIVER
23H040	NON MAJOR	RALEIGH STREET EXT	BOSTON PROPER	24	CHARLES RIVER
23H042	MAJOR	DEERFIELD ST	BOSTON PROPER	116X120	CHARLES RIVER
23H042 23L015		DEERFIELD ST NORTHERN AVE			BOSTON INNER HARBOR
			SOUTH BOSTON SOUTH BOSTON		

Table 1-1. BWSC Stormwater Outfalls

	1	1	1	SIZE	ı			
OUTFALL NUMBER		LOCATION	NEIGHBORHOOD	(INCHES)	RECEIVING WATER			
		CONGRESS ST BRIDGE	BOSTON PROPER	48	FORT POINT CHANNEL			
23L195	MAJOR	NORTHERN AVE	SOUTH BOSTON	36	BOSTON INNER HARBOR			
23L196	MAJOR	NEW NORTHERN AVE BRIDGE	SOUTH BOSTON	36	FORT POINT CHANNEL			
23L202	MAJOR	NORTHERN AVE	SOUTH BOSTON 36 BOSTON					
24C039	NON MAJOR	NEWTON ST	ALLSTON/BRIGHTON	21	CHARLES RIVER			
24C174	NON MAJOR	EASEMENT/NEWTON STREET	ALLSTON/BRIGHTON	24	CHARLES RIVER			
24D032	MAJOR	N OF BEACON ST, ABOUT 800' E OF PARSONS ST	ALLSTON/BRIGHTON	119X130	CHARLES RIVER			
24D150	MAJOR	SOLDIERS FIELD PLACE	ALLSTON/BRIGHTON	36	CHARLES RIVER			
24G034	MAJOR	SOLDIERS FIELD ROAD, S OF CAMBRDIGE ST	ALLSTON/BRIGHTON	36	CHARLES RIVER			
24G035	MAJOR	SOLDIERS FIELD ROAD/BABCOCK ST	ALLSTON/BRIGHTON	90X84	CHARLES RIVER			
24L022	MAJOR	COURTHOUSE WAY	SOUTH BOSTON	48	BOSTON HARBOR			
24L233	MAJOR	ROWE'S WHARF/ATLANTIC AVE	BOSTON PROPER	42	BOSTON HARBOR			
25D040	MAJOR	ABOUT 390' N OF INTERSECTION OF SOLDIERS FIELD & WESTERN AVE	ALLSTON/BRIGHTON	36	CHARLES RIVER			
25E037	MAJOR	EASEMENT/TELFORD ST	ALLSTON/BRIGHTON	66	CHARLES RIVER			
25G041	NON MAJOR	SOLDIERS FIELD RD/NORTH OF WESTERN AVE BRIDGE	ALLSTON/BRIGHTON	24	CHARLES RIVER			
25L058	MAJOR	CHRISTOPHER COLUMBUS PARK-WATERFRONT	BOSTON PROPER	84	BOSTON INNER HARBOR			
25L144	NON MAJOR	CLARK STREET	BOSTON PROPER	12	BOSTON INNER HARBOR			
25M006	MAJOR	MARGINAL ST EXT	EAST BOSTON	36	BOSTON INNER HARBOR			
25M007	MAJOR	MARGINAL ST EXT (NEAR ORLEANS ST)	EAST BOSTON	42	BOSTON INNER HARBOR			
26F038	MAJOR	HARVARD ST EXT	ALLSTON/BRIGHTON	36	CHARLES RIVER			
26G001	MAJOR	SOLDIERS FIELD ROAD/EAST OF HARVARD UNIVERSITY	ALLSTON/BRIGHTON	36	CHARLES RIVER			
26J049	MAJOR	NASHUA STREET	BOSTON PROPER	60	CHARLES RIVER			
26J052	NON MAJOR	MONSIGNOR O'BRIEN HWY	BOSTON PROPER	12	CHARLES RIVER			
26J101 (replaced 26J055)	MAJOR	LEVERETT CIRCLE	BOSTON PROPER	36	BOSTON INNER HARBOR			
26K035	MAJOR	BEVERLY STREET NEAR WARREN BRIDGE	BOSTON PROPER	48x72	CHARLES RIVER			
26K050	MAJOR	NASHUA STREET	BOSTON PROPER	36	CHARLES RIVER			
26K052	NON MAJOR	COMMERCIAL STREET AT CHARTER ST.	BOSTON PROPER	16x24	CHARLES RIVER			
26K099	MAJOR	WARREN ST EXT (FORMERLY CHELSEA ST/JOINER EXT)	CHARLESTOWN	84	CHARLES RIVER			
26K254	MAJOR	NORTH WASHINGTON ST BRIDGE	CHARLESTOWN	36	BOSTON HARBOR			
26L106	MAJOR	NEAR BATTERY WHARF	BOSTON PROPER	24X24	BOSTON INNER HARBOR			
26L070	MAJOR	HANOVER ST EXT	BOSTON PROPER	36	BOSTON INNER HARBOR			
26L084	MAJOR	LEWIS STREET	EAST BOSTON	18	BOSTON INNER HARBOR			
27J001	MAJOR	EASEMENT/INTERSTATE 93	CHARLESTOWN	72	MILLERS RIVER			
27J044	MAJOR	PRISON POINT BRIDGE	CHARLESTOWN	15	MILLERS RIVER			
27J096	MAJOR	EASEMENT/INTERSTATE 93	CHARLESTOWN	54	MILLERS RIVER			
27L020/22	MAJOR	PIER 4 EASEMENT - NAVY YARD	CHARLESTOWN	2-20&24	BOSTON INNER HARBOR			
28K010	MAJOR	OLD LANDING WAY EXT	CHARLESTOWN	42	LITTLE MYSTIC CHANNEL			
28K061	MAJOR	EASEMENT/MEDFORD ST/OLD IRONSIDE	CHARLESTOWN	42	LITTLE MYSTIC CHANNEL			
28K386	MAJOR	EASEMENT/TERMINAL ST	CHARLESTOWN	30	LITTLE MYSTIC CHANNEL			
28L073	NON MAJOR	EASEMENT/5TH AVE - NAVY YARD	CHARLESTOWN	6	LITTLE MYSTIC CHANNEL			
28L074/075/076	MAJOR	16TH ST/5TH AVE - NAVY YARD	CHARLESTOWN	3-30	LITTLE MYSTIC CHANNEL			
28L077	NON MAJOR	EASEMENT/16TH ST - NAVY YARD	CHARLESTOWN	10	LITTLE MYSTIC CHANNEL			
28N156	NON MAJOR	COLERIDGE ST EXT	EAST BOSTON	12	BOSTON HARBOR			
28N207	MAJOR	MOORE ST	EAST BOSTON	54X57	BOSTON HARBOR			
280025	NON MAJOR	COLERIDGE/WADSWORTH ST. EXT	EAST BOSTON	30	BOSTON HARBOR			
28P001	NON MAJOR	EASEMENT/NANCIA STREET	EAST BOSTON	12	BOSTON HARBOR			
29J029	NON MAJOR	ALFORD STREET/RYAN PLGD	CHARLESTOWN	15	MYSTIC RIVER			
29J129	MAJOR	ALFORD STREET SOUTH	CHARLESTOWN	15	MYSTIC RIVER			
29J212	MAJOR	EASEMENT/MEDFORD ST(NEXT TO CSO 017)	CHARLESTOWN	72	MYSTIC RIVER			
29M049	MAJOR	CONDOR STREET	EAST BOSTON	48	CHELSEA RIVER			
29N015	MAJOR	CHELSEA STREET	EAST BOSTON	42X44.5	CHELSEA RIVER			
29N135	MAJOR	ADDISON ST	EAST BOSTON	30X30	CHELSEA RIVER			
290001	MAJOR	BENNINGTON ST (CONSTITUTION BEACH)	EAST BOSTON	66	BOSTON HARBOR NEAR CONSTITUTION BEACH			
29P005	NON MAJOR	SARATOGA STREET	EAST BOSTON	12	BOSTON HARBOR			
29P044	NON MAJOR	SHAWSHEEN ST	EAST BOSTON	12	BOSTON HARBOR			
30J006		EASEMENT/ALFORD ST/EVERETT	CHARLESTOWN	18	MYSTIC RIVER			
	MAJOR	<u> </u>						
30J019	MAJOR MAJOR	ALFORD ST/NORTH	CHARLESTOWN	15	MYSTIC RIVER			
			CHARLESTOWN CHARLESTOWN	15 42	MYSTIC RIVER MYSTIC RIVER			
	MAJOR	ALFORD ST/NORTH						
30J019 30J030 30P062 30P107	MAJOR MAJOR	ALFORD ST/NORTH EASEMENT/ARLINGTON AVE	CHARLESTOWN	42	MYSTIC RIVER			
30J030 30P062	MAJOR MAJOR NON MAJOR	ALFORD ST/NORTH EASEMENT/ARLINGTON AVE PALERMO AVE EXT	CHARLESTOWN EAST BOSTON	42 12	MYSTIC RIVER WETLANDS			

Table 1-2. BWSC Interconnections

	INTERCONNECT-			
INTERCONNECTION	ING MANHOLE NUMBER	LOCATION	NEIGHBORHOOD	RECEIVING WATER
DCR 02F099	02FMH120	NEPONSET VALLEY PARKWAY	HYDE PARK	DCR DRAIN TO NEPONSET
DCR 03F159	03FMH056	WAKEFIELD AVENUE	HYDE PARK	DCR DRAIN TO NEPONSET
DCR 03F162	04FMH090	FARADAY STREET	HYDE PARK	DCR DRAIN TO NEPONSET
Dedham Drains	06CMH117	WASHINGTON ST NEAR MESHAKA ST	WEST ROXBURY	INTO DEDHAM
Dedham Drains	06DMH097	EDGEMERE RD. EXTENDED	WEST ROXBURY	INTO DEDHAM
DCR 11B028	11BMH049	VFW PKWY @ GLENHAM ST	WEST ROXBURY	DCR DRAIN TO CHARLES
DOT 12L296	12LMH374	CONLEY STREET	DORCHESTER	DCR DRAIN TO DORCHESTER BAY
DCR 13L137	12LMH304	TENEAN STREET	DORCHESTER	DCR DRAIN TO DORCHESTER BAY
Brookline Drains	14EMH036	PAYSON ROAD @ HACKENSACK ROAD	WEST ROXBURY	TO BROOKLINE DRAINS
Brookline Drains	20DMH019	PRENDERGAST AVE (BC/CHESTNUT HILL RESERVOIR)	BRIGHTON	TO BROOKLINE DRAINS
Brookline Drains	20DMH055	VILLAGE BROOK-STRATHMORE	BRIGHTON	BROOKLINE DRAINS TO VILLAGE BROOK
Brookline Drains	20DMH062	VILLAGE BROOK-ENGLEWOOD AT KILSYTH	BRIGHTON	BROOKLINE DRAINS TO VILLAGE BROOK
Brookline Drains	21DMH319	VILLAGE BROOK-KILSYTH	BRIGHTON	BROOKLINE DRAINS TO VILLAGE BROOK
Brookline Drains	21EMH064	TANNERY BROOK	BRIGHTON	BROOKLINE DRAINS TO TANNERY BROOK
Brookline Drains	21EMH086	VILLAGE BROOK-CUMMINGS	BRIGHTON	BROOKLINE DRAINS TO VILLAGE BROOK
Newton Drains	23BMH089	HUNNEWELL AVENUE	BRIGHTON	TO NEWTON DRAINS
DCR 23I019	23HMH081	BEACON STREET	BACK BAY	DCR DRAIN TO MUDDY RIVER
Somerville Drains	28IMH015	ROLAND STREET	CHARLESTOWN	TO SOMERVILLE DRAINS

Table 1-3. Combined Sewer Overflow Outfalls

CSO			
OUTFALL NUMBER	STREET LOCATION	NEIGHBORHOOD	RECEIVING WATERS
18LCSO086	Carson Beach Bath House	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY
19LCSO084	Day BLVD @ H St	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY
19LCSO085	Babe Ruth Park Dr	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY
19MCSO082	Day BLVD @ N St	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY
19MCSO083	K St Community Center	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY
19NCSO081	Public Landing Near Farragut	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY
21KCSO070	West 4th Street	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL
21LCSO076	E Street	SOUTH BOSTON	BOSTON HARBOR/RESERVED CHANNEL
21MCSO078	Summer St	SOUTH BOSTON	BOSTON HARBOR/RESERVED CHANNEL
21MCSO078	Summer St	SOUTH BOSTON	BOSTON HARBOR/RESERVED CHANNEL
21NCSO080	Massport Entrance	EAST BOSTON	BOSTON HARBOR/RESERVED CHANNEL
22KCSO065	25 Dorchester Ave	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL
22KCSO068	Near Hwy on ramp	CENTRAL	BOSTON HARBOR/FORT POINT CHANNEL
22KCSO072	1 Gillette Pk	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL
22LCSO073	1 Gillette Pk	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL
23LCSO062	Under Seaport Blvd Bridge	CENTRAL	BOSTON HARBOR/FORT POINT CHANNEL
23LCSO064	245 Summer St	CENTRAL	BOSTON HARBOR/FORT POINT CHANNEL
24LCSO060	Aguarium	CENTRAL	BOSTON HARBOR/INNER HARBOR
24NCSO003	Hyatt Hotel Harborway	EAST BOSTON	BOSTON HARBOR/INNER HARBOR
25LCSO057	Eastern Ave	CENTRAL	BOSTON HARBOR/INNER HARBOR
25MCSO005	Porzio Park	EAST BOSTON	BOSTON HARBOR/INNER HARBOR
25NCSO004	MassPort Harbor Walk	EAST BOSTON	BOSTON HARBOR/INNER HARBOR
26LCSO009	Sumner St at New St	EAST BOSTON	BOSTON HARBOR/INNER HARBOR
27LCSO010	141 Border St	EAST BOSTON	BOSTON HARBOR/INNER HARBOR
28LCSO012	Border St at Middle School	EAST BOSTON	BOSTON HARBOR/INNER HARBOR
28LCSO019	Chelsea St at 16th St	CHARLESTOWN	BOSTON HARBOR/INNER HARBOR
29JCSO017	545 Medford St	CHARLESTOWN	MYSTIC RIVER
29MCSO013	Under Meridian St Bridge	EAST BOSTON	CHELSEA CREEK
29NCSO014	Chelsea St. at East Eagle	EAST BOSTON	CHELSEA CREEK
21HCSO046	The Fenway	FENWAY	CHARLES VIA MUDDY RIVER

	E.Coli
	E.Coli 10 Ing water in 4EMH68. Could not access 4EMH67 due to car. E.Coli <10 E.Coli <10 E.Coli <10 E.Coli >80,000 Im North-east inlet E.Coli >80,000 Im North-east inlet E.Coli >80,000 Im North-east inlet E.Coli 500 Isediments and organic debris deposits. Cleaning suggested. In Verom 12 SE inlet. E.Coli 500 Isediments and organic debris deposits. Cleaning suggested. In Verom 12 SE inlet. E.Coli 500 Isediments and organic debris deposits. Cleaning suggested. In Verom 12 SE inlet. E.Coli 500 Isediments and organic debris deposits. Cleaning suggested. E.Coli 500 Isediments and organic debris deposits. Cleaning suggested. E.Coli 350 Isediments and organic debris deposits. Cleaning suggested. E.Coli 230 Isediments and organic debris deposits. Cleaning suggested. E.Coli 230 Isediments and organic debris deposits. Cleaning suggested. E.Coli 210 E.Coli 270 E.Coli 270 E.Coli 270 E.Coli 270 E.Coli 270 Isediments and organic debris deposits. Defined filled and 20% of pipe outlet filled. E.Coli 280 Isediments and organic debris deposits. DMH 06H025 observed dry. Expect of the color of the c
	rived dry. Sediment/rock obstruction observed at 4FMH208. Suggest cleaning at outfall discharge. Standing water in 4FMH200 E. Coli
	E.Coli \$80,000
	istanding water both inlets. E.Coli 350 E.Coli 60 ad, some suspended trash observed. also observed with standing water. winstream MH not accessible due to trailer. NE E.Coli 230 ling water. Both inlets observed dry. E.Coli < 10 E.Coli 270 E.Coli 270 E.Coli 540 Ifeatures. E.Coli < 10 E.Coli 540 I.Coli 540 I.Coli 540 I.Coli 540 I.Coli 500 I.Coli 500 I.Coli 500 I.Coli 500 I.Coli 500 I.Coli 60 I.Coli 60 I.Coli 280 I.C
Part	E.Coli < 10 E.Coli 270 E.Coli 540 E.Coli <10 E.Coli <10 E.Coli 540 Ifeatures. E.Coli <10 E.Coli
Column C	E.Coli <10 E.Coli <10 E.Coli <10 E.Coli <10 Estream manhole dry and full of sediment. 50% of pipe inlet filled and 20% of pipe outlet filled. Example of pipe inlet filled and 20% of pipe outlet filled. E.Coli 60,000 E.Coli 60 E.Coli 280 E.Coli 280 E.Coli 160 E.Coli 160 E.Coli 280 E.Coli 20 E.Coli 20 Exercited standing water with large sediment deposits. DMH 06H025 observed dry.
Column C	arated joints at segment connections. E.Coli 60,000 E.Coli 60 E.Coli 280 gns of overflow. E.Coli 160 E.Coli 160 E.Coli 280 ger in field, round. E.Coli >80,000 E.Coli 20 Exerced standing water with large sediment deposits. DMH 06H025 observed dry.
	E.Coli 60 E.Coli 280 gns of overflow. E.Coli 160 E.Coli >80,000 er in field, round. E.Coli 20 erved standing water with large sediment deposits. DMH 06H025 observed dry.
Control Cont	erved standing water with large sediment deposits. DMH 06H025 observed dry.
Control Cont	
Property	t, less than 1% of pipe, no water at pipe outlet. Also checked 08BMH037 which also had no flow. E.Coli E.Coli 10
Part	E.Coli 30 E.Coli <10
Property of the control of the con	E.Coli 190 E.Coli 16,000
Control Cont	pipe broken off. Outfall far enough up wall to prevent tidal impact. E.Coli 1,500 E.Coli <10 e with suspended trash, inlets in MH observed dry, outlet 100% submerged. Unmapped inlet from NW.
SECONS S	E.Coli Coli
16SD0344 CULVERT UNDER WALK HILL STREET CANTERBURY BROOK SD 55/2015 No No No Ves No No No Ves No No No Ves No No No No No No No N	Enterococci 670 Enterococci 2,000
ISunv 169 ISunv 169 ISunv 169 ISunv 169 ISunv 169 ISunv 169 ISUN ISUN ISUN ISUN ISUN ISUN ISUN ISUN	E.Coli >80000 Enterococci 150 sitive flow observed. No upstream MH's to ched E.Coli 680
1285014 BACE STREET BROOK FAM BROOK SD 5/5/2015 Yes No Ves Ves No No No No No No No N	E.Coli 380 apped as going to OF 12B031. E.Coli <10 e, raised outlet pipe dry.
Clear Standing Water Submerged 100 Standing Water Submerged 100 Standing Water Submerged 100 Standing Water Submerged 100 Standing Water Standing Water Submerged 100 Standing Water Submerged Standing Water Submerged 100 Standing Water Submerged 100 Standing Water Submerged Submerged Standing Water Submerged Standing Water Submerged Submerged Standing Water Submerged Submerged	ge, unable to see inlet or outlet. am MH's do not exist as mapped. E.Coli 11,000
13DSDO077 WEST ROXBURY PKY/FW PKY BUSSEY BROOK SD 5/11/2015 Yes No Yes Yes 40 3 Round Concrete Normal Manhole Standing Water Summy 71 548 Hours Concrete Normal No Standing Water Summy 71 548 Hours Concrete Normal No Standing Water Summy 71 548 Hours Concrete Normal No Standing Water Summy 71 548 Hours Concrete Normal No Standing Water Summy S	and 13B010, unable to locate 13B014. Inlet and outlet only have 10% sediment, invert had 100% sedim O 13D077 and SDO 13D078. E.Coli 2,900 Yes 1,800 ith positive flow.□
13ESD0176 EASEMENT/WELD ST NONE SHOWN SD 5/14/2015 No No Yes	46 observed with standing H2O.
Summy Fig. Summ	E.Coli 4,500 Enterococci <10 Enterococci 580
FLSDO097 EASEMENT/OFF SAVIN HILL AVE PATTEN'S COVE SDO 6/24/2015 No Ves Ves Ves No DCRIESTER BAY SDO 6/24/2015 No Ves	Enterococci 580 Enterococci 340 Yes 430 Enterococci 60 E.Coli 460 Enterococci 50 E.Coli 57,000
18LCSO086 WILLIAM J DAY B L/D Dorchester Bay-North CSO 7/22/015 No Ves No No Ves No No Ves No No No No No No No N	Enterococci 160 E.Coli >80000 E.Coli 300
South Boston Dorchester Bay-North CSO 78/2015 No Yes No No Yes No No Yes No No Northernormal North	Entercocci <10 Entercocci <10 wing.
20DNP140 42 STRATHMORE ROAD BROOKLINE DAIRS TO VILLAGE BROOK Interconnet 577/2015 5 6 7.68 2510 14.9 1.57 There were san/concrete 20DNP140 42 STRATHMORE ROAD Round Flow Show 1.00 1.	deposits on the floor of the dry inlet pipe comi E.Coli 14,000 E.Coli 6,100 e Catch basins both were dry. ble to read. Ducks seen in the area. d, and was observed dry. E.Coli 130 E.Coli 40,000
Seminar Semi	E.Coli 35,000 E.Coli 62,000 rom list. E.Coli 6,200 rom list. E.Coli 14,000 rom list. E.Coli 1,300
21HSDO406 PARK DRVE MUDDY RVER SDO 1/22/2015 No No Ves	inlet. E.Coli 2,300 Enterococci 1,200 Yes 1,000 I. Could not access 21K487 due to cracked cover. Could not locate 21K486 or 21K489. Ebviewer. On old map tile 21L manhole is label Enterococci 50
South Sout	Enterococci 260
Sum	Enterococci 120 Enterococci 20 Enterococci 20 Enterococci 90 Enterococci <10 Enterococci <70
Same Flow	upstream features dry.
Salp	Enterococci 4,500 Enterococci <10 Enterococci 30
23.500 156 NCRTHERN AVE BIDGE FORT POINT CHANNEL SD 78.7015 No Fee No No No Slow S 10.0016 Normal No Slow S 5 Normal No No No Slow S 10.0016 Normal No	Enterococci <10 E.Coli 340 E.Coli <10
ABUSDO32 NOF BEACON ST, ABOUT 80° E OF PARSON ST ABOUT 80° E OF PARSO	E.Coli
24LSDQ33 ROWES WHARF/ALANTIC AVE BOSTON HARBOR SDO 7/8/2015 Ves Ves No No Standing Water Submerged 60 Other Unknown Other	nple taken from manhole located upstream of Enterococci 500 g in and out do to lake current. Standing water at upstream drain MH. E.Coli 50
SLCSOOF Central Interpretation Control	flowing out. Enterococci 20 Enterococci 510 Enterococci <10
25NCS0004 East Boston Inner Harbor Lower CSO 7/9/2015 Yes	Enterococci 490 Die. E.Coli 20 In Nashua St park sidewalk. Conduit, unable to see pipe. No water movement. Unable to locate any upst Enterococci 20 Yes 40
Clear None None Clear None Clear None Clear None Clear None	
Self-School	Enternococci 10
FASION F	observed in manhole upstream from outfall. Th Enterococci 6,640 Hs between sampling loc and OF. Standing water observed in MH. Pipe diameter was taken from map.
28KSDO010 Clo LANNE ST CHANNEL ST CHANN	bbserved in manhole upstream from outfall. Th Enterococci 6,640 Hs between sampling loc and OF. Standing water observed in MH. Pipe diameter was taken from map. 100% covering inlet from NE. Outlet observed dry. Unable to find upstream or downstream features. Enternococci 190 Enterococci 60 E.Coli 2,500 Enterococci >80000

Table 2-1. Dry Weather Screening Data 2015

									Sediment Depth Water			Pipe	Other							Duplicate
			Location Inspection Outfall Tidal Outfall Outfall Outfall If Yes Outfall	Other	Is Grate Condition	Air Temp Time Since Quantity	Time Low Sampling	If Flow If Subme	erged Depth plus Sed		Other Deposits	Manhole Diameter	Pipe Pipe	Other Pipe Other Samples						Result Sample
Facility ID	Street Location	Receiving Water	Type Date Sign Impact Located Accessible Submerged Percent Diameter Shape	Other Shape Material Material Condition-1 Other	Condition-1 Present of Grate Comments-1	Weather F Last Rain Rain 24h	Tide Location Is There F	low Velocity percent	percent percent Odor Other Odor	Color Other Color Clarity Turbidity	Turbidity Stains C	Other Deposits Stains Facility ID inches	Pipe Shape Shape Material	Material Condition Condition Collected	If No Reason Other Reason No Sample	Surfactants Ammonia Chlorine	pH Conductivity	Temperature Salinity	Comments	Type Bacteria CFU Collected Result CFU
28LSDO077	EASEMENT/4TH ST - NAVY YARD	LITTLE MYSTIC CHANNEL	SDO 5/27/2015 No Yes No No 0.83 Other	Unknown Other Unknown Other Unkno	own Unable to locate outfall.	Sunny 86 >48 Hours <0.1 Inch	1:17:00 PM Outfall							No	Other CNL				Couldn't locate outfall or upstream features.	
28NSDO156	COLERIDGE ST EXT	BOSTON HARBOR	SDO 6/11/2015 No Yes Yes Yes No 1 Round	I IConcrete I ICracking I	No	Sunny 80 >48 Hours <0.1 Inch	12:48:00 PM Outfall Dry	None	0 0 None		None			No	No Flow					
28NSDO207	MOORE ST	BOSTON HARBOR	SDO 7/7/2015 Yes Yes Yes No 4.5x4.75 Square	Concrete Normal	No	Sunny 68 >48 Hours <0.1 Inch	10:05:00 AM Outfall Flow	Moderate	10 I10 Other ISalt Water	Clear None	I Other IG	Green Algae		Yes		2 0.1 0	7 68 IOR	121.6 IOR		Enterococci 280
28OSDO25	COLERIDGE/WADSWORTH ST. EXT	BOSTON HARBOR	SDO 7/7/2015 No Yes Yes Yes No 2.5 Round	Concrete Normal	Yes Good	Cloudy 70 >48 Hours <0.1 Inch	10:05:00 AM Outfall Flow	Slow	5 15 Other Salt Water	Clear Clear Garbage	I Sediments I			Yes		1 0 0	7.77 OR	20.9 OR		Enterococci 30
28PSDO1	COLERIDGE/WADSWORTH ST. EXT EASEMENT/NANCIA STREET	BOSTON HARBOR NEAR CONSTIT	TUTION SDO 7/7/2015 No Yes Yes Yes No 1 Round	Metal Normal	No	Sunny 70 >48 Hours <0.1 Inch	10:05:00 AM Outfall Flow	Slow	1 5 Other Salt Water	Clear Clear None	Sediments			Yes		0.25 0.3 0	8.39 I OR	I20 IOR		Enterococci 18,000
29JCSO017	ICharlestown	Inner Harbor-Mystic/Chelsea	CSO	Concrete Normal	No	Sunny 75 >48 Hours <0.1 Inch	12:30:00 PM Outfall Flow	Slow	5 50 Other Salt Water	Clear None	Sediments			Yes		1.5 0 0	7.99 OR	19.7 OR		Enterococci 70
29JSDO029	ALFORD STREET/RYAN PLGD. EXT	MYSTIC RIVER	SDO 6/25/2015 No Yes Yes Yes No 1.25 Round	Concrete Normal	No	Sunny 79 >48 Hours <0.1 Inch	12:30:00 PM Outfall Dry	None	0 0 None		None			No	No Flow		0.05			
29JSDO129	ALFORD STREET	MYSTIC RIVER	SDO 6/25/2015 No Yes Yes Yes No 1.25 Round	Concrete Normal	No	Sunny 79 >48 Hours <0.1 Inch	12:30:00 PM Outfall Flow	Slow	0 2 Other Salt Water	Clear None	Other S	Seaweed		Yes		1 0.1 0	8.65 IOR	125.8 IOR	Green seaweed located in outfall	Enterococci 1,400
29JSDO212	EASEMENT/MEDFORD ST(NEXT TO CSO 017)	MYSTIC RIVER	SDO 6/25/2015 No Yes Yes Yes No 6 Round	Concrete Normal	No No	Sunny 75 >48 Hours <0.1 Inch	12:30:00 PM Outfall Flow	Slow	5 40 Other Salt Water	IClear I IClear INone	I ISediments I			Yes		1 0.1 0	7.89 I OR	118.7 O R		Enterococci 13,000
29MCSO013	East Boston CONDOR STREET	Inner Harbor-Mystic/Chelsea	CSO 7/7/2015 Yes Yes Yes No 2.5 Round	Concrete Normal	No No	Cloudy 70 >48 Hours <0.1 Inch	10:05:00 AM IOutfall IFlow	Slow	0 1 Other Salt Water	Clear None	None			Yes		1 0.3 0	7.94 I OR	I19.6 I OR		Enterococci 70
	CONDOR STREET	CHELSEA RIVER	SDO 7/7/2015 No Yes Yes Yes No 4 Round	Concrete Normal	Yes Good	Sunny 70 >48 Hours <0.1 Inch	10:05:00 AM Outfall Flow	Slow	5 I10 Other Salt Water	IClear I IClear IGarbage		Sediment and large rocks		Yes		1 0 0	7.68 OR	20.6 OR		Enterococci 190
[29NCSO014	East Boston	Inner Harbor-Mystic/Chelsea	CSO 7/8/2015 No Yes Yes Yes No 4 Round	Concrete Normal	Yes Poor Grate broken.	Sunny 84 >48 Hours <0.1 Inch	10:59:00 AM Outfall Flow	Slow	0 20 None	Clear None	None			Yes		1.5 0.4 0	7.06 8210	22.5 4.05		Enterococci 2,000
29NSDO015	CHELSEA STREET	CHELSEA RIVER	SDO 7/7/2015 No Yes Yes Yes No 5 Round	Concrete Normal	No No	Sunny 70 >48 Hours <0.1 Inch	10:05:00 AM Outfall Flow	Slow	0 5 Other Salt Water	Clear None	None			Yes		1 0 0	7.94 OR	20.4 OR		Enterococci 520
29NSDO135	ADDISON ST	CHELSEA RIVER	SDO 7/7/2015 No Yes Yes Yes No 2.5 Round	Concrete Normal	No No	Sunny 70 >48 Hours <0.1 Inch	10:05:00 AM Outfall Flow	Slow	0 5 Other Salt Water	Clear None	None			Yes		3 0.4 0	7.93 OR	23.2 OR		Enterococci 40
29OSDO001	BENNINGTON ST (CONSTITUTION BEACH)	BOSTON HARBOR NEAR CONSTIT	TUTION SDO 7/8/2015 No Yes No No Yes 100 5.5 Round	Other Unknown Other Unknr	own	Cloudy 72 >48 Hours <0.1 Inch	10:58:00 AM Manhole Flow	Moderate	0 5 None	Clear None	None	29OMH161 66	Round Other	Unknown Normal Yes		1 0.2 0	7.18 I 7920	22.8 4.04		Enterococci 390
29PSDO005	BELLE ISLE MARSH (SARATOGA ST)	BELLE ISLE INLET	SDO 7/8/2015 No Yes Yes Yes 90 UNK Other	Unknown Other Unknown Other Unknown	own	Cloudy 80 >48 Hours <0.1 Inch	10:58:00 AM Manhole Dry	None	0 0 None		None	29PMH079 12	Round VC	Normal No	No Flow					
29PSDO44	SHAWSHEEN ST	BOSTON HARBOR	SDO 7/8/2015 No Yes Yes Yes No 1 Round	I IMetal I Normal I	No	Cloudy 78 >48 Hours <0.1 Inch	10:58:00 AM Outfall Flow	Slow	0 1 None	IClear I None	None			Yes		0.5 0.8 0.1	7.81 I 3380	25.1 2.34		Enterococci 110
30JSDO19	ALFORD ST	MYSTIC RIVER	SDO 6/25/2015 Yes Yes Yes Yes No 1.25 Round	Concrete Normal	No No	Sunny 79 >48 Hours <0.1 Inch	12:30:00 PM Outfall Flow	Slow	I0 I1 Other ISalt Water	Clear None	I IOther IB	Barnacles		Yes		1 0 0	8.35 OR	25.2 OR		Enterococci 70
30JSDO30	EASEMENT/ARLINGTON AVE	MYSTIC RIVER	SDO 7/22/2015 No Yes No No 3.5 Other	Unknown Other Unknown Other Unkno	own Unable to locate outfall. Diameter taken from previous d	data. Sunny 77 >48 Hours <0.1 Inch	10:15:00 AM Manhole Flow	Slow	0 1 None	Clear None	I None I	30JMH26 48	Round Concrete	Normal Yes		1.5 0.8 0	7.08 I 5230	123.1 1 2.67		Enterococci 2,600
30JSDO6	TEASEMENT/ALFORD ST	MYSTIC RIVER	SDO 6/25/2015 No Yes Yes Yes No 1.5 Round	Concrete Normal	No	Sunny 79 >48 Hours <0.1 Inch	12:30:00 PM Outfall Flow	Heavy	0 20 Other Salt Water	Clear None	Other B	Barnacles		I Yes		1 0.1 0.1	7.74 I OR	119.3 I OR		Enterococci <10
	WALDEMAR AVENUE	WETLANDS	SDO 7/8/2015 No Yes Yes Yes Yes 40 1.25 Oval	Concrete Normal	No	Sunny 82 >48 Hours <0.1 Inch	10:58:00 AM Manhole Flow	Slow	0 1 None	Clear Clear None	None		Round VC	I INormal I IYes		0.25 0.2 0.2	7.68 I1635	126.4 10.775		Enterococci 400
30PSDO62	PALERMO AVE EXT	WETLANDS	SDO 7/8/2015 No Yes No No 1 Other	Unknown Other Unknown Other Unkno	own	Sunny 82 >48 Hours <0.1 Inch	10:58:00 AM Manhole Dry	None	0 5 None	IClear I IClear INone	None		Round I IConcrete	Normal No	No Flow	ļ			Standing water in MH. Outlet pipe of MH was dry so no sample by	because no flow.
31OSDO4	EASEMENT/WALDEMAR AVE	CHELSEA RIVER	SDO 7/8/2015 No Yes No No 1.25 Round	Concrete Normal	Unable to locate outfall due to reeds. Outfall diameter a	and materials take Sunny 84 >48 Hours <0.1 Inch	10:59:00 AM Manhole Flow	Moderate	0 1 None	IClear I IClear INone	None		Round PVC	Normal Yes		0 0.3 0.1	7.87 I 1175	23.9 0.552		Enterococci 12,000
31PSDO84	EASEMENT/BENNINGTON ST	BELLE ISLE INLET, REVERE	SDO 7/8/2015 Yes Yes Yes No 2.5 Round	Concrete Normal	No Unable to read outfall sign.	Sunny 82 >48 Hours <0.1 Inch	10:59:00 AM Outfall Flow	Slow	1 2 None	Clear Clear None	Sediments			Yes		0.75 0.4 0	7.41 6230	23 3.09		Enterococci 70

	D W.	Location Inspection Air Temp Quantity Rain	Time Low Sampling If Flow	If Submerged Sediment [Depth Water blus Sed	Other Deposits Other Deposits	Pipe Manhole Diameter Pipe Other Pipe	Pipe Other Pipe Other Samples Other Reason		Type Sample Sample
Facility_ID Street Location 01ESDO24 EASEMENT/LAKESIDE 01FSDO31 EASEMENT/MILLSTONE R	Receiving Water SPRAGUE POND/NEPONSET RIVER NEPONSET BIVER	Type Date Weather F 24h	Tide Location Is There Flow Veloc Manhole Flow Heav Manhole Flow Mode	- ' '	percent Odor Other Odor Color Other Color Cl O None Clear Cl O None Clear Cl	ear None None None	1EMH21 15 Round	Material Material Condition Condition Collected If No Reason No Sample Other VC Normal Yes Other Brick Normal Yes	Surfactants Ammonia Chlorine pH Conductivity T 0 0.1 0 8.15 32.9 10 0 0.1 0 8.48 33 11	TemperatureSalinityCommentsBacteriaResult CFUCollectedResult CFU0.70.02Could not locate outfall.E. Coli2,0002,0002.30.021Could not locate outfall. First upstream manhole (01EMH022) held standing water.E. Coli8,2003,200
02ESDO5 WEST MILTON STREET	UNAMED WETLANDS	SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 6/2/2015 Rain 48 >=0.25 Inch Interconnect 10/29/2015 Cloudy 66 >=0.25 Inch	Manhole Flow Mode Manhole Flow Mode Manhole Flow Mode	ate 0 2	20 None Clear Cl	ear None None	2EMH85 12 Round 2FMH120 15 Round	Other VC Normal Yes Other VC Normal Yes	0 0.1 0 0.46 33 11 0 0.2 0 7.6 98.5 11 0.25 1 0 8.13 113 1	2.8 0.056 Outfall was submerged. First upstream manhole (02EMH085) held standing water. E. Coli 12,000 8.8 0.055 E. Coli 3.300
02FMH120 NEPONSET VALLEY PARK 02FSDO120 EASEMENT/WOLCOTT CT 02FSDO85 LAWTON STREET	T/HYDE PARK AVE EXT NEPONSET RIVER NEPONSET RIVER RESERVATION	SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 6/2/2015 Rain 48 >=0.25 Inch	Outfall Flow Heave	0 1 ate 0 1	5	oudy None None ear None None	2FMH84 12 Round	Yes	0 0 0 7.35 550 9 0 0.2 0 8.06 58.5 1	1.7 0.312 E. Coli 23,000 1.6 0.034 Could not locate outfall. E. Coli 5,200
02FSDO93 EASEMENT/SIERRA RD 03ESDO186 RIVER STREET	NEPONSET RIVER MILL POND/MOTHER BROOK	SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 6/15/2015 Rain 57 >=0.25 Inch	Outfall Flow Mode	erged 100 0 1 ate 0 2	100 None Clear Cl 25 None Clear Cl	ear None None oudy None None	2FMH72 12 Other Unknown	Concrete Normal Yes No Value Other Unknown No Standing Water Yes	0.5 2 0 7.06 262 1	Outfall submerged. All manholes within 300 ft upstream held standing water. 6.3 0.12 E. Coli 12,000
03ESDO207 RIVER STREET 03FMH56 WAKEFIELD AVENUE	MILL POND/MOTHER BROOK MILL POND/MOTHER BROOK DCR DRAIN TO NEPONSET	SDO 6/15/2015 Rain 57 >=0.25 Inch Interconnecti 10/29/2015 Cloudy 66 >=0.25 Inch SDO 6/15/2015 Rain 58 >=0.25 Inch	Outfall Flow Heavy Manhole Flow Mode	0 2 ate 0 1	None Clear Cl O	oudy None None ear None None	3FMH56□ 15 Round	Concrete Normal Yes	0 0.4 0 7.8 59.3 1 0.25 0.4 0 7.83 789 1	7.3 0.028 E. Coli 410 8.1 0.381 E. Coli 3,600 7.3 0.035
04ESDO64 ALVARDO AVE/RIVER ST 04ESDO69 KNIGHT ST DAM 04FSDO1 RESERVATION RD	BRIDGE MILL POND/MOTHER BROOK MOTHER BROOK MOTHER BROOK/NEPONSET RIVER	SDO 6/15/2015 Rain 58 >=0.25 Inch SDO 6/15/2015 Rain 57 >=0.25 Inch SDO 6/15/2015 Rain 58 >=0.25 Inch	Manhole Flow Slow Manhole Flow Mode Manhole Dry None	ate 0 5	None Clear Cl None Clear Cl Clear Cl	ear None None ear None None	4EMH67 48 Round 4FCB136 10 Round	Concrete Normal Yes Concrete Normal Yes Concrete Normal Yes PVC Normal No No Flow	0 0.6 0 7.2 70.9 1	6.9 0.069 E. Coli 2,300 E. Coli 3,000 E. Coli 3,000 This is a cleanout for two catch basins with an outlet pipe to an outfall. Standing water observed in mh but outlet pipe was dry.
04FSDO118 MASON STREET EXT.	NEPONSET RIVER AVE/RESERVATION RD NEPONSET RIVER	SDO 6/15/2015 Cloudy 58 >=0.25 Inch SDO 6/2/2015 Rain 49 >=0.25 Inch	Manhole Flow Slow Manhole Flow Mode	0 5 ate 0 1	None Clear Cl None Clear Cl	ear None None None	4FMH56 12 Round 4FMH49 12 Round	Other VC Normal Yes Other Brick Normal Yes	0 0 0 7.12 273 1 0 0 0 7.88 44.1 1	7 0.125 E. Coli 23,000
04FSDO16 EASEMENT RIVER ST 04FSDO189 RESERVATION RD	MOTHER BROOK/NEPONSET RIVER MOTHER BROOK/NEPONSET RIVER	SDO 6/15/2015 Rain 58 >=0.25 Inch SDO 6/2/2015 Rain 49 >=0.25 Inch	Manhole Flow Slow Outfall Flow Mode Outfall Flow Heav	0 2 ate 40 0 2	None Clear Cl None Clear Cl	ear None None None	4FMH208 12 Round	Concrete Normal Yes Yes	0.5 1 0 7.04 147 1 0 0.2 0 7.46 222 1	3 0.027 Outfall was submerged. NW inlet is unmapped. E. Coli 1,700 8.1 0.068 Flow coming from Ellis St. Downstream MH's Standing Water. E. Coli 5,600 3.7 0.126 E. Coli 7,100
04FSDO203 GLENWOOD AVE 05ESDO180 GEORGETOWN DRIVE	NEPONSET RIVER NONE SHOWN/CHARLES RIVER	SDO 9/30/2015 Rain 73 >=0.25 Inch SDO 6/2/2015 Cloudy 48 >=0.25 Inch	Outfall Dry None	0 0	0.5 None Clear Cl	ear None None None		Yes No Flow	0.25 0.1 0 7.58 15.7 2	3.1 0.016 E. Coli 710
05ESDO181 GEORGETOWN DRIVE 05ESDO182 DEDHAM STREET 05ESDO183 GEORGETOWN PLACE/DI	NONE SHOWN/CHARLES RIVER UNNAMED STREAM/CHARLES RIVER EDHAM ST UNNAMED STREAM	SDO 6/2/2015 Cloudy 48 >=0.25 Inch SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 6/2/2015 Cloudy 48 >=0.25 Inch	Outfall Dry None Manhole Flow Slow Outfall Standing Water Subm	0 5	5 None Clear CI	ear None None None	5EMH152 18 Round	No No Flow	0 0.2 0 7.72 89.1 1	4 0.052 Outfall was submerged. Immediate upstream manhole (05EMH151) held standing w E. Coli 9,000 Outfall was submerged. There are no upstream features to inspect or sample from.
05FSDO117 EASEMENT/TRUMAN HWY 05FSDO244 HYDE PARK AVE BRIDGE		SDO 6/2/2015 Cloudy 48 >=0.25 Inch SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 6/2/2015 Rain 48 >=0.25 Inch	Outfall Flow Heav	erged 100 80 1 0 1 50 0 5		oudy None None ear None None		Yes Yes	0.25 0.6 0 7.47 219 1. 0 0 0 7.63 176 1	3.4 0.124 E. Coli 22,000 1.7 0.096 E. Coli 7,000
05FSDO245 HYDE PARK AVE 05FSDO253 EASEMENT/BUSINESS ST	MOTHER BROOK/NEPONSET RIVER T, NEAR BUSINESS TER MOTHER BROOK/NEPONSET RIVER	SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 6/2/2015 Rain 48 >=0.25 Inch	Manhole Flow Slow Manhole Flow Slow	75 0 7 15 0 1	75 None Clear Cl 15 None Clear Cl	ear None None None	5FMH212 36 Round 5FMH72 48 Round	Concrete Normal Yes Metal Normal Yes	0 0.1 0 7.3 514 1. 0 0 0 7.31 411 1.	3.5 0.296 Outfall was flowing slowly, but was 70+% submerged. E. Coli 6,800 3.1 Outfall was visible but unaccessible for sampling and appeared to be 30 submerged E. Coli 13,000
05FSDO254 DANA AVENUE 05GSDO112 EASEMENT/RR ROW/WAT 05GSDO115 FAIRMOUNT AVE BRIDGE		SDO 6/2/2015 Rain 48 >=0.25 Inch SDO 9/30/2015 Cloudy 75 >=0.25 Inch SDO 9/30/2015 Cloudy 75 >=0.25 Inch	Outfall Flow Mode Manhole Standing Water Subm	ate 0 1 erged 100 0 1	IO None Clear CI IOO None Clear CI	ear None None ear None None	5GMH159 24 Round	Yes Concrete Normal No Standing Water	0.25 0.3 0 7.75 153 1	2.7 0.086 E. Coli [8,300 CNA outfall or first US manhole. Next two US MH also standing water and were well over 1000 ft from outfall.
05GSD0116A WARREN AVENUE 06CMH117 WASHINGTON ST NEAR N	NEPONSET RIVER	SDO 9/30/2015 Cloudy 73 >=0.25 Inch SDO 4/21/2015 Sunny 64 >=0.25 Inch Interconnect 6/15/2015 Rain 55 >=0.25 Inch	Outfall Flow Mode Manhole Flow Mode	ate 0 3	B None Clear CI C	ear None None	6CMH117 12 Round	Yes Voncrete Normal Yes	0.5 0.6 0 7.2 142.4 2 0 0.1 0.1 7.82 1981 1: 0.5 0.6 0 7.32 133 1:	2.4 1.01 E. Coli 7,800 7 0.073
06DSDO184 GEORGETOWN DRIVE 06DSDO83 MARGARETTA DRIVE	WETLANDS/CHARLES RIVER WETLANDS/CHARLES RIVER	SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch	O (C III O) II IV (C III	erged 30 0 3	None Clear Cl None Clear Cl	ear None None ear Oily Sheen None	GOWITTT 12 ROUND	No Standing Water Yes	0.25 0.1 0 7.7 33 1	Unable to locate upstream manholes. 1.5 0.02 E. Coli 4,000 E. Coli 5200
06DSDO84 EASEMENT/MARGARETT/ 06DSDO85 GEORGETOWN DRIVE	A DRIVE WETLANDS/CHARLES RIVER	SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch	Manhole Standing Water Subm Manhole Flow Slow	erged 100 0 1	100 None Clear Cl 2 None Clear Cl	ear Other pollen None ear None None	6DMH82 12 Other Unknown 6DMH88 12 Round	Other Unknown Other Unknown No Standing Water Concrete Normal Yes	0.25 0.4 0 7.52 104 1.	Unable to locate outfall. Possibly submerged. 2.4 0.056 Lots of Geese hanging out near manhole. E. Coli 4,400
06DSD086 GEORGETOWN DRIVE 06DSD091 GEORGETOWN DRIVE	WETLANDS/CHARLES RIVER WETLANDS/CHARLES RIVER	SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 10/29/2015 Cloudy 68 >=0.25 Inch	Manhole Flow Slow Outfall Flow Slow Outfall Standing Water Subm Outfall Dry None	10 2 erged 95 0 9	20 None Clear Cl 95 None Clear Cl	ear None Sediments ear None None None Sediments		Yes No Standing Water No No Flow	0.25 0.4 0 7.58 74 1	2.3 0.405 E. Coli 7,000
06FSDO233 MOUNT ASH ROAD 06HSDO106 OSCEOLA STREET 06HSDO107 EASEMENT/BELNEL RD	WETLAND - STONY BROOK RESERVATI NEPONSET RIVER NEPONSET RIVER	SDO 10/29/2015 Cloudy 68 >=0.25 Inch SDO 10/29/2015 Cloudy 69 >=0.25 Inch SDO 9/30/2015 Rain 66 >=0.25 Inch	Outfall Dry None Outfall Dry None Outfall Dry None	0 0	None Clear Cl	None Sediments None None Pear None None		No No Flow No No Flow		~4' section of concrete outfall is detached from pipe line. bottom of main pipeline visible through the break, and appeared dry. Outfall observed dry. Outfall was dry. It was actively raining and there was active runoff into catch basins.
07HSDO346 EDGEWATER DRIVE/HOLI 07HSDO347 EDGEWATER DRIVE/BUR	MFIELD AVE NEPONSET RIVER MAH ROAD NEPONSET RIVER	SDO 4/21/2015 Sunny 66 >=0.25 Inch SDO 4/21/2015 Cloudy 66 >=0.25 Inch	Outfall Flow Slow Outfall Flow Slow	0 0	0.1 None Other Yellow Cl 0.1 None Clear Cl	ear None Other Organic debris ear None Other Organic debris		Yes Yes	0.25 0.4 0 8.02 97.9 1 0 0.1 0 7.39 156.9 1	9.60.056Large organic debris buildup recessed in outfall.E. Coli2606.30.11180% organic debris stuck on former grate.E. Coli20
07HSDO348 EDGEWATER DRIVE/TOP. 08BSDO122 EASEMENT/NORTH OF SP	PRING ST. CHARLES RIVER	SDO 4/21/2015 Cloudy 61 >=0.25 Inch SDO 6/1/2015 Rain 50 >=0.25 Inch	Outfall Flow Slow Outfall Flow Slow Manhole Flow Slow	0 5	Other Oil Clear Cl None Clear Cl	ear Oily Sheen Other Organic debris ear None None		Yes Yes	0.25 0.3 0 7.5 523 1 0.5 1 0 6.96 628 1	6.5 0.282 Large amount of organic debris caught in grate, 75%. Flow leaking from behind deb E. Coli 440 Yes 380 3.9 0.343 Outfall 50% submerged with positive flow. E. Coli 58,000
08BSDO126 SPRING STREET EXTEND 08CSDO25 WEDGEMERE ROAD 08CSDO26 WEDGEMERE ROAD	DED CHARLES RIVER NONE SHOWN NONE SHOWN	SDO 6/1/2015 Rain 50 >=0.25 Inch SDO 6/15/2015 Rain 55 >=0.25 Inch SDO 6/15/2015 Rain 55 >=0.25 Inch	Manhole Flow Slow	0 5	None Clear Cl None Clear Cl O None Clear Cl	ear None None ear None None	8BMH71 24 Round	Other VC Normal Yes Yes	0.25 1 0 7.13 282 1 0.25 0.4 0 7.73 202 1 0.5 0.3 0 7.47 230 1	3.1 0.151 E. Coli 6,000
08ESDO31 TURTLE POND PARKWAY 08ESDO33 TURTLE POND PARKWAY	TURTLE POND TURTLE POND	SDO 6/1/2015 Rain 49 >=0.25 Inch SDO 6/1/2015 Rain 49 >=0.25 Inch	Outfall Flow Slow Outfall Flow Mode Manhole Flow Slow	0 (cate 0 1	0.5 None Clear Cl 0 Other Soap Clear Cl	ear None None ear None None		Yes Yes	0.5	2.2 0.174 E. Coli 5,600 E. Coli 6,700
08ESDO35 WASHINGTON STREET 08ISDO153 DUXBURY ROAD	TURTLE POND NEPONSET RIVER	SDO 6/1/2015 Rain 50 >=0.25 Inch SDO 10/29/2015 Cloudy 66 >=0.25 Inch	Outfall Dry None	0 1	None Clear CI None Clear CI	ear None None None	8EMH36 15 Round	Other Unknown Normal Yes No No Flow	0.75 1 0.1 7.04 3680 1	3.3 2.18 20% standing water at outfall. E. Coli 3,500 Over 0.25 of inches of rain was recieved overnight. No flow was observed at outfall.
08ISDO154 EASEMENT/RIVER ST/GL/ 08ISDO155 EASEMENT/RIVER ST/MA	ADESIDE AVE NEPONSET RIVER MELON CIR NEPONSET RIVER	SDO 4/21/2015 Sunny 63 >=0.25 Inch SDO 6/15/2015 Rain 57 >=0.25 Inch SDO 4/24/2015 Sunny 62 0.25 Inch	Outfall Flow Mode Outfall Flow Slow	0 5	None Clear Cl None Clear Cl	ear None None oudy None None		Yes Yes Yes	0 0.3 0 7.32 929 11 0.5 0.8 0 7.02 317 11	5.4 0.196 5.5 0.172 6 0.402
08ISDO156 EASEMENT/RIVER ST/MAI 08ISDO158 EASEMENT/RIVER ST/FRE 08ISDO207 MEADOWBANK AVE EXT		SDO 4/21/2015 Sunny 63 >=0.25 Inch SDO 4/21/2015 Sunny 63 >=0.25 Inch SDO 4/21/2015 Cloudy 60 >=0.25 Inch	Outfall Flow Mode Outfall Flow Slow Outfall Flow Slow	0 5 0 2	None Clear Cl None Clear Cl Old None Clear Cl	ear None None ear None None		Yes Yes Yes Yes	0 0.1 0 7.86 299 11 0 0.1 0.2 7.38 1611 11 0 0.1 0 7.3 181.1	6.2 0.916 E. Coli 680 E. Coli 2,400 E. Coli 620
08ISDO209 MEADOWBANK AVE EXT 08JSDO102 ADAMS STREET	NEPONSET RIVER NEPONSET RIVER	SDO 4/21/2015 Cloudy 60 >=0.25 Inch SDO 4/21/2015 Cloudy 52 >=0.25 Inch	Outfall Dry None 7:51:00 AM Outfall Flow Mode	0 0 ate 0 1	None Clear CI	ear None None		No Insufficient Flow Yes	0.25 0.2 0 8.11 145.1 1	Outfall observed wet, unable to get sample. 3.6 0.0763 Enterococci 1,800
08JSDO41 RIVER STREET 08KSDO49 BEARSE AVENUE 09BSDO49 EASEMENT/RIVERMOOR	NEPONSET RIVER NEPONSET RIVER	SDO 4/21/2015 Cloudy 60 >=0.25 Inch SDO 4/21/2015 Rain 59 >=0.25 Inch	Outfall Flow Slow 7:51:00 AM Outfall Flow Slow Outfall Flow Slow Slow	0 0	None Clear Cl None Clear Cl	ear None None ear None		Yes Yes	0.25 0.1 0 7.84 383 1 0.25 0.4 0 7.82 689 1	5.6 0.272 E. Coli 380 3.9 0.375 Enterococci 23,000
09ESDO229 GRANDVIEW STREET 09ESDO243 BLUE LEDGE TR/FASEME	ST COW ISLAND POND/CHARLES RIVER NONE SHOWN INNAMED STREAM	SDO 6/1/2015 Rain 49 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 6/15/2015 Rain 57 >=0.25 Inch	Manhole Flow Slow Outfall Flow Mode	2 5 ate 0 2	None Clear Cl None Clear Cl C	ear Garbage None ear None Sediments ear None None	9EMH191 12 Round	Concrete Normal Yes Yes	0.25	3 0.0414 Outfall opening completely filled with garbage and other debris. Flow going thru this E. Coli 3,100 2.3 0.034 Unable to access outfall. E. Coli 10,000 5.9 0.085
09KSDO16 EASEMENT/BEARSE AVE 09LSDO095 GRANITE AVENUE	NEPONSET RIVER	SDO 4/21/2015 Cloudy 58 >=0.25 Inch SDO 4/21/2015 Cloudy 58 >=0.25 Inch	7:51:00 AM Manhole Dry None 7:51:00 AM Outfall Flow Slow	0 0	None Salt water Clear Cl	ear None Other Organic debris	8KMH50 15 Round	Other VC Normal No No Flow Yes	0.5 0.4 0 7.15 5770 1	Area received 1.15" of rain in previous 24 hrs. Pipe observed wet, but not flowing. 4.4 3.5 Enterococci 7,000
10BSDO15 EASEMENT/CHARLES RIV 11BMH49 VFW PKWY @ GLENHAM		SDO 6/1/2015 Rain 48 >=0.25 Inch Interconnect 6/1/2015 Rain 48 >=0.25 Inch	Manhole Flow Slow Manhole Flow Slow Manhole Flow Slow	0 5	None Clear Cl None Other Brown Cl	ear None None oudy None Sediments	10BMH21 21 Round 11BMH49 15 Round	PVC Normal Yes Other VC Normal Yes Concrete Normal Yes	0.25 0.4 0 7.33 40.3 1 0.25 1 0 7.75 195 1	3.2 0.0244 Outfall outlet 100% sumberged inside grated area. E. Coli 2,400 3.6 0.104 E. Coli >80000
11BSDO123 EASEMENT/EAST OF BAK 11GSDO344 CULVERT UNDER WALK F 11GSDO344 CULVERT UNDER WALK F	HILL STREET CANTERBURY BROOK	SDO 6/1/2015 Rain 48 >=0.25 Inch SDO 6/1/2015 Rain 48 >=0.25 Inch SDO 6/1/2015 Rain 48 >=0.25 Inch	Manhole Flow Slow Manhole Flow Slow Manhole Standing Water Subm	0 1	None Other Brown Cl Other Brown Cl Other Brown Cl Other Brown Cl	ear None None ear None None ear Garbage None	11GMH246 24 Round 11GMH247 18 Round	Concrete Normal Yes Concrete Normal Yes Other VC Normal No Standing Water	0 0.8 0 7.97 151 1. 0 0.6 0 7.55 189 1.	2 0.798 Outfall submerged, 11BMH45 standing water. Same manhole was sampled as last \(\)E. Coli \(>80000 \) 3.1 0.1 E. Coli \(>80000 \)
12BSDO10 BAKER STREET 12BSDO124 EASEMENT/LAGRANGE S	BROOK FARM BROOK BROOK FARM BROOK	SDO 6/1/2015 Cloudy 48 >=0.25 Inch SDO 6/1/2015 Rain 48 >=0.25 Inch	Outfall Standing Water Subm	0 8	80 None Other Brown Cl 50 None Clear Cl	ear None None ear None None		Yes No Standing Water Other Unknown Other Unknown No Standing Water	0.25 0.6 0 7.23 552 1	2.6 0.297 E. Coli 80,000 Upstream manhole, 12BMH22, observed flowing backwards.
12BSDO14 BAKER STREET 12BSDO33 EASEMENT/BAKER STREE		SDO 6/1/2015 Rain 48 >=0.25 Inch SDO 6/1/2015 Cloudy 48 >=0.25 Inch	Manhole Standing Water Subm Manhole Flow Slow Manhole Flow Mode	erged 100 0 1	100 None Clear Cl 5 None Clear Cl	ear None None ear None	12BMH6 12 Other Unknown 12BMH32 18 Round	Concrete Normal Yes	0 0.4 0 7.08 431 1	0.9 0.229 E. Coli 3,500 Yes 2,700
12FSDO305 EASEMENT/WALTER STR 12FSDO305 EASEMENT/ARBOROUGH 12HSDO1 MORTON STREET	REET (renumbered from 12F NONE SHOWN H ROAD UNAMED WETLANDS CANTERBURY BROOK	SDO 6/1/2015 Rain 48 >=0.25 Inch SDO 6/1/2015 Rain 48 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch	Manhole Flow Mode Outfall Flow Slow Manhole Standing Water Subm	5 1	None Clear CI None Clear CI CION None Clear CI	ear None None ear None None ear Garbage None	12FMH41 24 Round 12HMH26 15 Other Unknown	Yes	0.25	4.4 0.181 CNL outfall, sample taken from closest accessible MH. E. Coli 76,000 2.1 0.107 E. Coli 48,000
12HSDO1 MORTON STREET 12HSDO92 AMERICAN LEGION HIGH	CANTERBURY BROOK	SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch	Manhole Standing Water Subm Outfall Standing Water Subm	3	100	ear Garbage None ear None None	12HMH27 15 Other Unknown			Upstream features do not exist as mapped.
13BSDO11 LAGRANGE STREET 13ESDO176 EASEMENT/WELD ST	UNNAMED STREAM NONE SHOWN	SDO 6/2/2015 Cloudy 46 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch	Manhole Dry None Manhole Standing Water Subm	0 (erged 80 0 8	None Clear Cl	ear None None	13BMH9 12 Round 13EMH168 12 Round	Other VC Normal No No Flow Other VC Normal No Standing Water		13B010 and 13B012 both standing water. can not locate 13B014. Large sediment deposit in the middle of 13B009. Checked 13E169, drain portion of the manhole was covered.
13FSDO12 WALTER STREET 13FSDO95 EASEMENT/BUSSEY STRI 14EMH36 PAYSON ROAD @ HACKE	BUSSEY BROOK EET BUSSEY BROOK ENSACK ROAD BROOK! INF DRAINS	SDO 6/2/2015 Rain 46 >=0.25 Inch SDO 6/2/2015 Rain 46 >=0.25 Inch Interconnect 6/1/2015 Rain 48 >=0.25 Inch	Outfall Flow Mode Outfall Flow Slow Manhole Flow Slow	ate 0 2 0 9	None Clear Cl S	ear None None ear None None oudy None Sediments	14EMH36 12 Round	Yes Yes Other VC Normal Yes	0.25 0.3 0 7.48 237 1 0.25 0.3 0 7.55 218 1 0.25 0.6 0 7.67 492 1	0.3
17FSDO12 FRANCIS PARKMAN DRIV 19LCSO084 SOUTH BOSTON	NSACK ROAD BROOKLINE DRAINS E JAMAICA POND Dorchester Bay-North	SDO 9/30/2015 Rain 72 >=0.25 Inch CSO 11/11/2015 Rain 46 >=0.25 Inch	Outfall Flow Heav	0 1	None Other Light Brown Cl None Clear Cl	oudy None None ear None None	19LMH260 60 Round	Other VC Normal Yes Yes Yes Concrete Normal Yes Concrete Normal No No Flow	0.25 0.8 0 8.15 139.5 2 0.75 0.6 0 7.76 13700 1	22.1 0.069 E. Coli 64,000 Enterococci 4,600
19MCSO083 SOUTH BOSTON 20DMH19 PRENDERGAST AVE (BC/	Dorchester Bay-North CHESTNUT HILL RESERV BROOKLINE DRAINS	CSO 11/11/2015 Rain 46 >=0.25 Inch Interconnect 9/30/2015 Cloudy 72 >=0.25 Inch	4:54 PM Manhole Dry None Manhole Flow Heav	0 0	None Clear Cl 0.5 None Clear Cl	ear None None None	19MMH96 36 Round 20DMH19 15 Round	Concrete Normal Yes	0 0.3 0.1 7.4 392 2	3.2 0.182 E. Coli 1,800
20DMH62 KILSYTH AT ENGLEWOOD 20GSDO163 EASEMENT/RIVERWAY 20GSDO164 BROOKLINE AVE	D BROOKLINE DRAINS MUDDY RIVER MUDDY RIVER	Interconnecti 9/30/2015 Cloudy 76 >=0.25 Inch SDO 9/30/2015 Rain 66 >=0.25 Inch SDO 9/30/2015 Rain 66 >=0.25 Inch	Manhole Flow Mode Manhole Flow Heav Manhole Standing Water Subm	0 8	D.25 None Clear Cl 30 None Clear Cl 100 None Clear Cl	ear None None oudy None None Organia meta None	20DMH62 12 Round 20GMH107 18 Round 20GCB126 UNK Other Unknown	Concrete Normal Yes Other Unknown Normal Yes Other Unknown Other Unknown No Standing Water	0 0.3 0 7.61 69.9 2 0 0.1 0 8.24 63.3 2	23 0.036 Flow was coming from the N. inlet. E. Coli 39,000 E. Coli 1,200 Yes 1,000 Yes 1,000
21CSDO212 EASEMENT/LAKE SHORE 21EMH86 VILLAGE BROOK-CUMMIN	ROAD CHANDLER POND	SDO 6/1/2015 Rain 50 >=0.25 Inch	Manhole Standing Water Subm Outfall Flow Mode Manhole Flow Heav	ate 40 0 4	40 None Clear CI None Clear CI	ear Other Organic mate None ear None None ear None None	20GCB126 UNK Other Unknown 21EMH86 12 Round	Other Unknown Other Unknown No Standing Water Yes Other VC Normal Yes	0.25 0.3 0 7.94 457 1 0.25 0.3 0 7.58 42.6 1	3.6 0.258 Lots of geese nearby. E. Coli 45,000 8.4 0.0263 E. Coli 5,300
21HSDO045 PARK DRIVE 21HSDO048 EASEMENT/FENWAY/EVA	MUDDY RIVER ANS WAY MUDDY RIVER	SDO 6/2/2015 Cloudy 50 >=0.25 Inch SDO 6/1/2015 Cloudy 50 >=0.25 Inch	Outfall Standing Water Subm Manhole Standing Water Subm	erged 25 0 2 erged 80 0 8	None Clear Cl None Clear Cl	ear None None None	20HMH267 12 Round	No Standing Water Concrete Normal No Standing Water		On-going stream restoration manipulating the flow to outfall. Water was being diverted to downstream location. US of the diversion, fresh Outfall and upstream manhole both standing water. 2nd upstream MH (20HMH266) and any other US features CNL.
21NCSO80 SOUTH BOSTON 22CSD0384 EASEMENT/LAKE SHORE	Inner Harbor- Reserve Channel RD CHANDLER POND PIKE/WEST OF BU BRIDGE CHARLES RIVER	CSO 11/11/2015 Rain 46 >=0.25 Inch SDO 6/1/2015 Cloudy 50 >=0.25 Inch SDO 6/1/2015 Cloudy 52 >=0.25 Inch	4:54 PM Manhole Flow Slow Outfall Flow Heav	20 0 2	Other Sea Water Clear Cl None Clear Cl	ear None None ear None None	21NMH9 78 Round	Concrete Normal Yes Yes Other Unknown Other Unknown Yes	1 0.2 0 7.82 6380 1 0 0.3 0 7.62 455 1	1.1 4.38 Enterococci 7,500 5.7 0.259 Geese seen nearby. E. Coli >80000 4.2 All inlets into markels were running, and flow was absented but outlet nine was not E. Coli 40,000
23HMH81 BEACON STREET 23HSD0040 RALEIGH STREET EXT	DCR DRAIN TO MUDDY RIVER CHARLES RIVER	SDO 6/1/2015 Cloudy 52 >=0.25 Inch Interconnect 10/29/2015 Cloudy 68 >=0.25 Inch SDO 6/1/2015 Rain 50 >=0.25 Inch	Manhole Flow Slow Manhole Dry None Manhole Flow Slow	0 0	None Clear Cl None Clear Cl O None Clear Cl	ear None None ear None None	23HMH81 12 Round 23HMH83 24 Round	Other Vitrified Clay Normal No No Flow Concrete Other Unknown Yes	0.25	4.2 0.424 All inlets into manhole were running, and flow was observed but outlet pipe was not E. Coli 49,000 Standing water in MH but both inlets observed dry. Outlet located in center of manhole floor, beneath about 4" of standing water. 4.6 0.179 Upstream manholes were observed to be flowing. 23HMH068 held lots of floating tr E. Coli 43,000
23HSDO042 DEERFIELD ST 23LSDO074 SUMMER ST BRIDGE	CHARLES RIVER FORT POINT CHANNEL	SDO 6/1/2015 Rain 52 >=0.25 Inch SDO 10/29/2015 Rain 68 >=0.25 Inch	Manhole Flow Mode	ate 0 1		ear None None ear None None	23HMH111	Concrete Normal Yes Metal Normal Yes	0 0.1 0 7.57 205 1 0.25 0.3 0 8.54 77 1	3.6 0.117 No other manholes upstream of outfall were running. 23HMH112 and 23HMH050 bd E. Coli 13,000 8.6 0.0457 Standing water in manhole, sampled from inlet. Enterococci 3,700 Yes 4,200
24DSDO032 N OF BEACON ST, ABOUT 24DSDO150 SOLDIERS FIELD PLACE 24GSDO034 SOLDIERS FIELD ROAD, S	CHARLES RIVER	SDO 6/1/2015 Rain 52 >=0.25 Inch SDO 6/1/2015 Rain 51 >=0.25 Inch SDO 9/30/2015 Rain 72 >=0.25 Inch	Manhole Flow Heav Outfall Flow Mode	0 5 ate 0 5	None Clear Cl None Clear Cl	ear None None ear None None	24DMH216 12 Round	Other Brick Normal Yes Ves Ves	0 0.1 0 7.66 450 11 0 0.3 0 8.02 64 11	3.6
25DSD0040 ABOUT 390' N OF INTERS 25ESD0037 FASEMENT/TELFORD ST		SDO 9/30/2015 Rain 72 >=0.25 Inch SDO 6/1/2015 Rain 51 >=0.25 Inch SDO 6/1/2015 Rain 50 >=0.25 Inch	Manhole Flow Heave	2 2	None Clear Cl None Clear Cl	ear None None ear None None	25DMH23 36 Round 25FMH131 60 Round	Concrete Normal Yes Concrete Normal No No Flow Concrete Normal Yes	0 0.3 0 7.73 95.9 2	2.8 0.048 Sample taken from tide gate mapped as first upstream feature from the outfall. E. Coli 10,000 Standing water observed in outfall. Upstream manhole was observed dry. 3.2 0.314 Foam was observed in flow. E. Coli 28,000
25GSDO041 SOLDIERS FIELD RD/NOR 25MCSO005 EAST BOSTON	RTH OF WESTERN AVE BRICHARLES RIVER	SDO 9/30/2015 Rain 71 >=0.25 Inch CSO 11/11/2015 Rain 46 >=0.25 Inch	Manhole Flow Heave	0 1		ear None None ear None Sediments	25FMH103	Concrete Normal Yes Other Brick Normal Yes	0 0.2 0 7.57 30.3 2 0.75 0.1 0 7.9 5810 1	3.2 0.021 Outfall not located. E. Coli 1,400 0.8 2.95 Enterococci 2,000
25MSDO007 MARGINAL ST 26FSDO038 HARVARD ST EXT	Inner Harbor- Lower BOSTON HARBOR CHARLES RIVER	SDO 10/1/2015 Cloudy 55 >=0.25 Inch SDO 9/30/2015 Cloudy 72 >=0.25 Inch SDO 9/30/2015 Roin 74 >=0.25 Inch	8:03 AM Manhole Flow Mode Manhole Flow Heav	0 (0 0 1	D.2 None Other Dark Grey Cl 12 None Other Brown Cl	oudy None None oudy None None	25MMH118 36 Round 26FMH5 15 Round	Concrete Normal Yes Other Clay Normal Yes Concrete Normal Yes	1 0.2 0 7.14 OR 11 0 0.2 0 7.22 64.9 2	6.3 OR Significant flow was observed entering manhole (25M118) from the NE inlet and fill Enterococci 14,000 3.4 0.034 Outfall not located. E. Coli 7,300 3.4 0.034 Outfall not located. E. Coli 12,000
26JSDO01 SOLDIERS FIELD ROAD/E 26JSDO049 NASHUA ST 26JSDO101 LEVERETT CIRCLE	AST OF HARVARD UNIVE CHARLES RIVER CHARLES RIVER CHARLES RIVER	SDO 9/30/2015 Rain 71 >=0.25 Inch SDO 4/21/2015 Sunny 58 >=0.25 Inch SDO 4/21/2015 Sunny 60 >=0.25 Inch	Manhole Flow Heav 7:54:00 AM Manhole Flow Mode 7:51:00 AM Manhole Flow Mode		None Clear CI None Clear CI CO None Clear	ear None None ear None None ear Garbage None	26FMH11 36 Round	Concrete Normal Yes Concrete Normal Yes Concrete Normal Yes	0 0.2 0 7.19 56.3 2 0.25 1 0 8.56 666 1 0.25 0.1 0.1 7.94 872 1	3.1 0.031 Outfall not located. E. Coli 12,000
26KCSO052 COMMERCIAL STREET AT 26KSD0050 NASHUA ST	CHARLES RIVER	SDO 4/21/2015 Sunny 58 >=0.25 Inch SDO 4/21/2015 Sunny 60 >=0.25 Inch SDO 4/21/2015 Rain 55 >=0.25 Inch SDO 4/21/2015 Sunny 57 >=0.25 Inch SDO 10/29/2015 Rain 69 >=0.25 Inch	7:51:00 AM Manhole Flow Slow 7:51:00 AM Manhole Flow Slow	1 3	B None Other Brown Cl ONONE Clear Cl	oudy None None ear Oily Sheen None	26KMH533 12 Round 26KMH319 24 Round	Concrete Normal Yes Concrete Normal Yes	1.2 1 0 7.78 12200 9 0 1.3 0 8.52 580 1	1.6 6.1 CNL outfall, assumed submerged. Enterococci 910 3.8 0.267 Fecal matter (Fowl) noted near edge of water body. E. Coli 20
26KSDO254 EASEMENT 26LSDO106 NEAR BATTERY WHARF	CHARLES RIVER BOSTON INNER HARBOR	SDO 10/29/2015 Rain 69 >=0.25 Inch SDO 10/29/2015 Rain 66 >=0.25 Inch SDO 4/21/2015 Cloudy 55 >=0.25 Inch	6:50 AM Manhole Flow Mode 6:50 AM Manhole Flow Slow	ate 5 0 5	None Other Gray Cl	oudy None None ear None Sediments	26KMH166 18 Round 26LMH177 30 Round 26LMH008 36 Round	Concrete Normal Yes Concrete Normal Yes Concrete Normal Yes PVC Normal Yes Metal Normal Yes	0.25 0.4 0 8.16 211 1 0.5 0.4 0 8.14 11540 1 1 0 7.66 14670 1	 7.5 0.101 Sampled from pool beneath both running inlets. Outlet was visible, but submerged. Enterococci 24,000 7.6 6.46 Enterococci 2,100
26LSDO70 HANOVER STREET EXT 27JSDO001 EASEMENT/INTERSTATE 27JSDO044 PRISON POINT BRIDGE	BOSTON INNER HARBOR 93 MILLERS RIVER 93 MILLERS RIVER 93 MILLERS RIVER	SDO 4/21/2015 Cloudy 55 >=0.25 lnch SDO 4/21/2015 Cloudy 59 >=0.25 lnch SDO 4/22/2015 Cloudy 56	7:51:00 AM Manhole Flow Slow 7:51:00 AM Manhole Flow Slow 7:51:00 AM Manhole Standing Water Subm	0 1 0 U	NoneClearClJnknownNoneOther GreyCl	ear None None ear None	26LMH008 36 Round 27JMH17 72 Round 27JMH46 18 Round 27JMH94 54 Round	Concrete Normal Yes	1 2 0 7.66 14670 1 0 0.4 0 7.97 922 1	 7.82 CNA outfall, location mapped in security area of coast guard academy. 9.653 Water observed swirling in mh indicating positive flow, outlet and inlet not visible. Manhole full of sediment and water. Unable to see piping.
27JSDO044 PRISON POINT BRIDGE 27JSDO096 EASEMENT/INTERSTATE 27LCSO010 EAST BOSTON	93 MILLERS RIVER Inner Harbor-Upper	SDO 4/21/2015 Cloudy 53 >=0.25 Inch CSO 11/23/2015 Sunny 43 >=0.25 Inch	7:51:00 AM Manhole Standing Water Subm 7:51:00 AM Manhole Standing Water Subm 2:36:00 PM Outfall Flow Mode	ate 100 0 1	NoneClearCl100NoneClearCl30OtherSaltwaterClearCl	ear None Sediments ear Garbage None ear None Sediments		Concrete Other Unknown No Standing Water Yes	3 0.3 0 7.06 14700 7	Manhole full of sediment and water. Unable to see piping. Inlets and outlet not visible. Lots of floatable trash and debris. 7.14 Enterococci 800
27LCSO010 EAST BOSTON 28IMH15 ROLAND STREET 28NSDO156 COLERIDGE ST EXT	Inner Harbor-Upper SOMERVILLE DRAINS BOSTON HARBOR	Interconnect 9/30/2015 Rain 70 >=0.25 Inch SDO 4/21/2015 Cloudy 59 >=0.25 Inch	Manhole Standing Water Subm 7:51:00 AM Outfall Flow Slow	orged 100 0 1	100 None Clear Cl 0.01 None Clear Cl	ear None None ear None None	28IMH15 12 Round	Other Unknown Other Standing WNo Standing Water Yes	1 0.2 0 7.63 8520 1	Interconnection manhole standing water submerging all inlets/outlets, as did MHs over 1000 ft US. Many near by cbs were submerged and 1.1 5.58 Enterococci 470
29JSDO029 ALFORD STREET/RYAN P 29NCSO014 EAST BOSTON 30PSDO107 WALDEMAR AVENUE	PLGD. EXT MYSTIC RIVER Inner Harbor-Mystic/Chelsea WETLANDS	SDO 4/21/2015 Cloudy 58 >=0.25 Inch CSO 11/11/2015 Cloudy 46 >=0.25 Inch SDO 4/21/2015 Supply 61 >=0.25 Inch	6:50 AM Manhole Flow Mode 6:50 AM Manhole Flow Slow 7:51:00 AM Manhole Flow Slow 7:51:00 AM Manhole Flow Slow 7:51:00 AM Manhole Standing Water Subm 7:51:00 AM Manhole Standing Water Subm 2:36:00 PM Outfall Flow Mode Manhole Standing Water Subm 7:51:00 AM Outfall Flow Slow 7:51:00 AM Outfall Flow Slow 4:54 PM Outfall Standing Water Subm 7:51:00 AM Manhole Flow Mode	orged 5 0 5	None Clear Cl None Clear Cl Clear Cl	ear None None ear None None	30PMH106 15 Round	Yes No Standing Water	0.25 0.1 0.25 7.9 6730 1	1.6 4.11 Enterococci 410 Standing water at outfall and upstream of tide gate. Regulator had not activated. 4.8 0.601 Outfall was 50% submarged, standing water. Enterococci 170
310SD04 EASEMENT/WALDEMAR A 31PSD084 EASEMENT/BENNINGTON	AVE CHELSEA RIVER	SDO 4/21/2015 Sunny 61 >=0.25 Inch SDO 4/21/2015 Sunny 62 >=0.25 Inch SDO 4/21/2015 Cloudy 63 >=0.25 Inch	7:51:00 AM Manhole Flow Mode 7:51:00 AM Manhole Flow Mode 7:51:00 AM Outfall Flow Slow	ate 0 5	None Clear Cl None Clear Cl Clear Cl	ear None None ear None None ear None None	30PMH106 15 Round	Concrete Normal Yes PVC Normal Yes Yes Yes	0.25 0.2 0.1 7.61 1690 11 0.5 0.1 0 7.65 3750 11	4.8 0.601 Outfall was 50% submerged, standing water. 3.1 1.05 Could not locate outfall due to reeds. Enterococci 2,900 1.9 2.31 Enterococci 560
	1-200 (000 () 1NE V E1NE	, , , [2.000] [20]2-0.20 mon	, 1 1 Joiow	, <u>I</u> ~ I	1 10.000.	, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , , ,	, 12 10 11.00 10.00 11	, , ,

Table 2-5. 2016 Revised Price	iority Ranking and Schedule 2012 Dry Weather 2012	2 Wet Weather 2013 Dry Weather	2013 Wet Weather	2014 Dry Weather	2014 Wet Weather ¹ 2015 Dry Weather	2015 Wet Weather ²	
	mples_Collected No_Reason spection_Date spection_Date mples_Collected	pe_Bacteria spection_Date mples_Collected No_Reason pe_Bacteria	spection_Date mples_Collected No_Reason self_CFU sult_CFU	nmonia (mg/L) Inity (ppt) pe_Bacteria spection_Date mples_Collected mples_Collected	nmonia (mg/L) spe_Bacteria Ilinity (ppt) pe_Bacteria mples_Collected mples_Collected nmonia (mg/L) llinity (ppt) llinity (ppt) pe_Bacteria pe_Bacteria pe_Bacteria	mples_Collected mples_Collected Infactants (mg/L) Inmonia (mg/L) Ilinity (ppt) pe_Bacteria	n 2016 Ranking heduled n 2015 Ranking n 2014 Ranking n 2013 Ranking
Facility_ID 28PSDO1 28NSDO156	E S L E E E S E S 8/23/2012 Yes Enterococci 1700 12/17/2012 Yes	2/7/2013 Yes Enterococci Enterococci 2200 2/7/2013 No No Flow	選 場 上 上 2 選 り 1 1 2 2 2 3 3 3 3 3 3 3				5 8/23/2013 5 5 1 28PSDO1 5 8/23/2013 5 5 1 28NSDO15
29OSDO001 28NSDO207 29PSDO44 28OSDO25	8/23/2012 Yes Enterococci 470 8/23/2012 Yes Enterococci 1600 8/23/2012 Yes Enterococci 690	2/7/2013 Yes Enterococci 2/7/2013 Yes Enterococci 2/7/2013 Yes Enterococci	180 4/22/2014 Yes 240 5/19/2014 Yes 10 4/22/2014 Yes	2 1 0 OR Enterococci 1200 1 0 0 OR Enterococci 80 0 0 0.1 4.2 Enterococci 50	7/8/2015 Yes 1 0.2 0 4.04 Enterococci 3 7/7/2015 Yes 2 0.1 0 OR Enterococci 2 7/8/2015 Yes 0.5 0.8 0.1 2.34 Enterococci 1	90 30 10	5 8/23/2013 5 5 1 29OSDO00 5 8/23/2013 5 5 1 28NSDO20 5 8/23/2013 5 5 1 29PSDO44
12LMH304 (DCR 12LSDO137) 13LSDO090	8/23/2012 Yes Enterococci 10 9/26/2012 Yes Enterococci 1600 8/21/2012 Yes Enterococci 4500	7/18/2013 Yes Enterococci 10/2/2013 Yes Enterococci 5/15/2013 Yes Enterococci	10 4/22/2014 Yes 400 6/3/2014 Yes 800 6/2/2014 Yes	1 0 0 OR Enterococci 10 1 1 0 OR Enterococci 20000 2 3 0 OR Enterococci 820	7/7/2015 Yes 1 0 0 OR Enterococci 5/7/2015 Yes 0.75 3 0 4.18 E.Coli 110 6/25/2015 Yes 2 0.6 0 OR Enterococci 10	00	5 8/23/2013 5 5 1 28OSDO25 5 8/23/2014 5 1 1 12LMH304 5 8/23/2014 5 1 1 13LSDO09
15LSDO089 12LMH374 (DCR 12LSDO296) 12LSDO092 15LSDO088	8/22/2012 No 1/31/2013 Yes 8/21/2012 Yes Enterococci 60 8/21/2012 Yes Enterococci 180 8/22/2012 Yes Enterococci 10	Enterococci 5700 5/15/2013 Yes Enterococci 10/2/2013 Yes Enterococci 2/6/2013 Yes Enterococci 5/28/2013 Yes Enterococci	900 6/3/2014 Yes 50 6/3/2014 Yes 30 6/2/2014 Yes 10 6/3/2014 Yes	1 1 0 OR Enterococci 230 1 0.6 0 OR Enterococci 280 1 1 0 OR Enterococci 100 1 0 0 OR Enterococci 10	6/24/2015 Yes 2 0.6 0 Enterococci 5 6/25/2015 No Standing Water 7/7/2015 Yes 2 0.3 0 OR Enterococci 6/25/2015 Yes 2 0.3 0 OR Enterococci	30	5 8/23/2014 5 1 1 15LSDO08 5 8/23/2014 5 1 1 12LMH374 5 8/23/2014 5 1 1 12LSDO09 5 8/23/2014 5 1 1 15LSDO08
20DNP140 (previously called 21DMH55 a 10LSDO094 4FSDO204	a 12/6/2012 Yes Enterococci 10 a 12/6/2012 Yes E. coli 9000 8/21/2012 Yes Enterococci 1700 8/8/2012 Yes E. coli 80000	5/7/2013 Yes E. coli 2/6/2013 Yes Enterococci 1/24/2013 Yes E. coli	000 4/22/2014 Yes 450 4/29/2014 Yes 000 4/29/2014 Yes	0 0.1 0 1.53 E. coli 19000	5/7/2015 Yes 0.75 0.6 0 1.57 E.Coli 140 6/11/2015 Yes 0.25 1 0 1.65 Enterococci 20 6/11/2015 Yes 3 10 0 0.342 E.Coli 800	00 00 00 00 00 00 00 00 00 00 00 00 00	5 8/23/2015 2 3 3 20DNP140 5 8/23/2015 4 4 3 10LSDO09 5 8/23/2015 2 2 2 4FSDO204
19GSDO043 11ISDO577 7HSDO105	8/23/2012 No No flow 12/27/2012 Yes 8/21/2012 Yes E. coli 80000 8/9/2012 Yes E. coli 20000		000 6/2/2014 Yes 000 5/27/2014 Yes 000 6/6/2014 Yes	0 10 0 1.18 E. coli 80000 0.75 10 0 0.56 E. coli 80000 0 10 0.1 0.466 E. coli 55000	1/22/2015 Yes 3 10 0 1.79 E.Coli 800 5/18/2015 Yes 0.75 4 0.2 0.796 E.Coli 800 4/16/2015 Yes 0.75 1 0 0.587 E.Coli 800		5 8/23/2015 2 2 4 19GSDO02 5 8/23/2015 2 2 2 11ISDO577 5 8/23/2015 2 2 2 7HSDO105
6GSDO165 13ESDO176 21EMH86	8/8/2012 Yes E. coli 19000 8/14/2012 No No flow 12/21/2012 Yes 9/13/2012 No No flow 1/31/2013 Yes	1/15/2013 Yes E. coli E. coli 6200 1/25/2013 No Standing Water E. coli 280 5/7/2013 Yes E. coli	000 5/22/2014 Yes 12/30/2013 Yes E. Coli 1,100 6/3/2014 No 700 6/24/2014 No	0.75 8 0.1 4.19 E. coli 7800 No Flow 7/28/2014 Yes	4/16/2015 Yes 0.75 0.6 0 3.45 E.Coli 800 0 0.6 0.1 0.077 E. coli 80000 5/14/2015 No No Flow 5/6/2015 Yes 2 5 0 0.149 E.Coli 620	00 6/2/2015 No Standing Water 0.25 0.3 0 0.0263 E. Coli 5300	5 8/23/2015 3 2 2 6GSDO165 5 8/23/2015 2 3 3 13ESDO17 5 8/23/2015 5 3 6 21EMH86
9KSDO16 6GSDO108 18GSDO233	8/21/2012 No Other Not located, No flow/st 12/18/2012 Yes 8/8/2012 Yes E. coli 17000 8/21/2012 Yes E. coli 80000	Enterococci 4300 2/6/2013 No Standing Water 1/25/2013 No Standing Water 1/28/2013 Yes E. coli	12/9/2013 Yes Enterococci 1,100 4/22/2014 No 10/7/2013 Yes E. Coli 3,100 5/22/2014 Yes 000 5/8/2014 Yes	0 0.4 0 1.13 E. coli 2900 4/16/2014 Yes 0 1 0 1.01 E. coli 22000	0 0.8 0 0.479 Enterococci 62000 4/15/2015 No No Flow 0 0 0.1 0.25 E. coli 2200 4/16/2015 Yes 0.5 0.3 0 1.62 E.Coli 600 5/4/2015 Yes 0.5 1 0 1.61 E.Coli 570	00	5 8/23/2015 2 3 3 9KSDO16 5 8/23/2015 3 3 2 6GSDO108 5 8/23/2015 2 2 2 18GSDO23
12FSDO305 21DMH319	8/30/2012 Yes E. coli 80000 8/14/2012 No No flow 12/17/2012 Yes 9/13/2012 Yes E. coli 80000 9/13/2012 Yes E. coli 31000	5/7/2013 No Standing Water E. coli 4700 1/25/2013 No No Flow 5/7/2013 Yes E. coli	12/30/2013 Yes E. Coli 46,000 6/9/2014 No 12/30/2013 No No Flow 5/27/2014 No 000 4/23/2014 Yes 000 4/23/2014 Yes	No Flow 7/16/2014 Yes 0 10 0 1.05 E. coli 80000	0 1 0 0.059 E. coli 80000 5/7/2015 No No Flow 5/7/2015 Yes 1 6 0 1.43 E.Coli 400	6/1/2015 Yes 0.25 0.6 0 0.107 E. Coli 48000	5 8/23/2015 2 2 2 23GSDO13 5 8/23/2015 2 3 3 12FSDO30 5 8/23/2015 2 2 2 21DMH319
21EMH64 7HSDO285 13DSDO077 24GSDO035	9/13/2012 Yes E. coli 31000 8/9/2012 Yes E. coli 52000 8/9/2012 Yes E. coli 13000 9/17/2012 Yes E. coli 21000	5/7/2013 Yes E. coli 1/25/2013 Yes E. coli 1/25/2013 Yes E. coli 6/17/2013 Yes E. coli	000 4/23/2014 Yes 300 6/16/2014 Yes 20 12/24/2013 Yes E. Coli 280 6/9/2014 Yes 600 6/9/2014 Yes	0 0 1.8 E. coli 56000 0 1 0.1 0.554 E. coli 19000 0 0 0 0.364 E. coli 520 5/1/2014 Yes 0 0 0 1.5 E. coli 1700	5/18/2015 Yes 0.25 3 0 0.591 E.Coli 230 0 0.1 0.1 0.177 E. coli 19000 5/11/2015 No Standing Water	00	5 8/23/2015 2 2 2 21EMH64 5 8/23/2015 2 3 2 7HSDO285 5 8/23/2015 2 4 2 13DSDO07 5 8/23/2015 3 3 2 24GSDO03
25MCSO007	8/27/2012 No No flow 12/17/2012 Yes 9/11/2012 Yes Enterococci 21000 8/9/2012 Yes Encoli 30 12/10/2012 Yes	Enterococci 1500 5/16/2013 No No Flow 6/17/2013 Yes Enterococci E. coli 2000 1/24/2013 Yes E. coli	600 6/9/2014 1es 11/27/2013 Yes Enterococci 12,000 5/19/2014 No 500 5/20/2014 Yes 440 5/19/2014 Yes	No Flow 10/17/2014 Yes 1 0.1 0 OR Enterococci 2500	2 0 0 OR Enterococci 6000 5/12/2015 No Standing Water 6/25/2015 Yes 1 0.1 0 OR Enterococci 130	10/1/2015 Yes 1 0.2 0 OR Enterococci 14000	5 8/23/2015 3 3 2 24GSDO03 5 8/23/2015 2 2 3 25MCSO00 5 8/23/2015 3 3 2 29JSDO21 5 8/23/2015 4 4 3 5FSDO253
31OSDO4 13DSDO078	8/23/2012 Yes Enterococci 6000 see 13DSDO77 8/14/2012 No No flow 12/18/2012 Yes	5/7/2013 Yes Enterococci 1/25/2013 Yes E. coli E. coli 80000 1/24/2013 Yes E. coli	580 4/22/2014 Yes 10 12/24/2013 Yes E. Coli 370 6/9/2014 Yes 000 5/27/2014 No	0 0 0.96 Enterococci 30 0 0 0.37 E. coli 1600 5/1/2014 Yes		00 4/21/2015 Yes 0.25 0.2 0.1 1.05 Enterococci 2900 6/2/2015 Yes 0 0.2 0 0.034 E. Coli 10000	5 8/23/2015 4 3 2 31OSDO4 5 8/23/2015 2 4 2 13DSDO07 5 8/23/2015 5 2 2 9ESDO229
5ESDO182 5GSDO115 6DSDO86	8/8/2012 No Standing Water 12/10/2012 Yes 8/9/2012 No No flow 12/10/2012 Yes 8/9/2012 No Standing Water 12/21/2012 Yes	E. coli 540 1/24/2013 No No Flow E. coli 5500 1/15/2013 No No Flow E. coli 56000 1/24/2013 No Standing Water	10/7/2013 Yes E. Coli 66,000 4/29/2014 No 11/27/2013 Yes E. Coli 410 5/19/2014 No 11/27/2013 No Standing Water 5/22/2014 No	No Flow 5/1/2014 Yes No Flow 5/28/2014 Yes Standing Water 5/1/2014 No Standing Water	0 0 0.463 E. coli 1300 1/22/2015 Yes 0 0.1 1 0.641 E.Coli 1 0.5 0 0.198 E. coli 38000 4/15/2015 No No Flow 1/21/2015 No Standing Water	10 6/2/2015 Yes 0 0.2 0 0.052 E. Coli 9000	5 8/23/2015 3 2 4 5ESDO182 5 8/23/2015 2 4 2 5GSDO115 5 8/23/2015 2 2 2 6DSDO86
20GSDO161 8ESDO31 6DSDO85	8/23/2012 Yes E. coli 3400 8/14/2012 Yes E. coli 54000 8/9/2012 No No flow 12/21/2012 Yes	1/28/2013 Yes E. coli 1/24/2013 Yes E. coli E. coli 80000 1/24/2013 No No Flow	450 5/8/2014 Yes 210 10/7/2013 Yes E. Coli 11,000 5/27/2014 Yes 11/27/2013 Yes E. Coli 4,000 5/22/2014 No	0 1 0 1.19 E. coli 31000 0 0.1 0 1.02 E. coli 110 5/1/2014 Yes No Flow 5/1/2014 Yes	1/22/2015 Yes 0.25 0.5 0.2 1.63 E.Coli 61 2 5 0.1 0.163 E. coli 140 1/22/2015 Yes 0.75 0 0 0.781 E.Coli 2 0.3 0 0.076 E. coli 290 1/21/2015 No No Flow	00 00 00 0.5 0.6 0.1 0.174 E. Coli 5600 0.2/2015 Yes 0.25 0.4 0 0.056 E. Coli 4400	5 8/23/2015 2 4 3 20GSDO16 5 8/23/2015 4 2 2 8ESDO31 5 8/23/2015 4 3 2 6DSDO85
27JSDO096 (DOT) 5GSDO112 30JSDO30 8 JSDO102	9/18/2012 No No flow 12/17/2012 Yes 8/9/2012 No Other : dry outfall standing w 12/10/2012 Yes 9/11/2012 No No flow 8/9/2012 No No flow 12/17/2012 Yes	Enterococci 2700 7/15/2013 No No Flow E. coli 630 1/25/2013 No Standing Water 7/11/2013 Yes Enterococci Enterococci 5700 2/6/2013 Yes Enterococci	12/30/2013 No Standing Water 6/20/2014 No 10/7/2013 Yes E. Coli 79,000 5/19/2014 No 700 5/21/2014 Yes	No Flow 5/1/2014 Yes 1 0 0 OR Enterococci 100	5/26/2015 No Standing Water 0 0 0.1 0.066 E. coli 2900 4/15/2015 No No Flow 7/22/2015 Yes 1.5 0.8 0 2.67 Enterococci 26 4/15/2015 No No Flow		5 8/23/2015 3 3 3 27JSDO09 5 8/23/2015 3 2 4 5GSDO112 5 8/23/2015 4 3 3 30JSDO30 5 8/23/2015 4 4 2 8JSDO102
8JSDO102 24CSDO039 (2014 replaces 24CMH14) 4FSDO119 8JSDO103		Enterococci 5700 2/6/2013 Yes Enterococci 2/6/2013 Yes E. coli E. coli 1700 1/25/2013 No Standing Water 1/15/2013 Yes E. coli	160 5/22/2014 No 10 11/27/2013 Yes E. Coli 16,000 6/24/2014 Yes 12/30/2013 No Standing Water 4/29/2014 No 900 5/22/2014 Yes	0 0.1 0 1.9 E. coli 17000 6/26/2014 Yes Standing Water 5/1/2014 Yes	0 0.1 0 1.02 E. coli 1800 5/7/2015 No No Flow	4/21/2015 Yes 0.25 0.2 0 0.0763 Enterococci 1800	5 8/23/2015 4 4 2 8JSDO102 5 8/23/2015 2 2 3 24CSDO03 5 8/23/2015 4 3 3 4FSDO119 5 8/23/2015 3 3 3 8JSDO103
21KSDO069	9/26/2012 No Standing Water 12/18/2012 Yes 9/12/2012 Yes E. coli 2600 8/9/2012 Yes E. coli 24000	Enterococci 17000 7/18/2013 Yes Enterococci 2/6/2013 Yes E. coli 2/6/2013 Yes E. coli	200 6/20/2014 Yes 150 41631 Yes E. Coli 1500 4/29/2014 Yes 400 5/20/2014 Yes	0 10 0 3.57 Enterococci 1500 1 0.2 1 1.98 E. coli 30 5/1/2014 Yes	7/9/2015 No Standing Water 0 0.1 0.1 0.541 E. coli 650 1/21/2015 No No Flow 1/21/2015 Yes 0.5 0.4 0 0.651 E.Coli 5	40	5 8/23/2015 3 3 2 21KSDO06 5 8/23/2015 4 3 3 4FMH90 (D 5 8/23/2015 3 3 2 6DMH97
	9/21/2012 Yes Enterococci 24000 9/11/2012 No No flow 12/17/2012 Yes 8/23/2012 No Standing water 12/17/2012 Yes	2/6/2013 Yes Enterococci Enterococci 5600 7/11/2013 No No Flow Enterococci 560 2/7/2013 No Standing Water	000 7/21/2014 Yes 12/24/2013 Yes Enterococci 50 5/21/2014 No 11/27/2013 Yes Enterococci 22,000 4/22/2014 No	0.5 0.6 0 OR Enterococci 160 No Flow 10/2/2014 Yes	7/9/2015 Yes 0.5 0.4 0.1 2.22 Enterococci 4 1.5 0.8 0 7.35 Enterococci 4200 6/25/2015 No No Flow		5 8/23/2015 4 2 2 25NCSO00 5 8/23/2015 3 4 2 29JSDO02 5 8/23/2015 2 2 4 30PSDO10
12BSDO124 8JSDO41 5ESDO183	8/9/2012 Yes E. coli 58000 8/10/2012 No No flow 12/17/2012 Yes 8/8/2012 No No flow 12/10/2012 Yes	1/25/2013 Yes E. coli E. coli 3100 1/15/2013 No No Flow E. coli 7700 1/24/2013 No No Flow	10 6/2/2014 No 12/2/2013 No No Flow 6/2/2014 No 12/23/2013 Yes E. Coli 360 4/29/2014 No	No Flow 5/1/2014 Yes No Flow 5/1/2014 No Standing Wate	0 0 0 0.13 E. coli 5400 5/5/2015 No No Flow 1/22/2015 No No Flow	6/1/2015 No Standing Water 4/21/2015 Yes 0.25 0.1 0 0.272 E. Coli 380 6/2/2015 No Standing Water	5 8/23/2015 4 4 2 12BSDO12 5 8/23/2015 3 3 3 8JSDO41 5 8/23/2015 4 4 3 5ESDO183
9KSDO101 6GSDO110 21MCSO078	8/22/2012 Yes Enterococci 710 8/8/2012 No No flow 12/10/2012 Yes 10/3/2012 Yes Enterococci 5600 2/20/2012 Yes Fatarrancei 4400	2/6/2013 Yes Enterococci E. coli 12000 1/15/2013 Yes E. coli 5/15/2013 Yes Enterococci	000 4/22/2014 Yes 160 10/7/2013 Yes E. Coli 3,500 5/22/2014 Yes 740 7/21/2014 Yes	0.4 0.1 0 1.01 E. coli 280 5/1/2014 Yes 1 0 0 3.82 Enterococci 1400	4/15/2015 Yes 0.25 0.3 0 0.825 Enterococci 2 0 0.1 0 0.944 E. coli 25000 4/15/2015 Yes 0.25 0 0 2.06 E.Coli 2 7/22/2015 Yes 0.5 0.3 0.1 3.08 Enterococci 2	30 30 60	5 8/23/2015 3 2 3 9KSDO101 5 8/23/2015 2 3 2 6GSDO110 5 8/23/2015 3 3 2 21MCSO07
21MSDO50 5CSDO110 13ESDO175 30JSDO19	8/22/2012 Yes Enterococci 4100 8/9/2012 No No flow 12/10/2012 Yes 8/14/2012 No Standing Water 12/21/2012 Yes 9/11/2012 Yes Enterococci 80 12/17/2012 Yes	5/15/2013 Yes Enterococci E. coli 13000 2/6/2013 Yes E. coli E. coli 10000 1/25/2013 Yes E. coli Enterococci 1900 7/11/2013 Yes Enterococci	80 7/3/2014 Yes 300 6/9/2014 Yes 170 12/24/2013 Yes E. Coli 1,500 6/3/2014 Yes 150 5/21/2014 Yes	0.5 0.6 0.1 5.36 Enterococci 1000 0 10 0 0.662 E. coli 3500 0 0.8 0 0.591 E. coli 300 7/16/2014 Yes 1 0.1 0 OR Enterococci 10	5/11/2015 Yes 0.75 0.6 0 5 Enterococci 2 1/21/2015 Yes 0 0 0 0 0.656 E.Coli 1 0 0.1 0 0.212 E. coli 40000 5/14/2015 Yes 0.25 0 0.1 0.614 E.Coli 1 6/25/2015 Yes 1 0 0 OR Enterococci	50 10 70	5 8/23/2015 3 4 3 21MSDO50 5 8/23/2015 3 3 2 5CSDO110 5 8/23/2015 2 3 3 13ESDO17 5 8/23/2015 4 4 3 30JSDO19
	9/11/2012 Yes Enterococci 80 12/11/2012 Yes 9/12/2012 No No flow 12/27/2012 Yes 8/27/2012 Yes Enterococci 3500 8/8/2012 Yes E. coli 80000	Enterococci E. coli 620 2/6/2013 No No Flow 6/17/2013 Yes Enterococci 1/15/2013 Yes E. coli	12/9/2013 Yes E. Coli 21,000 4/22/2014 Yes 670 5/21/2014 Yes 230 5/22/2014 Yes	0 0.6 0 0.446 E. coli 210 7/16/2014 Yes	0.75 0.9 0 0.381 E. coli 33000 5/6/2015 Yes 0.25 0.3 0 0.129 E.Coli 5/26/2015 Yes 1.5 0.3 0 Enterococci 4/16/2015 Yes 0.5 0 0 4.77 E.Coli	70 50 50	5 8/23/2015 4 4 3 303SDO19 5 8/23/2015 2 2 4 23BMH89 5 8/23/2015 4 3 3 28KSDO61 5 8/23/2015 3 4 2 6GSDO109
23LCSO064 9KSDO100 26KSDO099	9/24/2012 Yes Enterococci 54000 8/21/2012 No No flow 12/17/2012 Yes 9/24/2012 Yes Enterococci 2500	5/16/2013 Yes Enterococci Enterococci 22000 6/17/2013 Yes Enterococci 7/16/2013 Yes Enterococci	000 7/3/2014 Yes 120 4/22/2014 Yes 110 5/7/2014 Yes	1.5 1 0 OR Enterococci 180 0.5 0 0 0.504 Enterococci 40	7/9/2015 Yes 1.5 0.2 0.1 3.92 Enterococci 4/15/2015 Yes 0.25 0 0 0.426 Enterococci 5/8/2015 Yes 1 2 0 5.57 Enterococci	30 30 20	5 8/23/2015 4 2 2 23LCSO06 5 8/23/2015 4 4 2 9KSDO100 5 8/23/2015 2 4 3 26KSDO09
22LSDO580 5GSDO116 28LCSO012	9/11/2012 Yes Enterococci 2400 7/31/2012 No No flow 12/10/2012 Yes 9/21/2012 Yes Enterococci 1700	5/16/2013 Yes Enterococci E. coli 3700 1/15/2013 No No Flow 2/6/2013 Yes Enterococci	30 5/21/2014 Yes 10/7/2013 Yes E. Coli 10,000 5/19/2014 Yes 60 7/3/2014 Yes	0.25 0 0 OR Enterococci 180 0 0.1 0.4 0.813 E. coli 10 5/28/2014 Yes	5/11/2015 Yes 2 0.6 0 Enterococci 1 5 0 0.237 E. coli 46000 4/15/2015 Yes 0.25 0.2 0.4 1.33 E.Coli 6/11/2015 Yes 2 0 0 Enterococci	10 10 10	5 8/23/2015 4 4 3 22LSDO58 5 8/23/2015 2 3 3 5GSDO110 5 8/23/2015 4 4 3 28LCSO01
6DSDO187 14CSDO9 20DMH62	8/9/2012 Yes E. coli 71000 8/9/2012 Yes E. coli 4900 12/6/2012 No No flow 12/27/2012 Yes	1/24/2013 Yes E. coli 1/25/2013 Yes E. coli E. coli 1100 2/6/2013 Yes E. coli	510 5/22/2014 Yes 000 6/9/2014 Yes 330 4/22/2014 No	0.25 10 0 0.582 E. coli 7200 No Flow	1/21/2015 Yes 0 0 0.1 0.568 E.Coli 5/18/2015 No No Flow 5/7/2015 No Insufficient Flow	9/30/2015 Yes 0 0.3 0 0.036 E. Coli 39000	5 8/23/2015 3 4 2 6DSDO18 5 8/23/2015 3 2 3 14CSDO9 2 8/23/2018 4 4 3 20DMH62
23LSDO164	9/21/2012 Yes Enterococci 660 8/24/2012 Yes Enterococci 10 9/11/2012 Yes Enterococci 400 8/27/2012 Yes Enterococci 90	6/17/2013 Yes Enterococci 6/17/2013 Yes Enterococci 5/16/2013 No No Flow 7/15/2013 Yes Enterococci	90 5/20/2014 Yes 100 5/21/2014 Yes 11/27/2013 Yes Enterococci 2,400 5/21/2014 Yes 800 5/21/2014 Yes	1.5 0 0 OR Enterococci 240 1.5 0 0.2 OR Enterococci 150 10/2/2014 Yes	6/25/2015 Yes 1.5 0 0 OR Enterococci 7/9/2015 Yes 3 0 0 OR Enterococci 2 0 0 OR Enterococci 7000 5/11/2015 Yes 1 0.2 0.1 Enterococci 5/26/2015 Yes 2 0.8 0 Enterococci 800	20 10	4 8/23/2018 4 4 3 29JCSO01 4 8/24/2018 4 4 4 25LSDO05 4 8/25/2018 2 3 4 23LSDO16 2 8/23/2018 2 3 4 28KSDO06
28KSDO010 11BSDO123 14EMH36 11GSDO344 (11GMH246)	8/14/2012 Yes Enterococci 90 8/14/2012 No Standing water 12/27/2012 Yes 9/13/2012 No No flow 12/21/2012 Yes 8/21/2012 No No flow 12/27/2012 Yes	E. coli 200 1/25/2013 No Standing Water E. coli 400 5/15/2013 No No Flow E. coli 510 1/25/2013 No No Flow	12/23/2013 Yes E. Coli 670 6/2/2014 No 12/30/2013 Yes E. Coli 900 6/16/2014 No 12/9/2013 Yes E. Coli 220 6/9/2014 No	Standing Water 5/1/2014 Yes No Flow 7/16/2014 Yes	5/26/2015 Yes 2 0.8 0 Enterococci 800 0 0.8 0.1 0.073 E. coli 4100 5/5/2015 No Standing Water 0 0 0.139 E. coli 5700 5/7/2015 No Insufficient Flow 0.5 10 1 0.216 E. coli 5300 5/5/2015 No No Flow	6/1/2015 Yes 0 0.8 0 0.798 E. Coli 80000 6/1/2015 Yes 0.25 0.6 0 0.264 E. Coli 80000 6/1/2015 Yes 0 0.6 0 0.1 E. Coli 80000	2 8/23/2018 2 3 4 28KSDO01 2 8/23/2018 3 4 4 11BSDO12 2 8/23/2018 3 4 4 14EMH36 2 8/23/2018 3 4 4 11GSDO34
22CSDO384 7CSDO006	8/22/2012 Yes E. coli 10 8/14/2012 No Standing Water 12/27/2012 Yes 8/14/2012 No No flow 12/18/2012 Yes	2/6/2013 Yes E. coli E. coli 1300 1/24/2013 Yes E. coli E. coli 360 1/25/2013 No No Flow	10 12/2/2013 Yes E. Coli 1,500 4/22/2014 Yes 190 11/27/2013 Yes E. Coli 2,300 6/9/2014 Yes	0 0 0 0.457 E. coli 10 6/26/2014 Yes 1 0.1 0 0.458 E. coli 1600 7/16/2014 Yes Standing Water 7/16/2014 Yes	0.25 0.4 0 0.345 E. coli 22000 1/21/2015 Yes 0.25 0 0 0.615 E.Coli 2 0 0.6 0.2 0.145 E. coli 80000 5/18/2015 No Standing Water Standing Water 0 0.3 0 0.069 E. coli 1200 5/7/2015 No No Flow	60 6/1/2015 Yes 0 0.3 0 0.259 E. Coli 80000 6/1/2015 Yes 0.25 0.6 0 0.181 E. Coli 76000	2 8/23/2018 2 3 4 22CSDO38 2 8/23/2018 2 3 3 7CSDO006 2 8/23/2018 3 4 4 12ESDO41
24DSDO150 24DSDO032 17FSDO12	8/22/2012 Yes E. coli 20 8/22/2012 Yes E. coli 1500 8/21/2012 No No flow 12/27/2012 Yes	5/7/2013 No No Flow 5/7/2013 Yes E. coli E. coli 690 1/25/2013 Yes E. coli	12/9/2013 Yes E. Coli 1,700 6/9/2014 No 300 6/9/2014 Yes 10 5/8/2014 Yes	No Flow 6/26/2014 Yes 0 0 0 2.23 E. coli 30 0 0 0 0.523 E. coli 90	0 0.1 0.1 0.056 E. coli 210 1/21/2015 No No Flow 1/21/2015 No Standing Water 1/21/2015 Yes 0.25 0.8 0 1.35 E.Coli 4	6/1/2015 Yes 0 0.3 0 0.038 E. Coli 75000 6/1/2015 Yes 0 0.1 0 0.26 E. Coli 65000 60 9/30/2015 Yes 0.25 0.8 0 0.069 E. Coli 64000	2 8/23/2018 4 3 4 24DSDO15 2 8/23/2018 4 3 3 24DSDO03 2 8/23/2018 4 4 4 17FSDO12
13FSDO12	8/14/2012 Yes E. coli 500 8/14/2012 No Standing water 12/27/2012 Yes 8/14/2012 No No flow 12/27/2012 Yes	1/24/2013 Yes E. coli E. coli 10 1/25/2013 No Standing Water E. coli 690 5/16/2013 No No Flow	10 11/27/2013 Yes E. Coli 60 5/27/2014 Yes 12/30/2013 No No Flow 6/9/2014 No 12/30/2013 Yes E. Coli 2,100 6/9/2014 No	No Flow 7/28/2014 No Standing Water Standing Water 7/28/2014 Yes	0 0.6 0 0.071 E. coli 80000 5/18/2015 No No Flow	6/1/2015 Yes 0.5 1 0 0.343 E. Coli 58000 6/2/2015 Yes 0.25 0.3 0 0.114 E. Coli 50000 6/2/2015 Yes 0.25 0.3 0 0.124 E. Coli 46000	2 8/23/2018 4 4 4 8BSDO12 2 8/23/2018 4 4 4 13FSDO9 2 8/23/2018 2 3 4 13FSDO12
19LCSO085 21CSDO212 23HSDO040 11GSDO344 (11GMH247)	10/25/2012 Yes Enterococci 100 8/22/2012 No Standing water 12/27/2012 Yes 8/27/2012 No No flow 12/27/2012 Yes 8/21/2012 No Standing water 12/27/2012 Yes	6/17/2013 No Standing Water E. coli 240 2/6/2013 Yes E. coli E. coli 290 5/7/2013 No Standing Water E. coli 390 1/25/2013 No Standing Water	6/20/2014 Yes 210 12/2/2013 Yes E. Coli 10 4/22/2014 Yes 12/30/2013 No Standing Water 4/22/2014 No 12/9/2013 Yes E. Coli 4,500 6/9/2014 No		0.5 0.8 0 1.68 Enterococci 46000 7/9/2015 No Standing Water 0.5 0.4 0.2 0.111 E. coli 23000 1/21/2015 Yes 0.25 0 0 0.88 E.Coli 1 er 5/4/2015 No Standing Water 0 3 0 0.161 E. coli 42000 5/5/2015 No Standing Water	30 6/1/2015 Yes 0.25 0.3 0 0.258 E. Coli 45000 6/1/2015 Yes 0.25 0.4 0 0.179 E. Coli 43000 6/1/2015 No Standing Water	2 8/23/2018 2 4 4 19LCSO08 2 8/23/2018 2 4 4 21CSDO21 2 8/23/2018 4 4 4 23HSDO04 2 8/23/2018 2 3 4 11GSDO34
25ESDO037 8CSDO25 21HSDO048	8/21/2012 No Standing water 12/27/2012 Yes 8/22/2012 No Standing water 12/27/2012 Yes 8/14/2012 Yes E. coli 300 8/27/2012 No Standing water 12/27/2012 Yes	E. coli 390 1/25/2013 No Standing Water E. coli 1300 5/7/2013 Yes E. coli 1/24/2013 Yes E. coli E. coli 300 1/28/2013 No Standing Water	10 6/10/2014 Yes 10 5/27/2014 Yes 12/30/2013 No No Flow 6/10/2014 No	0 0.2 0 0.314 E. coli 160 0 0 0 0.345 E. coli 210	1/21/2015 No Standing Water 1/22/2015 Yes 0.25 0 0 0.274 E.Coli 0 0.3 0 0.049 E. coli 25000 1/22/2015 No No Flow	6/1/2015 No Standing Water 6/1/2015 Yes 0.25 0.6 0 0.314 E. Coli 28000 10 6/15/2015 Yes 0.25 0.4 0 0.11 E. Coli 26000 6/1/2015 No Standing Water	2 8/23/2018 2 3 4 HGSD03 2 8/23/2018 4 4 3 25ESD003 2 8/23/2018 4 4 4 8CSD025 2 8/23/2018 2 4 4 21HSD004
26KSDO254 - new 2014 8KSDO49 6HSDO106	8/10/2012 No No flow 12/17/2012 Yes 8/8/2012 No No flow 12/21/2012 Yes	Enterococci 1300 2/6/2013 No No Flow E. coli 680 1/15/2013 No No Flow	5/7/2014 No 12/9/2013 Yes Enterococci 7,500 5/22/2014 No 11/27/2013 Yes E. Coli 1,300 5/27/2014 No	No Flow 10/2/2014 No Insufficient Flo No Flow 7/15/2014 No No Flow No Flow 7/16/2014 Yes	5/8/2015 No Standing Water 4/15/2015 No No Flow 0 0.4 1 0.037 E. coli 23000 4/16/2015 No No Flow	10/29/2015 Yes 0.25 0.4 0 0.101 Enterococci 24000 4/21/2015 Yes 0.25 0.4 0 0.375 Enterococci 23000 10/29/2015 No No Flow	2 8/23/2018 4 NA NA 26KSDO25 2 8/23/2018 4 2 3 8KSDO49 2 8/23/2018 2 3 4 6HSDO106
4FSDO118 5FSDO117 8ISDO209	7/31/2012 No No flow 12/10/2012 Yes 7/31/2012 Yes E. coli 40 12/10/2012 Yes 8/10/2012 No No flow 12/17/2012 Yes	E. coli 500 1/24/2013 No No Flow E. coli 730 1/25/2013 Yes E. coli E. coli 410 1/15/2013 No No Flow	10/7/2013 Yes E. Coli 6,800 4/29/2014 No 60 10/7/2013 Yes E. Coli 100 5/19/2014 Yes 11/22/2013 Yes E. Coli 1,400 5/27/2014 No	0 0 0 1.25 E. coli 60 5/28/2014 Yes No Flow 7/16/2014 Yes	0 0.3 0 0.052 E. coli 19000 5/5/2015 No No Flow	6/15/2015 Yes 0 0 0 0.125 E. Coli 23000 60 6/2/2015 Yes 0.25 0.6 0 0.124 E. Coli 22000 4/21/2015 No Insufficient Flow	2 8/23/2018 3 3 4 4FSDO118 2 8/23/2018 2 4 4 5FSDO117 2 8/23/2018 2 3 4 8ISDO209
8ISDO158 26LSDO70 23HSDO042	8/10/2012 No No flow 12/17/2012 Yes 11/5/2012 No No flow 2/27/2013 Yes 8/27/2012 No Standing water 12/27/2012 Yes	E. coli 740 1/15/2013 No No Flow Enterococci 5000 7/15/2013 Yes Enterococci E. coli 170 5/7/2013 No Standing Water	11/22/2013 Yes E. Coli 1,800 5/27/2014 No 140 5/7/2014 No 12/30/2013 No Standing Water 4/22/2014 No	No Flow Standing Water 7/28/2014 Yes	7/9/2015 Yes 1.5 2 0 OR Enterococci 66 0.25 0.8 0 0.62 E. coli 25000 5/4/2015 No Standing Water	00 4/21/2015 Yes 0 0.1 0.2 0.916 E. Coli 2400 40 4/21/2015 Yes 1 2 0 7.82 Enterococci 14000 6/1/2015 Yes 0 0.1 0 0.117 E. Coli 13000 10 6/1/2015 Yes 0 0.2 0 0.110 E. Coli 13000	2 8/23/2018 3 3 4 8ISDO158 2 8/23/2018 4 4 6 26LSDO7 2 8/23/2018 2 5 5 23HSDO0
8CSDO26 26GSDO01 1FSDO31 23LSDO196	see above 9/11/2012 Yes E. coli 20 7/31/2012 No No flow 12/10/2012 Yes 8/22/2012 Yes Enterococci 140	1/24/2013 Yes E. coli	10 11/27/2013 Yes E. Coli 11,000 5/27/2014 Yes 140 6/10/2014 Yes 12/9/2013 No Standing Water 4/29/2014 No 230 6/16/2014 Yes	No Flow 5/28/2014 Yes	0 0.4 0.2 0.352 E. coli 40 1/22/2015 Yes 0.25 0 0 0.226 E.Coli 5/6/2015 Yes 0.25 2 0 0.997 E.Coli 1 2 0 0.054 E. coli 48000 1/21/2015 No No Flow 7/8/2015 Yes 2 0.6 0.1 OR Enterococci 75	10 6/15/2015 Yes 0.5 0.3 0 0.119 E. Coli 12000 20 9/30/2015 Yes 0 0.2 0 0.031 E. Coli 12000 6/2/2015 Yes 0 0.1 0 0.021 E. Coli 8200	2 8/23/2018 4 2 4 8CSDO26 2 8/23/2018 4 4 4 26GSDO01 3 8/23/2018 2 4 4 1FSDO31 2 8/23/2018 4 4 4 23LSDO19
21NCSO80 26FSDO038 9LSDO095	10/3/2012 Yes Enterococci 140	7/16/2013 Yes Enterococci 7/16/2013 No No Flow E. coli 30 5/15/2013 Yes E. coli 2/6/2013 Yes Enterococci	230 6/16/2014 Yes 7/21/2014 No 200 6/10/2014 No 160 4/22/2014 Yes	No Flow 11/6/2014 Yes	0 2 0 0.164 Enterococci 31000 7/22/2015 No Standing Water 5/5/2015 No Standing Water	11/11/2015 Yes 1 0.2 0 4.38 Enterococci 7500 9/30/2015 Yes 0 0.2 0 0.034 E. Coli 7300 70 4/21/2015 Yes 0.5 0.4 0 3.5 Enterococci 7000	2 8/23/2018 4 4 4 23LSDO19 2 8/23/2018 2 3 3 21NCSO80 3 8/23/2018 3 3 4 26FSDO03 2 8/23/2018 4 4 4 9LSDO095
5FSDO245 8ESDO33 30PSDO62	8/8/2012 Yes E. coli 1100 8/14/2012 No No flow 12/17/2012 Yes 8/23/2012 No Standing water 12/17/2012 Yes	1/25/2013 No Standing Water E. coli 1600 1/24/2013 No No Flow Enterococci 520 2/7/2013 No Standing Water	12/9/2013 Yes E. Coli 250 5/19/2014 No 10/7/2013 Yes E. Coli 1,600 5/27/2014 No 11/27/2013 Yes Enterococci 3,600 4/22/2014 Yes	Standing Water 5/1/2014 Yes No Flow 5/1/2014 Yes 0 7 0 1.81 Enterococci 10 10/2/2014 Yes	0 0.1 0.1 0.102 E. coli 3100 4/15/2015 No Standing Water 0 1 0.1 0.478 E. coli 170 1/22/2015 No No Flow 0.25 0.4 0.1 0.078 Enterococci 6500 7/8/2015 No No Flow	6/2/2015 Yes 0 0.1 0 0.296 E. Coli 6800 6/1/2015 Yes 0.5 0.3 0 0.954 E. Coli 6700	3 8/23/2018 3 4 3 5FSDO245 3 8/23/2018 4 3 3 8ESDO33 2 8/23/2018 2 3 3 30PSDO62
19GSDO199 6DSDO83 19LCSO084	8/27/2012 No Other Not located 8/9/2012 No No flow 12/21/2012 Yes 10/25/2012 Yes Enterococci 80	5/16/2013 No Other E. coli 780 1/24/2013 No No Flow 6/17/2013 No Standing Water	11/27/2013 Yes E. Coli 1500 5/8/2014 No 11/27/2013 Yes E. Coli 3,200 5/22/2014 No 1/15/2014 Yes Enterococci 13000 6/20/2014 No	Other 8/13/2014 Yes No Flow 5/1/2014 Yes No Flow 11/6/2014 No No Flow	1 2 0 0.073 E. coli 5900 5/4/2015 No No Flow 3 0 0 0.097 E. coli 1100 1/21/2015 No No Flow 7/9/2015 No No Flow	6/2/2015 Yes 0.25 0.1 0 0.02 E. Coli 5200 11/11/2015 Yes 0.75 0.6 0 7.58 Enterococci 4600	3 8/23/2018 3 3 NA 19GSDO19 3 8/23/2018 3 3 4 6DSDO83 3 8/23/2018 4 2 4 19LCSO08
6CMH117 23LSD0075 8ISD0155	9/12/2012 No No flow 12/21/2012 Yes 8/22/2012 Yes Enterococci 1600 8/10/2012 No No flow 12/17/2012 Yes	E. coli 280 2/6/2013 No No Flow 5/14/2013 Yes Enterococci E. coli 640 1/15/2013 No No Flow	11/27/2013 Yes E. Coli 250 5/20/2014 No 460 7/3/2014 Yes 11/22/2013 Yes E. Coli 590 5/27/2014 No	1 3 0 9.37 Enterococci 1900 No Flow 4/16/2014 Yes	0.25 0.4 0.1 0.1 E. coli 17000 1/21/2015 No No Flow 5/11/2015 Yes 0.75 10 0 5.71 Enterococci 45 0 0 0.248 E. coli 210 5/5/2015 No No Flow	6/15/2015 Yes 0.5 0.6 0 0.073 E. Coli 4600 00 6/15/2015 Yes 0.5 0.8 0 0.172 E. Coli 4500	3 8/23/2018 2 4 4 6CMH117 3 8/23/2018 3 4 3 23LSDO07 3 8/23/2018 4 4 4 8ISDO155
23LSDO074	8/21/2012 Yes E. coli 280 9/25/2012 No Standing water 1/31/2013 Yes 9/11/2012 No No flow 12/18/2012 Yes 0/13/2013 Yes 40	1/25/2013 Yes E. coli Enterococci 1900 7/15/2013 No Standing Water Enterococci 600 5/14/2013 No Standing Water	12/9/2013 Yes Enterococci 490 7/3/2014 No	Standing Water 10/17/2014 No Standing Water No Flow 10/2/2014 Yes	0.75 7 0 0.127 Enterococci 73000 7/9/2015 No No Flow		3 8/23/2018 2 3 4 15FSDO28 3 8/23/2018 3 4 6 27JSDO00 3 8/23/2018 2 4 3 23LSDO07
12BSDO33	9/12/2012 Yes E. coli 40 8/14/2012 No No flow 12/17/2012 Yes 8/9/2012 No Other CNL outfall 8/21/2012 Yes E. coli 10	2/6/2013 Yes E. coli E. coli 1300 1/24/2013 No No Flow 5/28/2013 Yes E. coli 5/15/2013 Yes E. coli	10 12/24/2013 Yes E. Coli 40 4/29/2014 Yes 11/27/2013 Yes E. Coli 3,000 5/27/2014 No 20 12/23/2013 Yes E. Coli 230 6/2/2014 Yes 10 5/27/2014 No	No Flow 5/1/2014 Yes 0 0 0 0.25 E. coli 60 5/1/2014 Yes	0 0 0 5.71 E. coli 60 1/22/2015 Yes 1 0 0 3.82 E.Coli	10 10/29/2015 Yes 0.25 0.4 0 0.381 E. Coli 3600 10 6/1/2015 Yes 0.75 1 0.1 2.18 E. Coli 3500 10 6/1/2015 Yes 0 0.4 0 0.229 E. Coli 3500 6/1/2015 Yes 0.25 0.1 0 0.0414 E. Coli 3100	3 8/23/2018 3 4 4 3FMH56 (E 3 8/23/2018 4 3 3 8ESDO35 3 8/23/2018 4 4 NA 12BSDO33 3 8/23/2018 4 4 4 9BSDO49
4ESDO69 13ESDO174	8/21/2012 Yes E. coli 10 7/31/2012 Yes E. coli 820 8/14/2012 No Standing water 12/21/2012 Yes 9/24/2012 No Standing water 1/31/2013 Yes	5/15/2013 Yes	10 5/2//2014 No 10 4/29/2014 No 12/2/2013 No Standing Water 6/3/2014 Yes 11/27/2013 Yes E. Coli 3,000 6/20/2014 No	0.75 1 0 2.61 E. coli 21000 7/16/2014 Yes	1/21/2015 No No Flow 1 1 0 2.05 E. coli 8300 5/14/2015 Yes 0.75 0.1 0 2.66 E.Coli 29		3 8/23/2018 4 4 4 9BSDO49 3 8/23/2018 4 4 4 4ESDO69 3 8/23/2018 2 4 4 13ESDO17 3 8/23/2018 3 3 7 26JCSO04
10LSDO096 28IMH15	8/21/2012 Yes Enterococci 470 9/12/2012 No Standing water 1/31/2013 Yes 8/9/2012 No Standing water 12/27/2012 Yes	2/6/2013 Yes Enterococci E. coli 70 5/16/2013 No Standing Water E. coli 490 6/17/2013 No No Flow	300 4/22/2014 Yes 1/15/2014 Yes Enterococci 550 5/20/2014 No 11/27/2013 No Insufficient Flow 6/2/2014 No	0.75 3 0 9.94 Enterococci 810 Standing Water 7/28/2014 No Standing Water No Flow 5/1/2014 Yes	6/11/2015 Yes 0.5 0.4 0 5.45 Enterococci 25 5/6/2015 Yes 0.25 0.2 0 0.0731 E.Coli 25 0 0.8 0 0.552 E. coli 820 1/22/2015 No No Flow	00 9/30/2015 No Standing Water 6/1/2015 Yes 0.25 0.4 0 0.0244 E. Coli 2400	3 8/23/2018 3 3 4 10LSDO09 3 8/23/2018 3 3 6 28IMH15 3 8/23/2018 4 4 4 10BSDO15
	9/17/2012 Yes E. coli 10 12/27/2012 Yes	E. coli 480 1/28/2013 No Standing Water		Standing Water 7/16/2014 Yes		00 6/2/2015 No Standing Water	3 8/23/2018 2 4 4 21HSDO04

Table 2-5. 2016 Revised F	Priority Ranking and Schedule									
	2012 Dry Weather	2012 Wet Weather	2013 Dry Weather	2013 Wet Weather	201	4 Dry Weather	2014 Wet Weather ¹	2015 Dry Weather	2015 Wet Weather ²	Bu B
	ason cteria	Collection ason	ason cteria	ason cteria	Collection ason	nts (mg/L) ppt) ppt) rteria cteriaCollee	ason a (mg/L) ppt) cteria	nDati	FUCollection Ppt) Ppt) Ppt) Ppt	Ranki Ranki Ranki Ranki
	pectio	pection ples.	pection pectio	pectio nples of Bac	pectio	factar monia inity (linity (li	Vo_Re	pectio pectio nples_ factar factar inity (pectio pe	2016 nedule mpleting 2015 2014 2013
Facility_ID 26LSDO106	11/12/2012 No No flow		8 5 1 5 1 5 6	12/30/2013 No Standing Water	7/22/2014 No No Flow	지	1.5 10 0 2.61 Enterococci 800	8 8 8 8 8 8 8 9 9 00 7/9/2015 No No Flow No No <td>10/29/2015 Yes</td> <td>2100 3 8/23/2018 2 4 6 26LSDO106</td>	10/29/2015 Yes	2100 3 8/23/2018 2 4 6 26LSDO106
29NCSO014 25MCSO005	9/21/2012 No Standing water 9/21/2012 No		10 5/16/2013 Yes Enterococci 1 00 2/6/2013 Yes Enterococci 7	0	7/21/2014 No Other S 7/3/2014 No No Flow	Sediment Blockage 11/6/2014 Yes	0.75 0.6 0 3.09 Enterococci 31	7/8/2015 Yes 1.5 0.4 0 4.05 Enterococci 00 5/12/2015 No No Flow	2000 11/11/2015 No Standing Water 11/11/2015 Yes 0.75 0.1 0 2.95 Enterococci	3 8/23/2018 4 4 7 29NCSO014 2000 3 8/23/2018 3 3 7 25MCSO005
1ESDO24 20DMH19	7/31/2012 Yes E. coli 2 9/13/2012 Yes E. coli 2	40 12/10/2012 Yes E. coli 35	50 1/24/2013 No Standing Water 5/7/2013 Yes E. coli 1	10/7/2013 Yes E. Coli 9	90 4/29/2014 No No Flow 4/22/2014 Yes	5/28/2014 Yes 0 0 0.927 E. coli 230		00 1/21/2015 No No Flow 5/7/2015 No No Flow	6/2/2015 Yes 0 0.1 0 0.02 E. Coli 9/30/2015 Yes 0 0.3 0.1 0.182 E. Coli	2000 3 8/23/2018 3 4 4 1ESDO24 1800 3 8/23/2018 4 4 4 20DMH19
3ESDO185 27JSDO044	7/31/2012 No Standing water 9/18/2012 No No flow	12/10/2012 Yes E. coli 170 1/31/2013 Yes Enterococci 150	00 1/24/2013 No Standing Water 00 7/16/2013 No Standing Water	10/7/2013 Yes E. Coli 5,30	00 6/9/2014 Yes 6/20/2014 No No Flow		0 0.2 0.1 0.087 E. coli 17 tanding Water	00 1/21/2015 No No Flow 5/26/2015 No No Flow	4/22/2015 No Standing Water	3 8/23/2018 3 3 3ESDO185 3 8/23/2018 3 4 6 27JSDO044
25GSDO041 29JSDO129 28LSDO074/28LSDO075/28LSDO076	8/22/2012 No No flow 9/11/2012 No No flow 6 9/18/2012 Yes Enterococci 8	12/27/2012 Yes E. coli 1 12/17/2012 Yes Enterococci 110	10 5/7/2013 No No Flow 00 6/17/2013 Yes Enterococci 1 7/11/2013 Yes Enterococci 30	12/9/2013 Yes E. Coli 1	10 6/10/2014 No No Flow 5/21/2014 Yes 5/20/2014 Yes	7/28/2014 Yes 1 0.1 0 OR Enterococci 10 1 0 0 OR Enterococci 250	0 0 0 1.41 E. coli 200	00 5/5/2015 Yes 0.25 3 0 3.5 E.Coli 6/25/2015 Yes 1 0.1 0 OR Enterococci 5/27/2015 Yes 0.25 0.1 0 OR Enterococci	50 9/30/2015 Yes 0 0.2 0 0.021 E. Coli 1400	1400 3 8/23/2018 2 4 4 25GSDO041 3 8/23/2018 4 4 3 29JSDO129 3 8/23/2018 4 4 4 28LSDO074/28L
12HSDO1 (12HMH26) 12MSDO091	8/21/2012 Yes Enterococci 15 8/21/2012 Yes Enterococci 15	12/21/2012 Yes E. coli 110	7/17/2013 Tes Enterococci 30 00 1/25/2013 No Standing Water 2/6/2013 Yes Enterococci 18	12/30/2013 No Standing Water	6/10/2014 No Standing Water 6/2/2014 Yes	7/16/2014 No Sta	tanding Water	5/18/2015 No Standing Water 7/7/2015 Yes 1.5 0.4 0 OR Enterococci	6/2/2015 No Standing Water	3 8/23/2018 3 3 12HSDO1 (12HN 3 8/23/2018 4 4 4 12MSDO091
26KCSO052 27LCSO010	9/24/2012 Yes Enterococci 24 9/21/2012 Yes Enterococci 17	40 70	7/16/2013 No No Flow 2/6/2013 Yes Enterococci 5	12/30/2013 Yes Enterococci 68	80 5/7/2014 No No Flow 7/3/2014 No Standing Water	10/2/2014 Yes	1.5 0.6 0 OR Enterococci 24	00 7/9/2015 Yes 1.5 0.2 0 OR Enterococci 6/11/2015 Yes 2 0.1 0 Enterococci	120 4/21/2015 Yes 1.2 1 0 6.1 Enterococci 190 11/23/2015 Yes 3 0.3 0 7.14 Enterococci	910 3 8/23/2018 3 3 4 26KCSO052 800 3 8/23/2018 4 4 4 27LCSO010
6HSDO107 4FSDO203	8/8/2012 No No flow 7/31/2012 No No flow	12/21/2012 Yes E. coli 15 12/17/2012 Yes E. coli 7	50 1/15/2013 No No Flow 70 1/24/2013 No No Flow	11/27/2013 Yes E. Coli 75 12/30/2013 No No Flow	50 5/27/2014 No No Flow 4/29/2014 No No Flow	7/16/2014 No Sta 5/1/2014 Yes	tanding Water 0 0 0 0.065 E. coli 11	4/16/2015 No No Flow 00 1/22/2015 No No Flow	9/30/2015 No No Flow 9/30/2015 Yes 0.25 0.1 0 0.016 E. Coli	4 8/23/2018 4 4 4 6HSDO107 710 4 8/23/2018 3 4 4 4FSDO203
25DSDO040 21HCSO046-1 (15GMH290)	8/30/2012 No No flow 3/28/2013 Yes E. coli 36	12/27/2012 Yes E. coli 60	7/9/2013 No No Flow 7/17/2013 Yes E. coli 1900	12/9/2013 No No Flow 0	6/10/2014 No No Flow 7/22/2014 Yes	8/13/2014 Yes 0 0.6 0 0.864 E. coli 20000	0 0.1 0 0.071 E. coli 7	00 1/21/2015 No No Flow 5/18/2015 Yes 0.25 0.6 0 0.658 E.Coli	6/1/2015 No No Flow 4000	4 8/23/2018 4 4 4 25DSDO040 2 8/23/2019 2 2 7 21HCSO046-1 (*
21HCSO046-1 (19HMH222) 21HCSO046-1 (23IMH1)	3/28/2013 Yes E. Coli 280 3/28/2013 Yes E. Coli 22	00 20	7/17/2013 Yes E. coli 400 7/17/2013 No Standing Water	0	7/22/2014 Yes 7/22/2014 Yes	0 0.2 0 1.1 E. coli 3500 0 0.1 0 0.575 E. coli 5500 11/6/2014 Yes	0.5 0.4 0 0.812 E. coli 28	5/18/2015 Yes 0 0.3 0 0.691 E.Coli 00 5/18/2015 Yes 0 0.2 0 0.403 E.Coli	6200 1300	3 8/23/2019 3 3 7 21HCSO046-1 (2 3 8/23/2019 3 3 7 21HCSO046-1 (2
21KCSO070 (21KMH557) 8ISDO207	9/25/2012 No Standing water 8/10/2012 No No flow	5/9/2013 Yes Enterococci 60 12/17/2012 Yes E. coli 160	00 5/16/2013 No Standing Water 00 1/15/2013 No No Flow		00 6/20/2014 Yes 00 5/27/2014 No No Flow	1 0.1 0 OR Enterococci 570 11/6/2014 Yes 4/16/2014 Yes		00 7/22/2015 Yes 2 0.4 0 OR Enterococci 20 5/5/2015 No No Flow	1200 4/21/2015 Yes 0 0.1 0 0.0978 E. Coli	3 8/23/2019 2 2 7 21KCSO070 (21 620 4 8/23/2019 4 3 3 8ISDO207
31PSDO84 29NSDO015	8/23/2012 Yes Enterococci 37 8/27/2012 Yes Enterococci 16	70 60	2/7/2013 Yes Enterococci 2 5/16/2013 Yes Enterococci 1	0 0	4/22/2014 Yes 5/19/2014 Yes	0 0.1 0 4.9 Enterococci 10 1 0 0 OR Enterococci 40		7/8/2015 Yes 0.75 0.4 0 3.09 Enterococci 7/7/2015 Yes 1 0 0 OR Enterococci	70 4/21/2015 Yes 0.5 0.1 0 2.31 Enterococci 520	560 3 8/23/2019 4 4 4 31PSDO84 3 8/23/2019 4 4 4 29NSDO015
25LSDO144 24NCSO003	8/24/2012 Yes Enterococci 120 9/21/2012 No Standing water		5/28/2013 Yes Enterococci 31 40 5/16/2013 Yes Enterococci 10	0	5/21/2014 Yes 7/21/2014 Yes	1.5 0.4 0 OR Enterococci 2300 1 4 0 1.86 Enterococci 20		7/9/2015 Yes 1.5 0.4 0 OR Enterococci 7/7/2015 Yes 0.75 1 0 OR Enterococci	500	3 8/23/2019 3 4 3 25LSDO144 4 8/23/2019 4 4 7 24NCSO003
23LSDO15 7HSDO348 16LSDO097	8/22/2012 No Standing water 8/8/2012 No Standing water 8/22/2012 Vos Enterococci 27	1/31/2013 Yes Enterococci 26 12/17/2012 Yes E. coli 27	50 5/14/2013 Yes Enterococci 16 70 1/15/2013 No Standing Water	0 10/7/2013 Yes E. Coli 47	5/21/2014 Yes 70 5/27/2014 No No Flow	1 1 0.1 OR Enterococci 490 5/28/2014 Yes	0.25 0.4 0 0.076 E. coli 310	7/8/2015 No Standing Water 00 4/16/2015 No No Flow 6/24/2015 Ves 2 0.4 0 Enterocessi	4/21/2015 Yes 0.25 0.3 0 0.282 E. Coli	4 8/23/2019 4 4 6 23LSDO15 440 4 8/23/2019 2 4 4 7HSDO348 4 8/23/2019 4 4 4 16LSDO097
16LSDO097 3ESDO207 6DSDO91	8/22/2012 Yes Enterococci 27 7/31/2012 No Standing water 8/9/2012 No Standing water	70 1/16/2013 Yes E. coli 6 12/21/2012 Yes E. coli 50	5/15/2013 Yes Enterococci 1 60 1/24/2013 No No Flow 00 1/24/2013 No Standing Water	0 10/7/2013 Yes E. Coli 31,00 11/27/2013 Yes E. Coli 13	6/3/2014 Yes 00 7/22/2014 No No Flow 30 5/22/2014 No Standing Water	1 0.1 0 OR Enterococci 210 5/1/2014 Yes 5/1/2014 Yes	0 1 0.1 0.084 E. coli 2 0 0.5 0 0.196 E. coli 3	6/24/2015 Yes 2 0.4 0 Enterococci 60 1/21/2015 No No Flow 90 1/21/2015 No Standing Water	430 6/15/2015 Yes 0 0.4 0 0.028 E. Coli 6/2/2015 No Standing Water	4 8/23/2019 4 4 4 16LSDO097 410 4 8/23/2019 4 2 4 3ESDO207 4 8/23/2019 4 4 4 6DSDO91
24LCSO060 5ESDO184	8/9/2012 No Standing water 9/21/2012 Yes Enterococci 62 8/8/2012 No Standing water	12/21/2012 Yes E. COII 50 20 12/10/2012 Yes E. coli 49	5/16/2013 Yes Enterococci 31 90 1/25/2013 Yes E. coli 8	0 0	7/22/2014 No Standing Water 7/22/2014 Yes 4/29/2014 Yes	1 0.2 0 OR Enterococci 3600 1 0 0 0.931 E. coli 350	0 0.5 0 0.196 E. COII 3	90 1/21/2015 No Standing Water 7/9/2015 Yes 1.5 0.4 0.1 4.12 Enterococci 1/22/2015 Yes 0.25 0 0 0.542 E.Coli	390 350	4 8/23/2019 4 4 4 6DSDO91 4 8/23/2019 3 4 3 24LCSO060 4 8/23/2019 4 4 4 5ESDO184
5GSDO116A 19GSDO194	7/31/2012 No No flow 8/27/2012 Yes E. coli 30	12/10/2012 Yes E. coli 61		0 10/7/2013 Yes E. Coli 4,70 0 11/27/2013 Yes E. Coli 1,10	00 5/19/2014 Yes 00 5/8/2014 Yes	0 0.1 0 1.47 E. coli 200 4/16/2014 Yes 0 2 0.1 1.65 E. coli 530 6/26/2014 Yes	0 0 0 1.17 E. coli 3 0 0.2 0 0.328 E. coli 270	70 4/15/2015 Yes 0.25 0 0 0.342 E.Coli 00 1/22/2015 Yes 0.25 0.4 0 0.895 E.Coli	270 4/21/2015 Yes 0 0.1 0.1 1.01 E. Coli	310 4 8/23/2019 4 3 4 5GSDO116A 4 8/23/2019 2 3 4 19GSDO194
21MCSO079 7HSDO346	10/3/2012 Yes Enterococci 6 8/8/2012 No No flow	60 12/17/2012 Yes E. coli 23	5/15/2013 Yes Enterococci 8 30 1/15/2013 No No Flow	0 11/27/2013 Yes E. Coli 1,10 11/27/2013 Yes E. Coli 37	7/21/2014 Yes 70 5/27/2014 No No Flow	1 0 0 OR Enterococci 60 5/28/2014 Yes		7/22/2015 Yes 0.75 0.4 0 0.893 E.Coli 0.00 4/16/2015 No No Flow	270 4/21/2015 Yes 0.25 0.4 0 0.056 E. Coli	4 8/23/2019 2 3 4 19935D0194 4 8/23/2019 4 4 4 21MCSO079 260 4 8/23/2019 2 4 4 7HSDO346
25LCSO057 8ISDO154	9/21/2012 Yes Enterococci 2/8/14/2012 Yes E. coli 2/	40	6/17/2013 Yes Enterococci 5 1/15/2013 Yes E. coli 1	0	7/22/2014 Yes 00 5/27/2014 Yes	1 0.2 0 OR Enterococci 230 0 0.1 0 0.577 E. coli 40 4/16/2014 Yes		7/9/2015 No Standing Water 00 5/5/2015 Yes 0.5 1 0 0.72 E.Coli	190 4/21/2015 Yes 0 0.3 0 0.196 E. Coli	4 8/23/2019 4 4 4 25LCSO057 200 4 8/23/2019 3 2 4 8ISDO154
12BSDO14 29MSDO049	8/9/2012 No No Flow 8/23/2012 Yes Enterococci 7	12/17/2012 Yes E. coli 20	00 1/25/2013 No No Flow 2/6/2013 Yes Enterococci 2	11/27/2013 No Standing Water	6/2/2014 No No Flow 5/19/2014 Yes	5/1/2014 No Sta 1 0.1 0 OR Enterococci 110		5/5/2015 No No Flow 7/7/2015 Yes 1 0 0 OR Enterococci	6/1/2015 No Standing Water	4 8/23/2019 4 4 4 12BSDO14 4 8/23/2019 4 4 4 29MSDO049
18LCSO086 6GSDO111	10/25/2012 Yes Enterococci 5 8/8/2012 Yes E. coli 27	50 70	6/17/2013 No Standing Water 1/15/2013 Yes E. coli 220	1/15/2014 Yes Enterococci 13 0	30 6/20/2014 Yes 5/22/2014 Yes	1.5 0 0.1 OR Enterococci 10 11/6/2014 Yes 0 0 0.1 2.72 E. coli 170	2 0.6 0 OR Enterococci	50 7/22/2015 Yes 0 0.2 0.4 0.451 Enterococci 4/16/2015 Yes 0.5 0 0 2.73 E.Coli	160 160	4 8/23/2019 4 4 4 18LCSO086 4 8/23/2019 4 3 4 6GSDO111
11MSDO093 28KSDO386	8/22/2012 Yes Enterococci 13 8/27/2012 No No flow	30 12/17/2012 Yes Enterococci 91	2/6/2013 Yes Enterococci 1 10 6/17/2013 Yes Enterococci 6	0 0	6/2/2014 Yes 5/21/2014 Yes	1 2 0 OR Enterococci 1100 1 0 OR Enterococci 50		6/11/2015 Yes 1 2 0 6.38 Enterococci 5/27/2015 Yes 0.25 0.8 0 OR Enterococci	150 140	4 8/23/2019 3 4 4 11MSDO093 4 8/23/2019 4 4 3 28KSDO386
26KSDO050 23LCSO062	9/24/2012 Yes Enterococci 9/24/2012 No Standing water	10 5/9/2013 Yes Enterococci 10	7/15/2013 Yes Enterococci 10 00 7/15/2013 Yes Enterococci 1	0 0	5/21/2014 Yes 7/22/2014 Yes	0 0.3 0 0.579 Enterococci 10 2 0.1 0 OR Enterococci 140		7/9/2015 Yes 2 0.2 0 OR Enterococci 7/9/2015 No Standing Water	140 4/21/2015 Yes 0 1.3 0 0.267 E. Coli	20 4 8/23/2019 4 4 4 26KSDO050 4 8/23/2019 4 4 7 23LCSO062
22KCSO065 22LCSO073	9/24/2012 Yes Enterococci 12 9/24/2012 Yes Enterococci 26	20 60	5/16/2013 Yes Enterococci 3 5/16/2013 Yes Enterococci 6	0 0	7/21/2014 Yes 6/16/2014 Yes	1 0.1 0 OR Enterococci 420 1 0 0 OR Enterococci 100		7/22/2015 Yes 3 0.1 0.1 OR Enterococci 7/9/2015 Yes 3 0.3 0 OR Enterococci	120 90	4 8/23/2019 4 4 4 22KCSO065 4 8/23/2019 4 4 4 22LCSO073
28LCSO019 26JSDO101	9/21/2012 No Standing water 9/24/2012 Yes Enterococci	5/9/2013 No No Flow 10	7/11/2013 No No Flow 8/1/2013 Yes Enterococci 14	5	7/21/2014 Yes 5/21/2014 Yes	2 0 0 OR Enterococci 10 11/6/2014 Yes 0 0 0.206 Enterococci 90	2 0.1 0 OR Enterococci	60 5/27/2015 Yes 0.25 0 OR Enterococci 7/22/2015 Yes 0.25 0.2 0 0.265 Enterococci	90 40 4/21/2015 Yes 0.25 0.1 0.1 0.408 E. Coli	4 8/23/2019 4 4 7 28LCSO019 80 4 8/23/2019 4 4 4 26JSDO101
29MCSO013 5ESDO180	9/21/2012 Yes Enterococci 25 8/8/2012 No No Flow	50 12/10/2012 Yes E. coli 2	2/6/2013 Yes Enterococci 2 20 1/24/2013 No No Flow	0 12/23/2013 Yes E. Coli 2 ²	7/3/2014 Yes 10 6/9/2014 No No Flow	1 0.4 0.1 8.72 Enterococci 50 5/1/2014 Yes	0 0.2 0 0.15 E. coli	7/7/2015 Yes 1 0.3 0 OR Enterococci 70 1/22/2015 No No Flow	70 6/2/2015 No No Flow	4 8/23/2019 4 4 4 29MCSO013 4 8/23/2019 4 4 4 5ESDO180
16LSDO122 27LSDO020/27LSDO022	8/24/2012 No Standing water 8/27/2012 Yes Enterococci 3 10/3/2012 Yes Enterococci 3	12/18/2012 Yes Enterococci 39	90 5/28/2013 Yes Enterococci 13 7/16/2013 Yes Enterococci 1	0	6/3/2014 Yes 5/20/2014 Yes 7/21/2014 Yes	1 1 0 OR Enterococci 20 1 0.1 0 OR Enterococci 1700 1 1 0 OR Enterococci 250		6/24/2015 Yes 1 3 0 8.62 Enterococci 5/26/2015 Yes 3 0.1 0 Enterococci 12/1/2015 Yes 2 3 0 4.45 Enterococci	60 60	4 8/23/2019 4 4 4 16LSDO122 4 8/23/2019 3 4 4 27LSDO020/27L 4 8/23/2019 4 3 4 21LCSO076
21LCSO076 17MSDO33	8/24/2012 Yes Enterococci 7	70 70	5/15/2013 Yes Enterococci 120 5/28/2013 Yes Enterococci 2 6/17/2013 Yes Enterococci 14	0	6/20/2014 Yes	1 1 0 OR Enterococci 250 1 0 0 OR Enterococci 130 1 0 0 OR Enterococci 50		7/7/2015 Yes 1.5 0.6 0 OR Enterococci	50	4 8/23/2019 4 4 4 17MSDO33
24LSDO233 29NSDO135 26KSDO35	9/26/2012 Yes Enterococci 21 8/23/2012 Yes Enterococci 54 9/24/2012 Yes Enterococci 29	40 an	6/17/2013 Yes Enterococci 14 2/6/2013 Yes Enterococci 14 8/1/2013 Yes Enterococci 34	0	5/21/2014 Yes 5/19/2014 Yes 5/21/2014 Yes	1 0.1 0 OR Enterococci 440 1.5 0.3 0 OR Enterococci 780		7/8/2015 No Standing Water 7/7/2015 Yes 3 0.4 0 OR Enterococci 7/9/2015 Yes 2 0.3 0 OR Enterococci	40	4 8/23/2019 4 4 4 24LSDO233 4 8/23/2019 4 4 3 29NSDO135 4 8/23/2019 3 4 4 26KSDO35
24LSDO22 - new 2014 12HSDO92	8/14/2012 Yes E. coli 3	30	1/25/2013 No Standing Water	12/30/2013 Yes E. Coli 3	7/22/2014 Yes 30 6/10/2014 No Standing Water	1 0.2 0 OR Enterococci 30 7/16/2014 No Sta	tanding Water	7/8/2015 No Other Const 5/7/2015 No Standing Water	6/2/2015 No Standing Water	4 8/23/2019 3 4 4 26RSDO33 4 8/23/2019 4 NA NA 24LSDO22 - new 4 8/23/2019 4 4 4 12HSDO92
22KCSO072 22KCSO068	9/24/2012 Yes Enterococci 6 9/25/2012 No Standing water	60 5/9/2013 Yes Enterococci 71	5/16/2013 Yes Enterococci 17/ 10 7/18/2013 No No Flow	0	6/20/2014 Yes 00 6/16/2014 Yes	1 0 0 OR Enterococci 290 1 0.2 0 OR Enterococci 100 11/6/2014 Yes		7/9/2015 Yes 3 0.2 0 OR Enterococci 00 7/9/2015 Yes 1.5 0.2 0 4.05 Enterococci	20 20	4 8/23/2019 4 4 4 22KCSO072 4 8/23/2019 3 3 7 22KCSO068
6GSDO166 19MCSO082	8/8/2012 No No flow 10/25/2012 Yes Enterococci	12/10/2012 Yes E. coli 110	00 1/15/2013 Yes E. coli 54 5/15/2013 Yes Enterococci 150	0	5/22/2014 Yes 7/2/2014 Yes	0 1 0 0.277 E. coli 1200 1 1 0 OR Enterococci 20		4/16/2015 Yes 0.25 0.1 0 0.223 E.Coli 7/9/2015 Yes 0.5 0.6 5 OR Enterococci	20 10	4 8/23/2019 3 4 3 6GSDO166 4 8/23/2019 4 3 4 19MCSO082
21MSDO010 19NCSO081	8/22/2012 Yes Enterococci 2 10/25/2012 No No Flow	20 5/9/2013 No No Flow	5/16/2013 Yes Enterococci 1 5/15/2013 No No Flow	0	5/8/2014 Yes 7/2/2014 Yes	1 3 0 OR Enterococci 110 2 0.25 0.25 OR Enterococci 240 11/6/2014 Yes	1.5 0.4 0 OR Enterococci 1	5/11/2015 Yes 2 0.4 0 Enterococci 40 7/9/2015 Yes 2 0.3 0 OR Enterococci	10 10	4 8/23/2019 4 4 4 21MSDO010 4 8/23/2019 4 4 7 19NCSO081
24CSDO174 23LSDO202	8/22/2012 Yes E. coli 3 8/22/2012 Yes Enterococci 6	30 60	2/6/2013 Yes E. coli 23 5/14/2013 Yes Enterococci 3	0 12/9/2013 Yes E. Coli 1,50 0	00 4/22/2014 Yes 5/8/2014 Yes	0 0.8 0 1.48 E. coli 10 6/26/2014 Yes 2 0 0 OR Enterococci 10	0 0.6 0 0.126 E. coli 45	00 5/7/2015 Yes 0.25 0.3 0 1.29 E.Coli 5/11/2015 Yes 2 0.1 0 Enterococci	10 10	4 8/23/2019 3 3 4 24CSDO174 4 8/23/2019 4 4 4 23LSDO202
30JSDO6 13FSDO11	9/11/2012 Yes Enterococci 280 8/14/2012 Yes E. coli 3	00 12/17/2012 Yes Enterococci 90 30	00 7/11/2013 Yes Enterococci 3 1/25/2013 Yes E. coli 1	0 0	5/21/2014 Yes 6/9/2014 Yes	1 0 0 OR Enterococci 10 0 0.2 4 0.361 E. coli 60		6/25/2015 Yes 1 0.1 0.1 OR Enterococci 5/18/2015 Yes 0 0.1 1 0.432 E.Coli	10 10	4 8/23/2019 4 4 4 30JSDO6 4 8/23/2019 4 4 4 13FSDO11
26LCSO009 25MCSO006	9/21/2012 Yes Enterococci 20 8/27/2012 Yes Enterococci 66	00 60	2/6/2013 Yes Enterococci 1 5/16/2013 Yes Enterococci 53	0	7/3/2014 Yes 5/19/2014 Yes	2 0.4 0 OR Enterococci 60 1 0.1 0 OR Enterococci 450		6/11/2015 Yes 1 0 0 Enterococci 5/12/2015 Yes 1 0 0.1 Enterococci	10 10	4 8/23/2019 4 4 4 26LCSO009 4 8/23/2019 4 3 3 25MCSO006
6DSDO57 21HSDO047 (20HMH38)	8/9/2012 No Standing water 8/30/2012 Yes E. coli 90	12/10/2012 Yes E. coli 46	50 1/24/2013 Yes E. coli 1 1/28/2013 Yes E. coli 1	0 11/27/2013 Yes E. Coli 1,40 0 12/30/2013 Yes E. Coli 13	00 5/20/2014 Yes 30 6/10/2014 Yes	0 0 0 0.713 E. coli 40000 7/16/2014 Yes 0 5 0.1 0.103 E. coli 210 7/16/2014 Yes	0 0.2 0.2 0.046 E. coli 200 0 0.3 0 0.049 E. coli 5	00 1/21/2015 Yes 0 0 0.6 0.196 E.Coli 30 1/22/2015 Yes 0 0 0 0.0085 E.Coli	10	4 8/23/2019 2 3 4 6DSDO57 4 8/23/2019 4 4 4 21HSDO047 (20
26JSDO052 20GSDO164 - new 2014 26LSDO084	8/27/2012 Yes E. coli 8/23/2012 No No Flow	12/17/2012 Yes Enterococci 11	8/1/2013 Yes E. coli 1 10 2/6/2013 Yes Enterococci 2	0	5/21/2014 Yes 6/24/2014 No Standing Water 5/7/2014 Yes	0.5 10 0 1.78 Enterococci 10 1 0.1 0 OR Enterococci 10		5/6/2015 No Standing Water 1/22/2015 No No Flow 5/8/2015 No No Flow	9/30/2015 No Standing Water	4 8/23/2019 4 4 4 26JSDO052 4 8/23/2019 4 NA NA 20GSDO164 - no 4 8/23/2019 4 4 4 26LSDO084
19MCSO083 28LSDO073	10/25/2012 Yes Enterococci 11/ 9/18/2012 No Other CNL	10 Enterococci 11	5/15/2013 Yes Enterococci 1 7/15/2013 No Other	0	7/2/2014 No No Flow 5/20/2014 No No Flow	1 0.1 0 OK EIREIOCOCCI 10		7/9/2015 No No Flow 5/27/2015 No No Flow	11/11/2015 No No Flow	4 8/23/2019 4 4 4 19MCSO083 4 8/23/2019 4 4 NA 28LSDO073
4FSDO1 - new 2014 29PSDO005 - new 2015	0,10,2012 110 0110				6/24/2014 No No Flow			1/22/2015 No No Flow 7/8/2015 No No Flow	6/15/2015 No No Flow	4 8/23/2019 4 NA NA 4FSDO1 - new 2 4 8/23/2019 NA NA NA 29PSDO005 - ne
8FSDO1 - new 2015 13FSDO96 - new 2015								7/7/2015 No No Flow 12/1/2015 No No Flow		4 8/23/2019 NA NA NA 8FSDO1 - new 2 4 8/23/2019 NA NA NA 13FSDO96 - new
13FSDO97 - new 2015 28LSDO077	9/18/2012 No Other CNL		7/15/2013 No Other		5/20/2014 No Other C	CNL		12/1/2015 No No Flow 5/27/2015 No Other CNL		4 8/23/2019 NA NA NA 13FSDO97 - nev 4 8/23/2019 4 4 NA 28LSDO077
11BMH49 (DCR 11BSDO28) 12BSDO10	9/12/2012 No No flow 8/9/2012 No Other Unable to access, ar		00 2/6/2013 No No Flow 5/28/2013 No No Flow	12/30/2013 No No Flow 11/27/2013 No No Flow	6/24/2014 No No Flow 6/2/2014 No No Flow	7/28/2014 No No 5/1/2014 No Sta		5/5/2015 No No Flow 5/5/2015 Yes 0 0.1 0 0.783 E.Coli	6/1/2015 Yes 0.25 1 0 0.104 E. Coli 680 6/1/2015 Yes 0.25 0.6 0 0.297 E. Coli	80000 5 Conditionally 5 5 5 11BMH49 (DCR 80000 5 Conditionally 5 5 NA 12BSDO10
2FSDO120 9ESDO243	8/21/2012 Yes E. coli 16 8/14/2012 Yes E. coli 3	60 12/10/2012 Yes E. coli 59 30 12/27/2012 Yes E. coli 1	90 1/24/2013 Yes E. coli 1 10 1/25/2013 Yes E. coli 3	0	4/29/2014 Yes 5/27/2014 Yes	0 0 0 1.47 E. coli 10 0 0.2 0 0.775 E. coli 40		1/21/2015 Yes 0.5 0 0 1.87 E.Coli 1/22/2015 Yes 0.25 0.1 0 0.721 E.Coli	10 6/2/2015 Yes 0 0 0.312 E. Coli 10 6/15/2015 Yes 0.5 0.4 0 0.085 E. Coli	23000 5 Conditionally 5 5 5 2FSDO120 14000 5 Conditionally 5 5 5 9ESDO243
3ESDO186 2ESDO5	7/31/2012 No Standing water 7/31/2012 No Standing water	12/10/2012 No Standing Water 12/10/2012 Yes E. coli 8	1/25/2013 No Standing Water 30 1/24/2013 No Standing Water		6/9/2014 No Standing Water 20 4/29/2014 No No Flow	5/1/2014 No Sta 5/28/2014 Yes	0 0.8 0 0.093 E. coli 21	1/21/2015 No Standing Water 00 1/21/2015 No No Flow	6/15/2015 Yes 0.5 2 0 0.12 E. Coli 6/2/2015 Yes 0 0.2 0 0.056 E. Coli	12000 5 Conditionally 5 5 6 3ESDO186 12000 5 Conditionally 5 5 5 2ESDO5
24GSDO034 5FSDO254	8/30/2012 No Standing water 8/9/2012 No No flow		00 7/9/2013 No Standing Water 80 1/15/2013 No No Flow	12/9/2013 Yes E. Coli 18	50 7/22/2014 No Standing Water 80 5/19/2014 No No Flow	7/28/2014 Yes 5/28/2014 Yes	0.5 0.3 0 0.112 E. coli 370	00 5/4/2015 Yes 0.25 2 0 2.17 E.Coli 00 1/22/2015 No No Flow	10 9/30/2015 Yes 0 0.3 0 0.048 E. Coli 6/2/2015 Yes 0.25 0.3 0 0.086 E. Coli	10000 5 Conditionally 5 5 5 24GSDO034 8300 5 Conditionally 5 5 5 5FSDO254
23HMH81 6DSDO84	9/12/2012 No Standing water 8/9/2012 No No flow	12/27/2012 Yes E. coli 12/21/2012 Yes E. coli 12/21/2012 Yes E. coli 12/21/2013 Yes	10 6/21/2013 No No Flow 20 1/24/2013 No No Flow 20 1/25/2013 No Standing Water	12/30/2013 No Standing Water 11/27/2013 No Standing Water	7/23/2014 No No Flow 5/22/2014 No No Flow	8/13/2014 Yes 5/1/2014 Yes	0 0 0 0.015 E. coli 80	00 5/18/2015 No Standing Water 00 1/21/2015 No No Flow	10/29/2015 No No Flow 6/2/2015 No Standing Water	5 Conditionally 5 5 5 23HMH81 5 Conditionally 5 5 5 6DSDO84
4FSDO189 5FSDO244 8BSDO126	8/8/2012 No No flow 8/8/2012 No No flow 8/14/2012 No Standing water	12/10/2012 Yes E. coli 3 12/10/2012 Yes E. coli 17 12/27/2012 Yes E. coli 24	30 1/25/2013 No Standing Water 70 1/25/2013 No No Flow	10/7/2013 Yes E. Coli	00 4/29/2014 No No Flow 30 6/9/2014 No Standing Water 40 5/27/2014 No Standing Water	5/1/2014 Yes 7/16/2014 Yes 7/28/2014 Yes	0 0.3 0.1 0.161 E. coli 190	00 1/22/2015 No No Flow 00 4/15/2015 No Standing Water	6/2/2015 Yes 0 0.2 0 0.126 E. Coli 6/2/2015 Yes 0 0 0 0.096 E. Coli	7100 5 Conditionally 5 5 5 4FSDO189 7000 5 Conditionally 5 5 5 5FSDO244 6000 5 Conditionally 5 5 5 8RSDO136
8BSDO126 4FSDO16 2FSDO85	8/14/2012 No Standing water 8/8/2012 No Standing water 8/8/2012 No Standing Water	12/27/2012 Yes E. coli 21 12/10/2012 No Standing Water 12/10/2012 Yes E. coli 7	10 2/6/2013 No Standing Water 1/25/2013 No Standing Water 70 1/24/2013 No No Flow	11/27/2013 Yes E. Coli 54 12/30/2013 No Standing Water 10/7/2013 Yes E. Coli 1700	40 5/27/2014 No Standing Water 4/29/2014 No No Flow 00 7/22/2014 No No Flow	7/28/2014 Yes 5/1/2014 No Sta 5/28/2014 Yes	tanding Water	00 1/22/2015 No No Flow 1/22/2015 No No Flow 00 1/21/2015 No No Flow	6/1/2015 Yes 0.25 1 0 0.151 E. Coli 6/15/2015 Yes 0.5 1 0 0.068 E. Coli 6/2/2015 Yes No Value 0 0.2 0 0.034 E. Coli	6000 5 Conditionally 5 5 5 8BSDO126 5600 5 Conditionally 5 5 6 4FSDO16 5200 5 Conditionally 5 5 5 2FSDO85
2FSD085 2FMH120 (DCR 2FSD099) 13BSD011	9/25/2012 No Standing Water 9/25/2012 No No flow 8/14/2012 No Standing water	12/10/2012 Yes E. coli 18 12/21/2012 Yes E. coli 18 12/21/2012 Yes E. coli 7	70 1/24/2013 No No Flow 30 2/6/2013 No No Flow 70 1/25/2013 No Standing Water	12/30/2013 No No Flow 12/30/2013 No No Flow	5/19/2014 No No Flow 6/9/2014 No No Flow	5/28/2014 Yes 7/16/2014 Yes 5/1/2014 Yes	0.25 0.2 0 0.038 E. coli 200	00 1/21/2015 No No Flow 00 1/21/2015 No No Flow 00 5/18/2015 No No Flow	10/29/2015 Yes No Value 0 0.2 0 0.034 E. Coli 10/29/2015 Yes 0.25 1 0 0.055 E. Coli 6/2/2015 No No Flow	3300 5 Conditionally 5 5 5 2FSD085 5 Conditionally 5 5 5 2FMH120 (DCR 5 Conditionally 5 5 5 13BSD011
20GSDO163 5ESDO181	8/23/2012 No No flow 8/8/2012 No No flow	12/27/2012 Yes E. coli 12/10/2012 Yes E. coli 10	10 1/25/2013 No Standing Water 10 1/28/2013 No Standing Water 00 1/24/2013 No No Flow	11/27/2013 Yes E. Coli 25 12/23/2013 Yes E. Coli 77	50 5/8/2014 No No Flow 70 4/29/2014 No No Flow	6/26/2014 Yes	0 0.6 0 0.265 E. coli 19 0 0 0.1 0.149 E. coli 2 tanding Water	00 5/18/2015 No No Flow 1/22/2015 No No Flow 1/22/2015 No No Flow	9/30/2015 Yes 0 0.1 0 0.034 E. Coli 6/2/2015 No No Flow	1200 5 Conditionally 5 5 5 13BSDOT1 1200 5 Conditionally 5 5 5 20GSDO163 5 Conditionally 5 5 5 5ESDO181
8ISDO156 6FSDO233	8/8/2012 No No How 8/10/2012 No No flow 8/8/2012 No Standing water	12/17/2012 Yes E. coli 15 12/27/2012 Yes E. coli 21	50 1/24/2013 No No Flow 50 1/15/2013 No No Flow 10 1/15/2013 No Standing Water		70 4/29/2014 NO NO Flow 00 5/27/2014 No No Flow 5/22/2014 No Standing Water	4/16/2014 Yes		00 5/5/2015 No No Flow 4/15/2015 No No Flow	4/21/2015 No No Flow 4/21/2015 Yes 0 0.1 0 0.193 E. Coli 10/29/2015 No No Flow	680 5 Conditionally 5 5 5 6FSDO156 5 Conditionally 5 5 5 6FSDO233
8ISDO153 6DSDO184	8/10/2012 No No flow 8/9/2012 No Standing water	12/17/2012 Yes E. coli 2 12/21/2012 Yes E. coli 5	20 1/15/2013 No No Flow 50 1/24/2013 No Standing Water	11/27/2013 Yes E. Coli 12 12/30/2013 No Standing Water	20 5/27/2014 No No Flow 5/22/2014 No Standing Water	7/15/2014 No No	o Flow tanding Water	5/5/2015 No No Flow 1/21/2015 No Standing Water	10/29/2015 No No Flow 6/2/2015 No Standing Water	5 Conditionally 5 5 5 6DSDO153 5 Conditionally 5 5 5 6DSDO184
23LSDO195 7HSDO347	8/22/2012 No No flow 8/8/2012 No No flow	1/31/2012 Yes Enterococci 44 12/21/2012 Yes E. coli	40 6/17/2013 No No Flow 60 1/15/2013 No No Flow	11/27/2013 Yes Enterococci 110	00 5/8/2014 Yes 00 5/27/2014 No No Flow	1 10 0 8.49 Enterococci 410 10/2/2014 Yes 5/1/2014 Yes	1 0.8 0 3.66 Enterococci 38	00 5/11/2015 Yes 2 0.3 0 Enterococci 00 4/16/2015 No No Flow	30 4/21/2015 Yes 0 0.1 0 0.111 E. Coli	5 Conditionally 5 5 6 23LSDO195 20 5 Conditionally 5 5 5 7HSDO347
8JSDO50 12HSDO1 (12HMH27)	8/14/2012 Yes E. coli 4 8/21/2012 No Standing water	40 12/17/2012 Yes E. coli 23 12/21/2012 Yes E. coli 1	30 1/15/2013 Yes E. coli 1 10 1/25/2013 No Standing Water	0 11/22/2013 Yes E. Coli 56 12/30/2013 No Standing Water	60 5/27/2014 Yes 6/10/2014 No Standing Water	0 0 0.1 0.92 E. coli 10 4/16/2014 Yes 7/16/2014 No St	0 0 0.626 E. coli 6 tanding Water	70 5/7/2015 Yes 0.25 0 0 1.42 E.Coli 5/18/2015 No Standing Water	10 6/2/2015 No Standing Water	5 Conditionally 5 5 5 8JSDO50 5 Conditionally 5 5 5 12HSDO1 (12HN
2FSDO93 Locations for 2014 wet weather scree	8/8/2012 No Standing water ening were determined based on 2013 dry weather screening d	12/10/2012 No Standing Water data	1/24/2013 No Standing Water	12/9/2013 No Standing Water	4/29/2014 No Standing Water	5/28/2014 No Sta		1/21/2015 No Standing Water	6/2/2015 No Standing Water	5 Conditionally 5 5 6 2FSDO93
*Locations for 2015 wet weather scree	ening were determined based on 2014 dry weather screening d	data								

Table 2-7. Sub-Catchment Area Investigation Status by Manholes

Reporting Period 7/1/2015 - 12/31/2015

		Total # Storm Drain		Total # Storm Drain	_		
1	Total # Storm Drain +			Manholes Investiga		% Investigated/Complete by	
Sub-catchment Area ¹	Common Manholes	Reporting Period ³	To Date⁴	Reporting Period ³	to Date	Reporting Period ^{3,6}	To Date ⁷
02F093	7	2	6	0	7	86%	
03F159	24	2	17	0	22	0%	92%
04F191 (aka 03F162)	20	0	20	1	20	5%	
04F204	71	16	128	0	71	0%	
05E182	13	0	7	1	13	8%	
05F245	26	1	7	2	25	8%	96%
05F253	43	0	15	0	43	0%	100%
05G112	22	4	24	0	22	0%	100%
05G115	13	6	7	0	13	0%	100%
06C110	45	0	11	10	45	22%	100%
06D085	2	0	4	0	2	0%	100%
06D097	165	3	44	6	165	4%	100%
06D187	81	11	80	7	81	9%	100%
06G108	180	7	137	24	180	13%	100%
06G109	30	4	19	0	30	0%	100%
07C006	493	32	250	6	485	1%	98%
07H105	482	11	185	6	482	1%	100%
07H285	338	26	217	64	338	19%	100%
08E031	64	1	31	2	64	3%	100%
081156	40	7	12	15	40	37%	100%
08J036/041	13	3	11	0	13	0%	100%
08J103	31	0	28	2	31	6%	100%
09K101	29	0	14	1	29	3%	100%
10L094	845	22	413	70	845	8%	
11B123	124	15	87	2	97	1%	
11 577	1321	51	687	137	1321	10%	100%
12B124	490	19	268	24	490	5%	
12F305	12	0	4	4	12	33%	100%
13D077/078	168	32	136	37			
13E174	73	4	48			0%	
13E176	7	1	8			0%	
13L090 (B)	969	16	345	0		0%	
15L088/089 (B)	516		203	0		0%	
18G233	86	0	98	3	86	3%	
19G043	72	12	69			8%	
20G161	58	7	27	9		16%	
21DMH319	66	4	76			0%	100%
21K069	96	0					
22C384	12	0	0			0%	100%
22L580	34	0	16			59%	100%
23L164	34	14	14			29%	
24CMH014 (24CSD0039)	12	0	18			0%	100%
24D032	978	24	440			1%	
24G035	317	14	141	29		9%	
25E037	317	2	139	29	317	1%	
25M007				1			
	19	0	53	5		26% 3%	
26K099 28K061	176	0		5			
	96 72	0	41	1	96		
28N207 (B)		0				0%	
290001 (B)	240	0	300	0		0%	
01E024	9	0	6	0		0%	
01F031	30	0	5	0		0%	100%
02E086	9	0	6			0%	100%
02F085	4	0	2	0		0%	
02F120	39	0	19			0%	100%
2FMH120 (DCR 2FSDO99)	12	0	2	0		0%	
03E185	60	0	36	0	57	0%	95%

Table 2-7. Sub-Catchment Area Investigation Status by Manholes

Reporting Period 7/1/2015 - 12/31/2015

		Total # Storm Drain	+ Common	Total # Storm Drain	+ Common		
	Total # Storm Drain +			Manholes Investiga		% Investigated/Complete by	
Sub-catchment Area ¹	Common Manholes	Reporting Period ³	To Date⁴	Reporting Period ³	to Date	Reporting Period ^{3,6}	To Date ⁷
03E186	12	0	5	0		0%	100%
04E064	3	0	2	0	3	0%	100%
04E069	42	0	18	0	42	0%	100%
04F016	17	0	4	0	17	0%	100%
04F118	9	0	5	0	9	0%	100%
04F119	15	0	2	0	15	0%	100%
04F189	31	0	12	0		0%	100%
05E183*	0	0	0			0%	100%
05E184 (aka 05E120)	79	0	28			0%	94%
05F117	52	0	27	0		0%	100%
05F244	25	0	5	0		0%	100%
05G116	25	0	6			0%	100%
05G116A	61	0	15	0		0%	74%
06G110	46	0		•		0%	100%
06G111	19	0	15			0%	89%
06G165	6		9				100%
06G166	9		7	0		0%	100%
06H106	15	0	5	0		0%	100%
06H106	18	0		9			89%
	18		10				
07H346	5	0	1	0		0%	100%
07H347	5		1	0		0%	100%
07H348	10	0	4	0		0%	70%
08B122	53	0	24			0%	72%
08B126	22	0	7	0	22	0%	100%
081153	4	0	3	0		0%	100%
081154	37	0	15		20	0%	54%
081155	3	0	24	0	3	0%	100%
081158	16	0	2	0		0%	100%
081207	10	0	10	0	10		100%
081209	6	0	5	0	6	0%	100%
08J050/049	76	0	30	0	76	0%	100%
08J102	25	0	4	0	25	0%	100%
08K049	3	0	1	0	3	0%	100%
09E229	2	0	1	0	2	0%	100%
09K016	15	0	4	0	15	0%	100%
09K100	25	0	11	0	25	0%	100%
09L095	29	0	13	0	20	0%	69%
10B015	41	0	6	0	8	0%	20%
10L096	22	0	8	0	20	0%	91%
11M093	67	0	15	0	39	0%	58%
12L092 (B)	165	0	33	0	165	0%	100%
12L296 (B)	49	0	23	0		0%	100%
12M091	10	0					60%
13E175	13	0	4	0		0%	100%
13F011 (aka 13F185)	36	0	39	_		0%	94%
13F093	8		0				75%
14C009	4	0	7	0		0%	100%
15F288	191	0	62	0		0%	85%
19G194	52	0	25			0%	69%
20DMH055	67	0	61	0		0%	100%
21C212	17	0				0%	100%
		0		0		0%	
21EMH064	43		37				100%
21EMH086	18	0	8			0%	100%
21M050	27	0				0%	100%
23BMH089	12	0	9			0%	100%
23G132	68	0	21	0		0%	100%
23L074	7	0	0			0%	100%
24C174	55	0	8	0	55	0%	100%

Table 2-7. Sub-Catchment Area Investigation Status by Manholes

Reporting Period 7/1/2015 - 12/31/2015

		Total # Storm Drain	+ Common	Total # Storm Drain	+ Common		
	Total # Storm Drain +			Manholes Investiga		% Investigated/Complete by	
Sub-catchment Area ¹	Common Manholes	Reporting Period ³	To Date ⁴	Reporting Period ³	to Date	Reporting Period ^{3,6}	To Date ⁷
24D150	6	0	0			0%	100%
24G034	41	0	3	0	41	0%	100%
25D040	27	0	12	0	23	0%	85%
25G041	19	0	3	0	19	0%	100%
26F038	27	0	3	0	27	0%	100%
26G001	164	0	54	0		0%	80%
27J001	121	0	24	0		0%	96%
27J096	182	0	0			0%	100%
27L020/22	86	0	29	0		0%	78%
28K010	26	0	11	0		0%	62%
28K386	5	0	0	0		0%	100%
28L074/076	87	0	15			0%	54%
28N156 (B)	3	0	6			0%	100%
28O025 (B)	21	0	28			0%	100%
28P001 (B)	8	0	9	0		0%	100%
29J212	165	0	38			0%	100%
29M049	20	0	1	0		0%	95%
29N135	10	0	2	0		0%	100%
29P015	2	0	2	0		0%	100%
29P044 (B)	11	0	17	0		0%	100%
30J019	5	0	1/	0		0%	100%
30J030	18	0	5	0		0%	100%
30P062	11	0	5	0		0%	100%
30P107	10	0	2	0	10	0%	100%
310004	32	0	8	, and the second		0%	100%
31P084				0		0%	
	16	0	4				100%
03E207*	0		0				0%
04F001*	0	0	0			0%	100%
04F203	1	0					0% 0%
05E180*	0		0				
05E181*	0		0				100%
05F254	1	0	0		_	0%	100%
6CMH117	9	_	0	_			0%
06D057	11	0	0				0%
06D083	1	0	0			0%	100%
06D084	4	0	0			0%	100%
06D086*	0		0				100%
06D091*	0		0				0%
06D184	2	0	0			0%	100%
06F233*	0	0	0			0%	100%
08C025/026	25	0	0				0%
08E035	3	0	0				0%
08F001	2	0	0			0%	100%
09B049	1	0	0			0%	0%
09E243	35	0	0			0%	100%
11BMH49 (DCR 11BSDO28)		0	1	0		0%	100%
11G344	39	0	0				0%
12B010*	0		0				100%
12B014	3		0				0%
12B033	3	0	0				0%
12F418	20	0	0	0	0		0%
12H085	6	0	0	0	0	0%	0%
12H087	5	0	0	0	5	0%	100%
12H092	76	0	0	0	0	0%	0%
13B011	4	0	0	0	4	0%	100%
13F095	3	0	0	0	0	0%	0%
13F096	2	0	0	0	2	0%	100%
13F097*	0	0	0	0	0	0%	100%

Table 2-7. Sub-Catchment Area Investigation Status by Manholes

Sub-Catchment Area Investigations Performed During this Reporting Period and To Date

Reporting Period 7/1/2015 - 12/31/2015

	Total # Storm Drain	+ Common	Total # Storm Drain	+ Common			
	Total # Storm Drain +			Manholes Investiga	_	% Investigated/Complete by Manho	
Sub-catchment Area ¹			To Date ⁴	Reporting Period ³		Reporting Period ^{3,6}	To Date ⁷
16L097	22	0	0		0		
16L122	245	0	0	0	0		0%
17F012	5	0	0	0	0	0%	
17M033	127	0	0	0	0	0%	0%
19G199	1	0	0	0	0	0%	0%
20DMH019	98	0	0	0	0	0%	0%
20G163	14	0	0	0	14	0%	100%
20G164*	0	0	0	0	0	0%	100%
21H047	130	0	0	0	0	0%	0%
21H048	3	0	0	0	0	0%	0%
21M010	17	0	0	0	0	0%	0%
23H040	19	0	0	0	0		0%
23H042	280	0	0	0	0	0%	0%
23HMH81	4	0	1	0	4	0%	100%
23L015	12	0	0	0	0	0%	0%
23L075	53	0	0	0	0	0%	
23L195	19	0	0	0	19	0%	100%
23L196	14	0	0	0	0	0%	0%
23L202	16	0	0	0	0	0%	0%
24L022	9	0	0	0	9	0%	100%
24L233	34	0	0	0	0	0%	0%
25L058	107	0	0	0	0	0%	0%
25L144	1	0	0	0	0	0%	0%
25M006	16	0	0	0	0	0%	0%
26J052	2	0	0	0	0	0%	0%
26J055	20	0	0	0	0	0%	0%
26K035	11	0	0	0	0	0%	0%
26K050	23	0	0	0	0	0%	0%
26K052	2	0	0	0	0	0%	0%
26K254	5	0	0	0	0	0%	0%
26L055	4	0	0	0	0	0%	0%
26L070	4	0	0	0	0	0%	0%
26L084	5	0	0	0	0	0%	0%
27J044	6	0	0	0	0	0%	0%
28L073	1	0	0	0	0	0%	0%
28L077*	0	0	0	0	0	0%	0%
29J029*	0	0	0	0	0	0%	100%
29J129	6	0	0	0	0	0%	0%
29N015	11	0	0	0	0	0%	0%
29P005	3	0	0	0	3	0%	100%
30J006	9	0	0	0	0	0%	0%

¹(B) indicates a highest priority beach area; * indicates that there are no storm drain or common manholes located in the sub-catchment area.

²Total number of manhole inspections performed includes all inspection records for manholes. Some manholes may have been inspected more than once.

³Reporting Period is July 1, 2015 through December 31, 2015

⁴"To Date" includes data from 11/10/2004 through the end of the reporting period (12/31/2015).

⁵Total number of manholes investigated/completed is based on a manual review process which analyzes the number of manholes that fall within areas designated as complete, therefore it includes manholes that are inferred to be void of contamination based on downstream manhole inspections and/or dye tests.

⁶The % complete estimate for the reporting period is calculated as the % complete to date minus the % complete calculated based on manual review conducted for the Compliance Report for the period of January 1, 2015 through July 30, 2015

⁷The % complete estimate to date is calculated as the total number of storm drain and common manholes investigated/completed to date divided by the total number of storm drain and common manholes within each drainage area.

Table 2-8. Sub-Catchment Area Investigation Status by Pipes

Reporting Period 7/1/2015 - 12/31/2015

	Total Linear	Total Linear Feet of	Storm Drain	Total Linear Feet of	Storm Drain Pipe		
		Pipe Inspections Per	rformed ²	Investigated/Compl	eted ⁵	% Investigated/Complete	
Sub-catchment Area ¹			To Date⁴	Reporting Period ³			To Date ⁷
02F093	1,177	117	1,088		1,177	0%	
03F159	4,423	386	3,668	202	3,655	5%	83%
04F191 (aka 03F162)	4,636	0	4,755	411	4,636	9%	100%
04F204	14,600	4,313	18,612	0	14,600	0%	100%
05E182	2,444	0	1,143	336	2,444	14%	100%
05F245	3,930	208	1,305	208	3,483	6%	89%
05F253	6,721	0	3,328	0	6,721	0%	100%
05G112	3,328	718	2,903	0	3,328	0%	100%
05G115	1,499	546	602	0	1,499	0%	100%
06C110	8,735	0	2,446	1,742	8,735	20%	100%
06D085	236	0	121	0	236	0%	100%
06D097	27,449	766	9,417	1,221	27,449	4%	100%
06D187	11,276	2,154	7,811	1,041	11,276	9%	100%
06G108	29,236	558	11,000		29,236	23%	100%
06G109	4,717	325	3,037	0	4,717	0%	
07C006	81,537	5,584	13,670	1,131	78,792	2%	
07H105	72,989	1,642	11,029		72,989	2%	100%
07H285	61,149	4,671	20,298		61,149	30%	
08E031	10,060		3,675		10,060		100%
081156	5,757	1,009	3,649		5,757	40%	100%
08J036/041	2,440		1,643		2,440	13%	
08J103	6,086	0	6,160		6,086	13%	100%
09K101	4,727	0		517	4,727	11%	100%
10L094	127,891	2,472	31,438		127,891	14%	
11B123	19,726		15,673		15,881	4%	81%
111577	235,887	9,375	103,904		235,887	19%	
12B124	79,880		18,143	7,626	79,880	10%	100%
12F305	2,176	-	873		2,176		
13D077/078	27,374			, ,			
13E174	11,108		-			0%	
13E176	893	0	721	0	•	0%	
13L090 (B)	152,355		59,559				
15L088/089 (B)	85,833	2,427			85,833	0%	
18G233	12,997	0		1,028	12,997	8%	
19G043	10,850		5,219		10,850		
20G161	7,475		1,378		7,475		
21DMH319	9,830		9,923				
21K069	14,581	0		9,009	9,830 14,581	62%	
22C384			· · · · · · · · · · · · · · · · · · ·				
	1,938			_	1,938		
22L580	5,590		,		5,590	75% 20%	100% 20%
23L164	3,220		1,052		629		
24CMH014 (24CSDO039) 24D032	1,276		1,215 43,435		1,276		
	152,253				141,576	17%	
24G035	53,597	2,565	14,482		53,597		
25E037	58,129		7,843		51,094	1%	
25M007	2,924	0	1,887	615	2,924	21%	100%
26K099	22,007	0	,	809	22,007	4%	
28K061	14,241	0	•		14,241	7%	
28N207 (B)	10,807	0	,		10,807	0%	
290001 (B)	44,166				44,166		
01E024	1,823	0	1,143		1,823	0%	100%
01F031	5,680		2,210		5,680		
02E086	2,334	0	1,085	0	2,334		
02F085	683	0	419	0	683	0%	100%
02F120	7,390		0	_	7,390	0%	
2FMH120 (DCR 2FSDO99)	2,062	0	418		2,062	0%	100%
03E185	10,879	0	7,236		9,014	0%	83%
03E186	2,049	0	947	0	2,049	0%	100%

Table 2-8. Sub-Catchment Area Investigation Status by Pipes

Reporting Period 7/1/2015 - 12/31/2015

	Total Linear	Total Linear Feet of	Storm Drain	Total Linear Feet of	Storm Drain Pipe		
		Pipe Inspections Per	rformed ²	Investigated/Compl		% Investigated/Complete	
Sub-catchment Area ¹			To Date ⁴	Reporting Period ³			To Date ⁷
04E064	253	0	160		253	0%	
04E069	8,808	0	6,444	0	8,808	0%	
04F016	2,135	0	273	0	2,135	0%	100%
04F118	1,294	0	655	0	1,294	0%	
04F119	2,570	0	0	0	2,570	0%	100%
04F189	4,943	0	1,904	0	4,943	0%	
05E183	58		0	_	58	0%	100%
05E184 (aka 05E120)	11,119	0	3,815	0	9,875	0%	89%
05F117	7,733	0	911	0	7,733	0%	
05F244	3,044	0	471	0	3,044	0%	
05G116	3,624	0	1,234	0	3,624	0%	100%
05G116A	11,159	0	2,427	0	8,512	0%	76%
06G110A	6,697	0	4,609	0	6,697	0%	100%
06G111	4,491	0	3,619	0	3,424	0%	76%
	807	0			807	0%	
06G165 06G166		0	1,460 696	0	1,367	0%	100% 64%
06H106	2,143 2,279	0	986	0		0%	
		0		0	2,279	0%	100%
06H107	2,493	0	2,371		1,827	0%	73%
07H346	705 519	0	527 279	0	705	0%	100%
07H347					519		
07H348	742	0	469	0	262	0%	35%
08B122	10,510	0	4,139	0	6,607	0%	63%
08B126	3,473	0	1,542	0	3,473	0%	
08 153	425	0	227	0	425	0%	
081154	5,735	0	2,422	0	2,878	0%	
081155	398	0	101	0	398	0%	
081158	1,963	0	476	0	1,963	0%	100%
081207	1,400		,	0	,		
081209	821	0				0%	
08J050/049	12,009	0	5,716	0	12,009	0%	
08J102	3,402	0		0	3,402	0%	
08K049	513	0	258		513	0%	
09E229	321	0	80		321	0%	
09K016	2,063	0			2,063	0%	
09K100	4,327	0	2,023	0	4,327	0%	100%
09L095	4,788		,	0	3,235		
10B015	6,571	0	,		1,696		
10L096	2,688	0	1,061	0	2,400	0%	89%
11M093	9,012	0	,		4,121	0%	
12L092 (B)	25,355		,		25,355	0%	
12L296 (B)	5,880		2,718	0	5,880	0%	
12M091	1,239			0	547	0%	
13E175	2,502	0	989			0%	
13F011 (aka 13F185)	4,664		2,227	0	4,215	0%	
13F093	1,526	0	0		767	0%	
14C009	823	0	799	0	823	0%	100%
15F288	28,839	0	,	0	23,922	0%	
19G194	8,507	0	2,597	0	4,853	0%	
20DMH055	9,922	0	6,263	0	9,922	0%	
21C212	2,793	0	827	0	2,793	0%	100%
21EMH064	6,641	0	2,972	0	6,641	0%	100%
21EMH086	3,264	0	372	0	3,264	0%	100%
21M050	4,078	0	1,177	0	4,078	0%	100%
23BMH089	1,870	0	1,801	0	1,870	0%	100%
220122	9,523	0	2,255	0	9,523	0%	100%
23G132	-/						
23L074	733	0	0	0	733	0%	100%
		0	0 1,144	0	733 8,682	0% 0%	

Table 2-8. Sub-Catchment Area Investigation Status by Pipes

Reporting Period 7/1/2015 - 12/31/2015

	Total Linear	Total Linear Feet of		Total Linear Feet of	=		
_	Feet of Storm	Pipe Inspections Per		Investigated/Compl		% Investigated/Complete	
Sub-catchment Area ¹	Drain Pipe	Reporting Period ³	To Date⁴	Reporting Period ³	to Date	Reporting Period ^{3,6}	To Date ⁷
24G034	7,592	0	873	0	7,592	0%	100%
25D040	4,940	0	1,788	0	3,746	0%	76%
25G041	2,795	0	639	0	2,795	0%	100%
26F038	7,665	0	0	0	7,667	0%	100%
26G001	29,267	0	10,512	0	21,236	0%	73%
27J001	17,090	0	3,897	0	15,756	0%	92%
27J096	13,943	0	0	0	13,943	0%	100%
27L020/22	12,293	0	5,349	0	8,692	0%	71%
28K010	4,700	0	2,100	0	2,550	0%	54%
28K386	987	0	0	0	987	0%	100%
28L074/076	13,268	0	2,581	0	6,732	0%	51%
28N156 (B)	376	0	1,042	0	376	0%	100%
280025 (B)	2,438	0	3,204	0	2,438	0%	100%
28P001 (B)	1,611	0	1,227	0	1,611	0%	
29J212	23,310	0	7,458	0	23,310	0%	
29M049	3,641	0	216			0%	88%
29N135	1,462	0	0			0%	100%
29P015	496	0	478	0	496	0%	
29P044 (B)	2,508	0	3,456	0	2,508	0%	
30J019	606	0	0		606	0%	100%
30J030	3,028	0	1,543	0		0%	
30P062	1,842	0	1,057	0	1,842	0%	
30P107	1,690	0	652	0		0%	
		-				0%	
310004	4,791	0	1,820	0	,		
31P084	2,928	0	722	0			
03E207	0		0				
04F001	0		0				100%
04F203	78		0				
05E180	99						
05E181	52	0	0			0%	
05F254	210	0	0			0%	100%
6CMH117	720	0	0				0%
06D057	2,419	0	0	0		0%	0%
06D083	200	0	0	0	200	0%	
06D084	693	0	0	0		0%	100%
06D086	64	0	0	0	64	0%	100%
06D091	63	0	0	0	0	0%	0%
06D184	149	0	0	0	149	0%	100%
06F233	49	0	49	0	49	0%	100%
08C025/026	3,864	0	0	0	0	0%	0%
08E035	899	0	0	0	0	0%	0%
08F001	155	0	23	0	155	0%	100%
09B049	135	0	0	0	0	0%	0%
09E243	6,321	0	0	0	6321	0%	100%
11BMH49 (DCR 11BSDO28)	657	0	431	0	657	0%	100%
11G344	7,104	0	0	0	0	0%	0%
12B010	16	0	0	0	16	0%	100%
12B014	717	0	0				0%
12B033	729	0	0				0%
12F418	3,054	0	0				0%
12H085	589	0	0				0%
12H087	1,322	0	0			0%	100%
12H092	19,841	0	0		0	0%	0%
13B011	771	0	0			0%	
13F095	225	0	0			0%	0%
		0				0%	
13F096	117	-	0				
13F097	2.074	0	0		0	0%	100%
16L097	2,974	0	0	0	0	0%	0%

Table 2-8. Sub-Catchment Area Investigation Status by Pipes

Reporting Period 7/1/2015 - 12/31/2015

	Total Linear	Total Linear Feet of	Storm Drain	Total Linear Feet of	Storm Drain Pipe		
		Pipe Inspections Per	rformed ²	Investigated/Compl	eted ⁵	% Investigated/Complete	
Sub-catchment Area ¹			To Date ⁴	Reporting Period ³	to Date	Reporting Period ^{3,6}	To Date ⁷
16L122	39,110	0	0		0	0%	0%
17F012	1,158	0	0	0	0	0%	0%
17M033	13,980	0	0	0	0	0%	0%
19G199	280	0	0	0	0	0%	0%
20DMH019	17,158	0	0	0	0	0%	0%
20G163	1,489	0	0	0	1489	0%	100%
20G164	73	0	73	0	73	0%	100%
21H047	17,661	0	0	0	0	0%	0%
21H048	967	0	0	0	0	0%	0%
21M010	3,801	0	0	0	0	0%	0%
23H040	3,360	0	0	0	0	0%	0%
23H042	43,543	0	0	0	0	0%	0%
23HMH81	327	0	66	0	327	0%	100%
23L015	1,822	0	0	0	0	0%	0%
23L075	8,980	0	0	0	0	0%	0%
23L195	3,205	0	0	0	3205	0%	100%
23L196	1,397	0	0	0	0	0%	0%
23L202	1,858	0	0	0	0	0%	0%
24L022	719	0	0	0	719	0%	100%
24L233	3,978	0	0	0	0	0%	0%
25L058	12,719	0	0	0	0	0%	0%
25L144	330	0	0	0	0	0%	0%
25M006	2,119	0	0	0	0	0%	0%
26J052	559	0	0	0	0	0%	0%
26J055	2,092	0	0	0	0	0%	0%
26K035	1,376	0	0	0	0	0%	0%
26K050	1,836	0	0	0	0	0%	0%
26K052	69	0	0	0	0	0%	0%
26K254	673	0	0	0	0	0%	0%
26L055	452	0	0	0	0	0%	0%
26L070	533	0	0	0	0	0%	0%
26L084	588	0	0	0	0	0%	0%
27J044	1,159	0	0	0	0	0%	0%
28L073	242	0	0	0	0	0%	0%
28L077	602	0	0	0	0	0%	0%
29J029	553	0	0	0	553	0%	100%
29J129	1,476	0	0	0	0	0%	0%
29N015	1,297	0	0	0	0	0%	0%
29P005	211	0	0	0	211	0%	100%
30J006	1,551	0	0	0	0	0%	0%

¹(B) indicates a highest priority beach area.

²Total linear feet of pipe inspections performed includes all inspection records for pipes. Some pipes may have been inspected more than once.

³Reporting Period is July 1, 2015 through December 31, 2015.

 $^{^4}$ "To Date" includes data from 3/16/2009 through the end of the reporting period (12/31/2015).

⁵Total linear feet of pipe investigated/completed is based on a manual review process which analyzes the linear feet of pipe that falls within areas designated as complete, therefore it includes pipes that are inferred to be void of contamination based on downstream manhole inspections and/or dye tests. If a pipe segment falls partially within an area designated as complete and partially within and area designated as incomplete, the entire length of pipe is considered to be incomplete.

⁶The % complete estimate for the reporting period is calculated as the % complete to date minus the .% complete calculated based on manual review conducted for the Compliance Report for the period of January 1, 2015 through July 30, 2015

⁷The % complete estimate to date is calculated as the total linear feet of storm drain pipe complete to date divided by the total linear feet of storm drain pipe within each drainage area.

Table 2-9. Direct Illicit Connections 2015

Status	Bldg Number	Address	Neighborhood	Bldg Type	Sub-Catchment Area	Subwatershed	Date Verified	Date Corrected	Days to Correct	Sewage Removed	BWSC Cost
Corrected BWSC Contract	50-70	Ames Street	Mattapan	Apts	11I577 Dorchester	Charles via Stony Brook Conduit	07/31/2015	10/13/2015	123	0	\$14,328
Corrected by Owner	101-105	Brighton Avenue	Brighton	Comm	24G035 Salt Creek	Charles River	09/08/2015	10/15/2015	37	43	
Corrected under BWSC Contract	99	Broadway Street	Central	Res/Co	24J220 CSO (MWRA)	Charles River	3/3/2015	5/14/2015	72	126	\$8,944
Corrected BWSC Contract	14	Burt Street	Dorchester	R-1	10L094 Davenport	Neponset River	07/13/2015	10/30/2015	109	151	\$8,265
Corrected by Owner	15	Chelmsford Street	Dorchester	R-3	10L094 Davenport	Neponset River	09/21/2015	11/23/2015	32	44	
Corrected by Owner	105	Chesbrough Road	West Roxbury	R-1	11B123 Baker Street	Charles River	2/11/2015	6/1/2015	110	9	
Corrected under BWSC Contract	112	Chesbrough Road	West Roxbury	R-1	11B123 Baker Street	Charles River	2/4/2015	6/30/2015	146	170	\$13,706
Corrected under BWSC Contract	205	Church Street	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	2/4/2015	5/13/2015	98	139	
Corrected under BWSC Contract	184	Church Street	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	2/4/2015	5/11/2015	96	113	\$7,486
Corrected BWSC Contract	23	Courtney Road	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	06/24/2015	08/21/2015	58	166	\$12,814
Corrected by Owner	28	Fairmount Street	Dorchester	R-2	10L094 Davenport	Neponset River	08/18/2015	10/29/2015	72	56	
Corrected BWSC Contract	56	Fenwood Road	Jamaica Plain	Exempt	20G161 Brookline Ave	Charles via Muddy River	04/23/2015	07/10/2015	78	223	\$8,246
Corrected by Owner	21-23	Frawley Street	Boston	R-2	19G043 Huntington	Charles via Muddy River	06/24/2015	09/28/2015	96	88	
Corrected BWSC Contract	145	Fuller Street	Dorchester	R-1	10L094 Davenport	Neponset River	11/09/2015	10/18/2015	39	175	\$9,160
Corrected by Owner	148	Fuller Street	Dorchester	R-2	10L094 Davenport	Neponset River	09/08/2015	10/19/2015	41	52	
Corrected by Owner	100	Greaton Road	West Roxbury	R-2	13D077/078	Charles via Bussey Brook	10/01/2015	11/27/2015	57	350	
Corrected by Owner	433	Harrison Avenue	South End	Condos	21K069 West Fourth	Boston Harbor	11/14/2014	1/22/2015	69	92	-
Corrected BWSC Contract	570	Harvard Street	Mattapan	R-2	11I577 Dorchester	Charles via Stony Brook Conduit	07/31/2015	09/26/2015	57	120	\$12,848
Corrected by Owner	40	Hazelton Street	Dorchester	R-2	07H285 Blue Hill Ave	Neponset River	06/23/2015	09/25/2015	94	23	7 = 70 10
Corrected by Owner	83	Homer Street	East Boston	R-3	28N207 Moore Street	Boston Harbor	11/17/2014	1/2/2015	46	27	
Corrected under BWSC Contract	327	Huntington Avenue	Fenway	Comm	231023	Charles via Old Stony Brook	12/10/2014	5/2/2015	143	7985	\$6,113
Corrected under BWSC Contract	96	Intervale Street	Roxbury	R-3	21K070 CSO	Boston Harbor	3/3/2015	5/15/2015	73	990	\$10,651
Corrected by Owner	493	LaGrange Street	West Roxbury	R-2	12B124 LaGrange	Charles River	07/20/2015	07/31/2015	11	22	710,031
Corrected by Owner	60	Lawrence Avenue	Roxbury	R-3	21K070 CSO	Boston Harbor	5/12/2015	6/3/2015	22	1000	
Corrected BWSC Contract	201-203	Parsons Street	Brighton	R-2	24D032 Faneuil Brook	Charles River	09/14/2015	11/21/2015	68	205	\$10,121
Corrected by Owner	24	Paulman Circle	West Roxbury	R-1	23I023 Walworth	Charles via Stony Brook Conduit	10/15/2014	1/13/2015	90	43	710,121
Corrected BWSC Contract	134	Perham Street	West Roxbury	R-1	12B124 LaGrange	Charles River	09/24/2015	10/15/2015	21		\$13,590
Corrected by Owner	111	Perham Street	West Roxbury	R-1	12B124 LaGrange	Charles River	09/21/2015	10/05/2015	14	14	713,330
Corrected under BWSC Contract	27			R-1	13D077/078	Charles via Bussey Brook	5/12/2015	6/10/2015	29	62	\$14,313
Corrected BWSC Contract	1179	River Street	Hyde Park	Comm	05G112 Water St	Neponset River	07/13/2015	08/25/2015	43	02	\$14,313
Corrected under BWSC Contract	205	Ruskindale Road	Hyde Park	R-1	07H105 Edgewater	Neponset River	10/27/2014	4/3/2015	158	74	\$22,605
Corrected by Owner	935	Saratoga Street	East Boston	Comm	290001 Constitution	Boston Harbor	09/08/2015	10/07/2015	29	4301	\$22,003
Corrected BWSC Contract	56	Sherbrook Street	West Roxbury	R-1	12B124 LaGrange	Charles River	09/17/2015	10/14/2015	27	99	\$12,417
Corrected under BWSC Contract	615	Walk Hill Street	-	R-1	07H105 Edgewater	Neponset River	4/22/2015	5/29/2015	37	103	
Corrected under BWSC Contract	614	Walk Hill Street	Mattapan	R-2	07H105 Edgewater	<u>'</u>				340	\$8,177
			Mattapan	-	21K070 CSO	Neponset River	3/5/2015	6/5/2015	92	13733	\$12,780
Corrected under BWSC Contract	104	Warren Street	Roxbury	Comm		Boston Harbor	5/8/2015	5/15/2015	105		<u> </u>
Corrected under BWSC Contract	888	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	12/29/2014	4/13/2015	105	55	\$4,864
Corrected under BWSC Contract	1146	Washington Street	South End	Comm	21K069 West Fourth	Boston Harbor	11/13/2014	1/21/2015	69	539	\$11,290
Corrected by Owner	908	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	6/10/2015	6/19/2015	9	78	Ć0.702
Corrected BWSC Contract	_	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	07/31/2015	09/18/2015	49	133	\$8,782
Corrected by Owner	924	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	06/10/2015	07/30/2015	50	58	644.550
Corrected BWSC Contract	904	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	06/09/2015	07/09/2015	30	109	\$11,560
Corrected BWSC Contract	930	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	06/10/2015	07/08/2015	28	165	\$10,648
Corrected BWSC Contract	936	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	06/24/2015	07/07/2015	13	54	\$17,248
Corrected BWSC Contract	946	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	05/29/2015	07/06/2015	38	41	\$11,151
Corrected BWSC Contract	942		Dorchester	R-1	10L094 Davenport	Neponset River	06/10/2015	07/01/2015	21	115	\$9,523
Corrected BWSC Contract	4-10	Wayland Street	Dorchester	R-1	21K070 CSO	Boston Harbor	09/16/2015	10/16/2015	30	385	\$15,860
Corrected under BWSC Contract	2	Weld Street	Roslindale	R-1	13F093 Walter St	Charles via Bussey Brook	2/4/2015	5/16/2015	101	98	\$8,212
Corrected by Owner	33	Wellington Hill Street	Mattapan	R-3	11I577 Dorchester	Charles via Stony Brook Conduit	08/12/2015	07/21/2015	9	84	

Table 2-9. Direct Illicit Connections 2015

Corrected BWSC Contract	89	Willowdean Avenue	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	09/24/2015	10/17/2015	23	87	\$15,803
Corrected BWSC Contract	87	Willowdean Avenue	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	10/06/2015	10/17/2015	11	92	\$7,162
Owner has been Notified	23	Courtney Road	West Roxbury	R-1	13D0770078	Charles via Bussey Brook	12/04/2015				
Owner has been Notified	8	Dry Dock Avenue	South Boston	Comm	21M008 Private	Boston Harbor	12/04/2015				
Included under BWSC Contract	44	Floyd Street	Mattapan	R-3	11I577 Dorchester	Charles via Stony Brook Conduit	11/24/2015				
Included under BWSC Contract	235	Gallivan Boulevard	Dorchester	R-1	10L094 Davenport	Neponset River	11/09/2015				
Included under BWSC Contract	44-46	Lawrence Avenue	Roxbury	R-1	21K070 CSO	Boston Harbor	09/16/2015				
Included under BWSC Contract	42	Long Avenue	Allston	R-4-6	24G035 Salt Creek	Charles River	12/22/2015				
Owner has been Notified	36	Long Avenue	Allston	R-2	24G035 Salt Creek	Charles River	12/04/2015				
Owner has been Notified	41	Ripley Road (18 Harvard St)	Dorchester	Comm	11I577 Dorchester	Charles via Stony Brook Conduit	12/15/2015				
Owner has been Notified	30	Rita Road	Dorchester	R-1	10L094 Davenport	Neponset River	11/09/2015				
Included under BWSC Contract	39	Torrey Street	Dorchester	R-3	11I577 Dorchester	Charles via Stony Brook Conduit	12/14/2015				
Owner has been Notified	33	Valley Road	Dorchester	R-1	10L094 Davenport	Neponset River	11/23/2015				
Included under BWSC Contract	903	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	11/03/2015				
Included under BWSC Contract	87	Wheatland Avenue	Dorchester	R-3	11I577 Dorchester	Charles via Stony Brook Conduit	11/24/2015				
Owner has been Notified	81	Willowdean Avenue	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	07/20/2015				

Corrected Illicit Connections
COLLCT HIGH COLLICIONS

Total Sewage Removed (Average Gallons Per Day)	33237	
Total BWSC Cost to Correct Illicit Connections*		\$350,416

^{*}These costs do not include cost to locate illicit discharges (via manhole inspections, dye tests)

Table 2-10. Indirect Illict Discharges 2015

Status	Bldg Number	Address	Neighborhood	Bldg Type	Sub-Catchment Area	Subwatershed	Date Verified	Date Repaired	Days to Correct	Sewage Removed	BWSC Cost to Verify	Reimbursed to
Lateral Repaired by Owner	34	Banfield Avenue	Mattapan	R-1	07H285 Blue Hill Ave	Neponset River	11/30/2015	12/30/2015	31	13	\$2,015	\$4,000
Lateral Repaired by Owner	23	Bonad Road	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	11/10/2015	12/22/2015	42	38	\$2,249	\$4,000
Lateral Repaired by Owner	101	Chesbrough Road	West Roxbury	R-1	11B123 Baker Street	Charles River	4/29/2015	5/28/2015	29	57	\$2,255	\$4,000
Lateral Repaired by Owner	8	Chisholm Road	Roslindale	R-1	23I023 Monterey Hill	Charles via Stony Brook Conduit	11/25/2014	4/22/2015	148	23	\$1,700	\$4,000
Lateral Repaired by Owner	1737	Commonwealth Avenue	Brighton	R-1	21D319 Village-Kilsyth	Charles via Village Brook	1/21/2015	6/26/2015	156	188	\$1,877	\$4,000
Lateral Repaired by Owner	66	Constance Road	West Roxbury	R-1	07C006 Belle Avenue	Charles River	10/2/2014	1/14/2015	104	56	\$1,700	\$4,000
Lateral Repaired by Owner	312	Cornell Street	Roslindale	R-1	23I023 Walworth	Charles via Stony Brook Conduit	1/14/2015	4/30/2015	136	32	\$1,778	\$4,000
Lateral Repaired by Owner	12-14	Donnybrook Road	Brighton	R-3	24D032 Faneuil Brook	Charles River	5/8/2015	6/11/2015	34	112	\$2,180	\$4,000
Lateral Repaired by Owner	24-26	Donnybrook Road	Brighton	R-2	24D032 Faneuil Brook	Charles River	4/29/2015	6/4/2015	36	79	\$3,820	\$4,000
Lateral Repaired by Owner	125	Florida Street	Dorchester	R-3	13L090 Victory Road	Neponset River	1/21/2015	4/17/2015	86	202	\$1,989	\$4,000
Lateral Repaired by Owner	86	Foster Street	Brighton	R-1	24D032 Faneuil Brook	Charles River	2/4/2015	6/18/2015	134	185	\$1,700	\$3,950
Lateral Repaired by Owner	100	Hackensack Road	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	1/21/2015	3/13/2015	51	61	\$2,480	\$4,000
Lateral Repaired by Owner	6	Highfield Terrace	Roslindale	R-1	23I023 Clarendon Hills	Charles via Stony Brook Conduit	9/15/2014	3/26/2015	192	46	\$2,345	\$4,000
Lateral Repaired by Owner	493	LaGrange Street	West Roxbury	R-2	12B124 LaGrange	Charles River	4/29/2015	6/26/2015	58	32	\$2,345	\$0
Lateral Repaired by Owner	20	Lila Road	Jamaica Plain	R-1	23I023 Arboretum	Charles via Stony Brook Conduit	1/5/2015	4/28/2015	113	12	\$2,375	\$4,000
Lateral Repaired by Owner	94	Lodeghill Road	Hyde Park	R-1	23I023 Cleary	Charles via Stony Brook Conduit	10/2/2014	4/23/2015	203	46	\$1,700	\$4,000
Lateral Repaired by Owner	12	Malverna Road	Roslindale	R-1	23I023 Fallon Field	Charles via Stony Brook Conduit	12/4/2014	4/29/2015	146	42	\$2,293	\$4,000
Lateral Repaired by Owner	19	Melvin Avenue (305 Allston Street)	Brighton	Apts	21E064 Tannery	Charles via Tannery Brook	8/14/2014	1/29/2015	168	1161	\$2,177	\$4,000
Lateral Repaired by Owner	233	Metropolitan Avenue	Roslindale	R-2	23I023 Clarendon Hills	Charles via Stony Brook Conduit	11/25/2014	2/26/2015	93	41	\$1,865	\$4,000
Lateral Repaired by Owner	58	Neponset Avenue	Dorchester	R-3	13L090 Victory Road	Neponset River	7/24/2014	1/13/2015	173	0	\$2,366	\$4,000
Lateral Repaired by Owner	23-25	Orange Street	Roslindale	R-2	23I023 Walworth	Charles via Stony Brook Conduit	12/30/2014	6/15/2015	167	16	\$3,600	\$4,000
Lateral Repaired by Owner	143-145	Orange Street	Roslindale	R-2	23I023 Walworth	Charles via Stony Brook Conduit	11/24/2014	4/16/2015	143	81	\$3,600	\$4,000
Lateral Repaired by Owner	135	Orange Street	Roslindale	R-2	23I023 Walworth	Charles via Stony Brook Conduit	1/21/2015	5/19/2015	118	44	\$22,210	\$4,000
Lateral Repaired by Owner	140	Russett Road	West Roxbury	School	13D077/078	Charles via Bussey Brook	10/21/2014	08/15/2015	301	104	\$2,345	
Lateral Repaired by Owner	16	Ryder Hill Road	Brighton	R-1	24D032 Faneuil Brook	Charles River	10/21/2014	2/9/2015	111	42	\$1,700	\$4,000
Lateral Repaired by Owner	12	Ryder Hill Road	Brighton	R-1	24D032 Faneuil Brook	Charles River	10/21/2014	2/5/2015	107	38	\$1,700	\$4,000
Lateral Repaired by Owner	34	Saranac Street	Dorchester	R-2	10L094 Davenport	Neponset River	7/28/2014	5/7/2015	283	81	\$2,615	\$4,000
Lateral Repaired by Owner	52	South Crescent Circuit	Brighton	R-1	24D032 Faneuil Brook	Charles River	04/29/2015	07/10/2015	72	15	\$1,700	\$4,000
Lateral Repaired by Owner	15	Stone Terrace	Dorchester	R-1	10L094 Davenport	Neponset River	11/20/2015	12/22/2015	32	25	\$2,690	\$4,000
Lateral Repaired by Owner	5	Stone Terrace	Dorchester	R-1	10L094 Davenport	Neponset River	11/20/2015	12/21/2015	31	73	\$2,159	\$4,000
Lateral Repaired by Owner	106	Tremont Street	Brighton	Apts	24D032 Faneuil Brook	Charles River	12/30/2014	4/28/2015	119	919	\$2,765	\$4,000
Lateral Repaired by Owner	1051 G	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	05/22/2015	11/05/2015	167	31	\$0	\$3,750
Lateral Repaired by Owner	1051-1049	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	05/22/2015	11/05/2015	167	40	\$2,165	\$3,750
Lateral Repaired by Owner	471-473	Washington Street	Brighton	R-2	24D032 Faneuil Brook	Charles River	07/24/2014	07/22/2015	363	165	\$2,045	\$4,000
Lateral Repaired by Owner	502	Weld Street	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	1/14/2015	4/2/2015	78	16	\$2,480	\$4,000
Lateral Repaired by Owner	125	Wellington Hill Street	Mattapan	R-1	11I577 Dorchester	Charles via Stony Brook Conduit	07/29/2014	09/23/2015	421	14	\$2,210	\$4,000
Lateral Repaired by Owner	53A	Wildwood Street	Dorchester	R-1	11I577 Dorchester	Charles via Stony Brook Conduit	10/6/2014	1/7/2015	83	184	\$2,008	\$4,000
Leaking Lateral Verified - Water is Shut Off	39	Harding Road	Roslindale	R-1	23I023 Barron School	Charles via Stony Brook Conduit	11/04/2013			51		
Lateral Repaired by Owner but Still Leaked	39	Burrwood Road	West Roxbury	R-1	13E174 VFW	Charles via Bussey Brook	09/02/2014					
Lateral Repaired by Owner but Still Leaked	7	Corey Terrace	West Roxbury	R-1	23I023 West Roxbury	Charles via Stony Brook Conduit	07/03/2014					
Lateral Repaired by Owner but Still Leaked	91	Homer Street	East Boston	R-2	28N207 Moore Street	Boston Harbor	12/02/2014					
Verified Leaking Lateral	65	Bailey Street	Dorchester	School	10L094 Davenport	Neponset River	05/21/2015					
Verified Leaking Lateral	27	Banfield Avenue	Mattapan	R-1	07H285 Blue Hill Ave	Neponset River	12/30/2014					
Verified Leaking Lateral	277	Corey Road	Brookline	R-2	24G035 Salt Creek	Charles River	12/11/2015					
Verified Leaking Lateral	263	Corey Road	Brighton	R-2	24G035 Salt Creek	Charles River	12/11/2015					•
Verified Leaking Lateral	34	Fairmount Street	Dorchester	R-2	10L094 Davenport	Neponset River	11/20/2015					
Verified Leaking Lateral	44	Goodale Road	Mattapan	R-3	11I577 Dorchester	Charles via Stony Brook Conduit	12/11/2015					
Verified Leaking Lateral	20	Goodale Road	Mattapan	R-3	11I577 Dorchester	Charles via Stony Brook Conduit	12/11/2015					
Verified Leaking Lateral	108	Greaton Road	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	11/12/2015					
Verified Leaking Lateral	503	LaGrange Street	West Roxbury	R-1	12B124 LaGrange	Charles River	11/12/2015					
Verified Leaking Lateral	44	Long Avenue	Allston	R-2	24G035 Salt Creek	Charles River	12/16/2015					
Verified Leaking Lateral	33	Long Avenue	Allston	R-3		Charles River	12/16/2015					
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Table 2-10. Indirect Illict Discharges 2015

Status	Bldg Number	Address	Neighborhood	Bldg Type	Sub-Catchment Area	Subwatershed	Date Verified	Date Repaired	Days to Correct	Sewage Removed	BWSC Cost to Verify	Reimbursed to
Verified Leaking Lateral	64	Lorna Road	Mattapan	R-2	07H285 Blue Hill Ave	Neponset River	11/12/2015					
Verified Leaking Lateral	35	Nevada Street	Dorchester	R-1	10L094 Davenport	Neponset River	11/20/2015					
Verified Leaking Lateral	21	Ocean Street	Dorchester	R-2	10L094 Davenport	Neponset River	12/11/2015					
Verified Leaking Lateral	35	Pratt Street	Brighton	R-2	24G035 Salt Creek	Charles River	12/11/2015					
Verified Leaking Lateral	48	Sturbridge Street	Mattapan	R-1	08J103 Central Avenue	Neponset River	12/11/2015					
Verified Leaking Lateral	33	Valley Road	Dorchester	R-1	10L094 Davenport	Neponset River	11/20/2015					
Verified Leaking Lateral	990	Washington Street	Dorchester	R-1	10L094 Davenport	Neponset River	11/30/2015					
Verified Leaking Lateral	519	Weld Street	West Roxbury	R-1	13D077/078	Charles via Bussey Brook	11/12/2015					

Leaking Lateral Repaired
Dye In Both - Verified - Water Off
Lateral Repaired-Still Leaks

Total Sewage	4,365
Total	\$101,201
	\$139,450
	\$240,651

Table 3 - 1. Brook Inlet and Outlet Cleaning									
Waterway	Neighborhood	Frequency of Cleaning	Equipment Used						
Arboretum Outfall	Jamaica Plain	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						
Bussey Brook/Stony Brook Conduit/Treeland	Jamaica Plain	Checked before/after storms; cleaned as needed	Catch Basin Truck						
Bussey Brook-Next to Church Of the Annunciation	West Roxbury	Checked before/after storms; cleaned as needed	Catch Basin Truck, Crane						
Canterbury Brook Conduit @ American Legion Hwy	Roslindale	Checked before/after storms; cleaned as needed	Rodding/Flushing crew/ Catch Basin Truck						
Canterbury Brook Outlet at Harvard Street	Mattapan	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						
Centre Street/Lane	West Roxbury	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						
Chandler Pond	Brighton	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						
Grove Street-Wetlands (particle separator)	West Roxbury	Checked before/after storms; cleaned as needed	Catch Basin Truck, Vactor						
Mother Brook	West Roxbury	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						
Muddy River-Riverway and the Fenway/Grates	Boston	Checked before/after storms; cleaned as needed	Catch Basin Truck, Crane						
Norton Street-intermittent stream	Hyde Park	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						
American Legion Hwy near Wilmot St	Hyde Park	Checked before/after storms; cleaned as needed	Flushing/Rodding Crew						

Table 3 - 2. BWSC Particle Separator Cleaning 2015

					2015 Material	
					Removed (cubic yards)	
Location	Neighborhood	Map#	Outfall #	Receiving Water	Various dates	Comments
Arnold Aroboretum	Jamaica Plain	13F	13F011	Bussy Brook	0.50	
Centre Lane	WROX	8C	8C025,8C026	Wetlands	0.00	Did not need cleaning
Centre Street	WROX	6C	6C110	Wetlands	0.00	Did not need cleaning
Coleridge Street	East Boston	280	280025	Boston Harbor	0.00	Did not need cleaning
Coniston Road	Roslindale	12E	131023	Stony Brook Conduit	0.00	Did not need cleaning
Denny Street	Dorchester	15L	15L089 (CSO)	Malibu Beach	0.00	Did not need cleaning
Ericsson Street	Dorchester	12M	12M091	Neponset River	0.00	Did not need cleaning
Fenwood Road	Roxbury	20G	20G161	Muddy River	0.00	Did not need cleaning
Lawley Street	Dorchester	12L	12L092	Pine Neck Creek	0.00	Did not need cleaning
Martha Road	Central	26J	26J100	Charles River	0.00	Did not need cleaning
Neponset Avenue	Dorchester	11M	11M093	Neponset River	0.00	Did not need cleaning
Norton Street	Hyde Park	3E	3E185	Open Channel	0.00	Did not need cleaning
Perkins Street	Jamaica Plain	17F	17F012	Jamaica Pond	0.00	Did not need cleaning
Waldemar Avenue	East Boston	30P	30P107	Belle Isle Inlet	0.00	Did not need cleaning
Waldemar Avenue	East Boston	310	310004	Belle Isle Inlet	0.00	Did not need cleaning
Walter Street	Roslindale	12F	12E418	Wetlands	0.25	
TOTALS					0.75	

2015 HAZMAT SPILL & SEWER USE VIOLATIONS

			O IIALI			WER OSE VIOLATIONS
	Date	Street	Complainant	BSWC Personnel	Type	Cause of Incident / Responsible Party
1	1/13/15	109 Norfolk St, Dot	Oil in street	Taylor	Oil	Fire pipe broke inside the repair garage causing around 10-15 gallons of engine waste oil to wash into street, Clean Harbors call to clean impacted catch basins and street.
2	1/21/15	Causeway St@Commercial St	Oil sheen in harbor	Slade/Dorleans	Petroleum Product	Oil sheen observed in harbor between Beverley St and Eastern Ave. BWSC outfalls/MHs checked, did not find trace of any product. Spoke to Coast Guard Environmental Coordinator Keith Girouard, said they were aware of marine spill issue, ongoing for about a week, could not trace source.
3	2/5/15	504 Dudley St, Rox	Chemical Odor	Taylor	Chemical Odor	Called by BFD about possible chemicals in the sewer lines which are infiltrating a building at 504 Dudley St. All manholes were checked in the area and no chemical odors found.
4	3/15/15	100 Fenway, Fenway	Diesel fuel	Taylor	Diesel	DEP call on 3/15/15, said that several birds were found covered in deisel fuel in the Muddy river. Muddy river was inspected for any oil slicks but nothing observed. WO#201580461101.
5	3/26/15	156 Porter St, East Boston	Hydrolic fluid	Taylor	Hydrolic Fluid	Received complaint that BPW plows leaked hydrolic fluid on street next to park behind 156 Porter St, East Boston. Inspected area and observed shiny substance on road. Called Jimmy Grossman of PBW and he will address situation.
6	3/27/15	900 Boylston St Boston	Diesel Fuel	Taylor	Diesel Fuel	20 gallons of diesel fuel leaked from a truck onto the street at 900 Boylston St, Boston. A small amount entered a private catch basin. Drain line in that area goes to a combined sewer. Trucking company hired an environmental contactor to clean impacted area.
7	3/28/15	705 VFW pkwy, west Roxbury	gasoline	Taylor	gasoline	About 8 gallons of gas spilled from a gas pump and went into the street. A small amount entered a catch basin but was contained to catch basin. Cyn Environmental was hired to clean impacted area.
8	4/3/15	Huntington Av@South Huntington Ave	Milky Substance	Taylor/Slade	Milky Substance	Met w/Town of Brookline, checked Leverett Pond for any hazardous material, no product found. Found plume of silt causing this issue. Not a hazmat.
9	4/6/15	214 Beacon St, Back Bay	Ероху	Taylor/Slade	Plaster	Found a catch basin in rear of 214 that had a powdery substance maybe plaster in it, warned contractor that they would be fined if they dumped into a Boston CB again.
10	4/13/15	640 Tremont St, South End	Paint	Taylor	Nothing	Checked catch basins in area of 640 Tremont St, no evidence of any paint in any catch basin in the area.
11	4/23/15	3 Dorchester St	Salt	Slade	Salt	On arrival found salt truck had released some contents of hopper. Salt was spread around CB behind the truck. Found responsible party, O'Connor Demo, instructed them to clean area without allowing any salt to enter the CB.
12	4/29/15	370 Columbia Rd, Dot	gasoline	Taylor/Slade	Gasoline	BWSC called by BFD concerning an auto accident that release appr 5-10 gallons of gasoline into BWSC catch basin. BWSC called Cyn Env to clean impacted CB, BWSC to get reinbursed by offending car operator insurance company.
13	5/1/15	Haul Road, South Bosotn	Gasoline	Taylor	Gasoline	Small oil sheen seen in 20KMH17 next to Haul Road. Checked nearby MHs and no oil observed. Boomed downstream MH6 as a precation, and removed boom with no signs of oil/gas on 5/4/15.
14	5/19/15	Thayer St@Albany St, South End	Plaster	Taylor	Joint Compound	Talked to GTI properties who is working on building, I warned them to not discharge any construction waste into catch basin. They wil clean up joint compound debris on top of catch basin.
15	6/3/15	12 Bennington St, East Boston	Grease	Taylor	Grease	Local businesses complained about grease in alley way and sidewalk. Talked to Brazilian Steakhouse and they said someone tipped over their grease barrel in alley, they will clean impacted area. Catch basin goes to combined line. ISD will investigate also.
16	6/3/15	77 Floyd St, Mattapan	oil	Dorleans	Emulsion	Resident complaint of oil sbstance dumped in CB. National Grid Contractor, Rieley Brothers cleaned out CB of the emulsion. WO#20158097801
17	6/4/15	61 Trenton St, East Boston	Odor	Dorleans	Human waste (feces)	Boston Police received a call from a child care service about an odor. BWSC investigated odor and dicsovered it was a bucket of human waste that was on the curb and had slipped onto the gutter. Public works dispose the bucket and street sweeped. BWSC crew flushed and disinfected the CB. WO#201580987201
18	6/11/15	204 Harvard Ave, Brighton	chemicals	Taylor	Dirty water/runoff	Received complaint about Shanghai Gate dumping chemicals out back into catch basin. Checked catch basin, small film of grease and some grayish water, warned manager not to dump wastewater into catch basin, also informed ISD
19	6/30/15	972 Saratoga St, East Boston	grease	Cooper/Taylor	Grease	El Kiosco was observed washing grease into catch basin. They were warned and will be fined if this continues.

Table 3-3 Spill/Dumping Response 2015

20	7/1/15	8 Beauford Lane, Roxbury	Mineral Oil	Taylor/Slade	Mineral Oil	Electrical pole was knocked over and a transformer crashed onto the ground leaking several gallons of fluid, Clean Harbors onsite and boomed impacted catch basin and will clean impacted area.		
21	7/3/15	Jamaica Way @ Pond St, JP	Unknown substance	McKinnon	Algae	Respond to reports of unknown blue substance in Jamaica Pond. It was found to be an aglae bloom.		
22	7/20/15	Heath St @ Comlubus Ave Roxbury	Grass	Conran/Dorleans	Grass	Got a call landspacing company was dumping grass clipping into CB and manhole. Checked a few CBs and MHs found a few grass clipping determined it wouldn't impact anything WO# 201581350401		
23	7/20/15	Juniper Street, Roxbury	Hydrolic Fluid	Taylor/Conran	Nothing	Check several catch basins on Juniper St, Roxbury, no sign of any hydrolic fluid in any catch basin.		
24	7/25/15	130 Shirley Street , Dorchester	Oil	Taylor/Conran	Hydrolic Fluid	Small amount of hydrolic fluid spilled from unknown vehicle onto the sidewalk and some got into a catch basin, boom and spill pads placed in catch basin and will be removed by weeks end.		
25	7/29/15	Church St@Lafyette St	Soapy	Tatylor/Slade	Soapy Water	Some soaplike suds seen in catch basin in front of Mike and Patty's lunchette, talked to manager and warned him not to put any wastewater into catch basin.		
26	8/16/15	10 Tremont St, Boston	Hydrolic Fluid	Taylor/Holley/O'Brien	Hydrolic Fluid	Called by Boston Fire Dept, about 10-15 gallons of hydrolic fluid leaked from Boston Public Works street sweeper onto street and into catch basin, Boston Fire Dept requested by BWSC clean impacted catch basin. Cyn Environmental was called by BWSC and cleaned impacted catch basin, 24KCB88.		
27	8/24/15	120 Poplar St, Roslindale	Gasoline	Taylor/Hill	Gasoline	Approximately 5 gallons of gasoline leaked out of a Toyota in the parking of 120 Poplar St. Spill went into a private catch basin. TMC Services was called by property owners and cleaned impacted private catch basin. No signs of any gasoline in BWSC drain line on Poplar St.		
28	8/29/15	256 Marginal St, E Boston	Diesel	McKinnon	Diesel	Approximately 10-20 gallons of fuel spilled into private MassPort catch basin, while an oil truck was filling up a tank. No impact to any BWSC facilities, MassPort called an environmental company to clean the impacted areas.		
29	9/1/15	Temple St@Lassel St, West Roxbury	Unknown	Taylor	Kitty Litter	Someone dumped kitty litter on top of a catch basin grate. Night crew cleaned it up.		
30	9/4/15	Centre St@Nixon St, Dorchester	Diesel	Taylor	Diesel	Approximately 3 gallons of diesel fuel was dumped into a catch basin at the corner of Nixon St and Centre St, Dorchester. No responsible party was found so BWSC hired Cyn Environmental to clean catch basin.		
31	10/5/15	Public Alley #442 @ Fairfield St, Back Bay	Building Material Waste	Night Crew	Nothing	Night crew inspected catch basins in the area and did not see any illegal dumping evidence.		
32	10/6/15	9 Cooper St, Central	Concrete	Slade	Concrete	Found concrete washout in gutter, responsible party is Independent Benevento Cement, not onsite. Spoke to Babineau Foundations who were on site, they will clean up gutter.		
33	10/29/15	405 D St, South Boston	Concrete	Conran	Concrete	Found concrete on the cover of a DI, look inside CB cover and found no concrete, Could not find responsible party order CB to be cleaned		
34	10/14/15	10 Walk Hill St, JP	Grease	Taylor	Nothing	Check catch basin downstream from building, no grease observed, Also checked sidewalk area in the front and no grease seen there or in the gutter.		
35	11/11/15	97 Newburg St, Ros	Gasoline	Taylor	Gasoline	Approximately 5 gallons of gas was dumped into a catch basin next to 97 Newburg St, Roslindale. Cyn Environmental was called by BWSC to clean catch basin.		
36	11/23/15	151 Devonshire St, Boston	Grease	Taylor/Finnegan	Grease	Grease removal company(service pump and drain) spilled some grease into BWSC catch basin in front of 151 Devonshire St, they vactored out impacted catch basin and cleaned sidewalk.		
37	12/8/15	10 South Waverly Street, Brighton	Unknown Chemical	Night Crew	Nothing	Night Crew checked catch basins in the area and did not find anything suspicious.		
38	12/14/15	960 Massachusetts Ave, Dorchester	Grease	Taylor/Cooper	Grease	Found some grease in private catch basin next to a food truck. Called owner of truck and warned him to properly dispose of grease, will check area again next week.		
39	12/16/16	296 Beacon St, Boston	Plaster	Taylor	Plaster	Found several contractors working on 296-300 Beacon St, warned them not to wash any of their buckets near BWSC catch basins.		

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE	
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM
13439	4236	WASHINGTON ST	ROSL	1/6/2015	PERFORATED PIPE
14475	32	SAINT MARGARET ST	NDOR	1/6/2015	STORMTECH CHAMBERS
14079	1065	TREMONT ST	SEND	1/7/2015	LEACHING BASIN
14459	12	ASHLEY ST	EBOS	1/7/2015	CULTEC CHAMBER
14454	23-25	MERCER ST	SBOS	1/9/2015	PERFORATED PIPE
14461	45	L ST	SBOS		DRYWELL
14345	58-90	GLENVILLE AV	ALBR	1/12/2015	PERFORATED PIPE
14465	225	WEST CANTON ST	SEND	1/12/2015	CULTEC CHAMBER
14373	24-26	CEDAR ST	MATP	1/15/2015	DRYWELL
14458	145-149	CEDAR ST	ROXB	1/20/2015	CULTEC CHAMBER
14323	700	BOYLSTON ST	BBBH	1/23/2015	PERFORATED PIPE
14386	250	MERIDIAN ST	EBOS	1/23/2015	PERFORATED PIPE
14453	5	SEAFOOD WY	SBOS	1/23/2015	CULTEC CHAMBER
14463	178A	RUSKINDALE RD	HYDE	1/23/2015	DRYWELL
14468	84	FENWAY	FEKE	1/23/2015	DRYWELL
14389	170	DAVID G MUGAR RD	BBBH	1/26/2015	CULTEC CHAMBER
14442	27	WALL ST	CHAR	1/29/2015	DRYWELL
14326	100	BALLOU AV	MATP	2/3/2015	BIO SWALE
14434	38-46	BURBANK ST	FEKE	2/3/2015	FILTRATION BASINS
14478	60	HOLWORTHY ST	ROXB	2/3/2015	CULTEC CHAMBER
14341	888	BOYLSTON ST	BBBH	2/4/2015	INJECTION WELLS
15026	25-27	TIP TOP ST	ALBR	2/5/2015	STORMTECH CHAMBERS
15393	20-22	HAYNES ST	EBOS	2/6/2015	DRYWELL
08244	36 & 40	FISHER AV	JAPL	2/7/2015	DRYWELL
14314	472	WASHINGTON ST	SDOR	2/12/2015	CULTEC CHAMBER
14315	4-6	LYNDHURST ST	SDOR	2/12/2015	CULTEC CHAMBER
13220	3-7	PAYNE ST	SDOR		CULTEC CHAMBER
14139	261	LEXINGTON ST	EBOS		CULTEC CHAMBER
14223	415	BREMEN ST	EBOS		PERFORATED PIPE
14081	30	DALTON ST	BBBH		TANK/INJECTION WELL
14472	17-19	LAMBERT AV	ROXB		LEACHING BASIN
14477	51	SEAPORT BLVD	SBOS		PERFORATED PIPE
15010	6-8	CRESTVIEW RD	ROSL		CULTEC CHAMBER
13039	25		NDOR		CULTEC CHAMBER
14439	399	BOYLSTON ST	BBBH		CULTEC CHAMBER
14449	408	EAST EIGHTH ST	SBOS		CULTEC CHAMBER
14481	80	DUDLEY ST	ROXB		STORMTECH CHAMBERS
12260	12R	ERICSSON ST	SDOR		DRYWELL
14023	336	CHELSEA ST	EBOS		DRYWELL
14192	11	DORCHESTER ST	SBOS		STORMTECH CHAMBERS
14451	40	MALVERN ST	ALBR		PERFORATED PIPE
14292	361-363	WALNUT AV	ROXB		STORMTECH CHAMBERS
14352	14	OTIS PL	BBBH		PERFORATED PIPE
14456	266	LAMARTINE ST	JAPL		CULTEC CHAMBER
15005	724	EAST SECOND ST	SBOS	3/3/2015	CULTEC CHAMBER

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE			
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM		
15025	12	POPES HILL ST	SDOR	3/3/2015	CULTEC CHAMBER		
14120	255	SAINT BOTOLPH ST	FEKE	3/6/2015	MULTIPLE		
14235	72	LUCERNE ST	MATP	3/6/2015	MEDIA FILTERS		
14274	314	MARLBOROUGH ST	BBBH	3/6/2015	PERFORATED PIPE		
15053	1435	TREMONT ST	ROXB	3/6/2015	DRYWELL		
14294	38	WALNUT PARK	ROXB	3/9/2015	CULTEC CHAMBER		
14353	1-6	BOYLSTON PL	CENT	3/9/2015	PERFORATED PIPE		
15045	85	LEXINGTON ST	EBOS	3/9/2015	DRYWELL		
14162	200	BROOKLINE AV	FEKE	3/11/2015	LEACHING BASIN		
14254	680-920	EAST FIRST ST	SBOS	3/13/2015	STORMTECH CHAMBERS		
14455	10	NEW ST	EBOS	3/13/2015	PERFORATED PIPE		
15029	6	SOLEY ST	CHAR	3/13/2015	DRYWELL		
15021	166	WEST CANTON ST	SEND	3/16/2015	DRYWELL		
15054	717	BOYLSTON ST	BBBH	3/16/2015	STORMTECH CHAMBERS		
15009	141-143	WEST SIXTH ST	SBOS	3/17/2015	LEACHING BASIN		
13366	20-22	LIBERTY DR	SBOS	3/20/2015	PERFORATED PIPE		
14053	830	HUNTINGTON AV	JAPL	3/20/2015	CULTEC CHAMBER		
14338	900	BEACON ST	FEKE	3/20/2015	PERFORATED PIPE		
15041	1882-1888	RIVER ST	HYDE	3/20/2015	STORMTECH CHAMBERS		
14224	4228	WASHINGTON ST	ROSL	3/23/2015	PERFORATED PIPE		
15018	42	THOMPSON ST	HYDE	3/23/2015	CULTEC CHAMBER		
15027	104	BROOKLEY RD	JAPL	3/23/2015	DRYWELL		
15050	2	FRANKLIN ST	CHAR	3/23/2015	DRYWELL		
15065	1-3	MECHANIC ST	CENT	3/24/2015	DRYWELL		
14436	30	NORTHAMPTON ST	SEND	3/27/2015	PERFORATED PIPE		
15011	26	APPLETON ST	SEND	3/30/2015	CULTEC CHAMBER		
15042	65	GOVE ST	EBOS	3/30/2015	CULTEC CHAMBER		
15023	86	SOUTHERN AV	SDOR	3/31/2015	PERFORATED PIPE		
12356	92	MOUNT VERNON ST	WROX	4/1/2015	CULTEC CHAMBER		
13228	60	SOUTHERN AV	SDOR	4/1/2015	PERFORATED PIPE		
13302	35	AUGUSTUS AV	ROSL	4/1/2015	CULTEC CHAMBER		
15024	230-234	BOWEN ST	SBOS	4/1/2015	LEACHING BASIN		
15084	12-14	HALF MOON ST	ROXB	4/1/2015	DRYWELL		
13223	13	PARKMAN ST	SDOR	4/3/2015	DRYWELL		
15044	27	HANSBOROUGH ST	MATP	4/3/2015	DRYWELL		
14482	2417	CENTRE ST	WROX	_	CULTEC CHAMBER		
14443	37	BABSON ST	MATP	4/8/2015	STORMTECH CHAMBERS		
15081	18	ANSONIA RD	WROX		MULTIPLE		
15082	27	HOWLAND ST	ROXB		LEACHING BASIN		
15092	5	VINSON ST	SDOR	-	DRYWELL		
14017	203	RIVER ST	MATP		PERFORATED PIPE		
14320	52	FRANCIS ST	FEKE		PERFORATED PIPE		
15017	100	FULTON ST	CENT		STORMTECH CHAMBERS		
13054	1282	BOYLSTON ST	FEKE	_	PERFORATED PIPE		
15097	933	EAST SECOND ST	SBOS	4/14/2015	STORMTECH CHAMBERS		

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE			
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM		
15047	101-107	HAMPDEN ST	ROXB	4/16/2015	STORMTECH CHAMBERS		
14411		PEMBROKE ST	SEND	4/17/2015	MULTIPLE		
14102	429	MOUNT VERNON ST	NDOR	4/22/2015	BIO SWALE		
14293	11-15	WALDREN RD	ROXB	4/22/2015	CULTEC CHAMBER		
15035	374	COMMONWEALTH AV	вввн	4/22/2015	TANK/INJECTION WELL		
15055	30	MIDDLE ST	SBOS	4/22/2015	STORMTECH CHAMBERS		
15038	30	PARK ST	SDOR	4/23/2015	CULTEC CHAMBER		
15100	604	WELD ST	WROX	4/23/2015	MULTIPLE		
14151	750	ALBANY ST	SEND	4/28/2015	PERFORATED PIPE		
14277	61	WOOLSON ST	MATP	4/28/2015	DRYWELL		
14383	119	CHARLES ST	BBBH	4/28/2015	CULTEC CHAMBER		
15016	41	BRADDOCK PARK	BBBH	4/28/2015	CULTEC CHAMBER		
15034	950	HARVARD ST	MATP	4/28/2015	STORMTECH CHAMBERS		
15057	280	CHARLES ST	CENT		PERFORATED PIPE		
15085	65	NORTH HARVARD ST	ALBR	4/28/2015	CULTEC CHAMBER		
15108	275	OLD COLONY AV	SBOS	4/28/2015	DRYWELL		
15118	186-188	PARIS ST	EBOS	4/28/2015	DRYWELL		
14288	17	BOND ST	SEND	4/30/2015	CULTEC CHAMBER		
15073	14-24	NEPTUNE RD	EBOS	4/30/2015	DRYWELL		
14278	46	WAREHAM ST	SEND	5/4/2015	PERFORATED PIPE		
14469	299	DUDLEY ST	NDOR	5/4/2015	PERFORATED PIPE		
15068	22-24	WOODWARD ST	SBOS		PERFORATED PIPE		
15126	21	EMMETT ST	ROSL	5/4/2015	CULTEC CHAMBER		
14299	9	FULDA ST	ROXB	5/6/2015	CULTEC CHAMBER		
15070	62	KEITH ST	WROX	5/6/2015	CULTEC CHAMBER		
15077	160	BIGELOW ST	ALBR		PERFORATED PIPE		
14388	12	SEDGWICK ST	JAPL	5/12/2015			
14018	7	EAST SPRINGFIELD ST	SEND		LEACHING BASIN		
14319	30-56	FENWOOD RD	JAPL	5/13/2015	PERFORATED PIPE		
14321	24	SAINT ALBANS RD	JAPL		PERFORATED PIPE		
14029	1	HANSON ST	SEND		CULTEC CHAMBER		
14450	1-7	DALTON ST	BBBH		TANK/INJECTION WELL		
15046	928	EAST BROADWAY	SBOS	5/14/2015	CULTEC CHAMBER		
15061	209	NEWBURY ST	BBBH	5/14/2015	CULTEC CHAMBER		
15094	101	BEACON ST	BBBH		LEACHING BASIN		
15124	101	HUDSON ST	CENT		STORMTECH CHAMBERS		
14086	783	LA GRANGE ST	WROX	+	CULTEC CHAMBER		
14396	90	WHITE ST	EBOS		CULTEC CHAMBER		
15063	30	B ST	SBOS		STORMTECH CHAMBERS		
15102	79	PETER PARLEY RD	ROXB		LEACHING BASIN		
14430	18	WEST COTTAGE ST	ROXB		PERFORATED PIPE		
13378	600	HARRISON AV	SEND		PERFORATED PIPE		
14048	68	BEACHVIEW RD	EBOS	5/21/2015			
15111	5125	WASHINGTON ST	WROX		CULTEC CHAMBER		
15134	29-31	LELAND ST	ROSL	5/21/2015	CULTEC CHAMBER		

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE	
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM
14401	80	GUEST ST	ALBR	5/26/2015	CULTEC CHAMBER
15099	35A & 35B	BRIGHTON ST	CHAR	5/26/2015	CULTEC CHAMBER
15110	1508	TREMONT ST	JAPL	5/26/2015	STORMTECH CHAMBERS
14181	105A	SOUTH HUNTINGTON AV	JAPL	5/27/2015	PERFORATED PIPE
15158	177-179	WEST SECOND ST	SBOS	5/27/2015	STORMTECH CHAMBERS
15019	244	MARLBOROUGH ST	BBBH	5/28/2015	CULTEC CHAMBER
15088	610	COMMONWEALTH AV	FEKE	5/28/2015	MULTIPLE
14464	9	CALDWELL ST	CHAR	5/29/2015	DRYWELL
15159	435	EAST THIRD ST	SBOS	5/29/2015	DRYWELL
15112	3A	DOUGLAS ST	SBOS	6/1/2015	DRYWELL
15120	1582	RIVER ST	HYDE	6/1/2015	STORMTECH CHAMBERS
15148	300	BEACON ST	вввн	6/2/2015	CULTEC CHAMBER
14424	9-11	EAST COTTAGE ST	ROXB	6/3/2015	DRYWELL
14471	298	BEACON ST	вввн	6/3/2015	CULTEC CHAMBER
15071	23	KERNA RD	WROX	6/3/2015	CULTEC CHAMBER
15155	82	WORCESTER ST	SEND	6/4/2015	DRYWELL
15117	379	MAVERICK ST	EBOS	6/5/2015	CULTEC CHAMBER
15151	201	BREMEN ST	EBOS	6/5/2015	DRYWELL
14061	10	ROXBURY ST	ROXB	6/8/2015	PERFORATED PIPE
14347	425	EAST SIXTH ST	SBOS	6/8/2015	CULTEC CHAMBER
15105	133	WESTMOOR RD	WROX	6/8/2015	CULTEC CHAMBER
15178	80	FAYWOOD AV	EBOS	6/11/2015	STORMTECH CHAMBERS
15143	6 & 10	DRAPERS LN	SEND	6/15/2015	CULTEC CHAMBER
15086	442	CAMBRIDGE ST	ALBR	6/17/2015	STORMTECH CHAMBERS
13433	49	HARVARD WY	ALBR	6/18/2015	CULTEC CHAMBER
15152	299	SUMNER ST	EBOS	6/18/2015	CULTEC CHAMBER
15170	35-41	LAMBERT ST	ROXB	6/18/2015	CULTEC CHAMBER
15177	75	NORTHDALE RD	WROX	_	CULTEC CHAMBER
15196	148	WEST NEWTON ST	SEND	6/18/2015	STORMTECH CHAMBERS
15198	80	ERIE ST	ROXB	6/24/2015	STORMTECH CHAMBERS
14128	11	NEWCOMB ST	SEND	6/25/2015	PERFORATED PIPE
15197	799	COLUMBIA RD	NDOR	6/25/2015	STORMTECH CHAMBERS
15195	31	BERYL ST	ROSL	6/26/2015	CULTEC CHAMBER
14462	43	L ST	SBOS	6/29/2015	DRYWELL
15022	303	DARTMOUTH ST	BBBH	6/29/2015	DRYWELL
15141	47	WEBSTER ST	EBOS	6/29/2015	CULTEC CHAMBER
15147	46	BIRCHWOOD ST	WROX		CULTEC CHAMBER
14419	622-628	DUDLEY ST	ROXB		STORMTECH CHAMBERS
15204	18	FOLLEN ST	BBBH		STORMTECH CHAMBERS
14003	30-36	TRAVELER ST	SEND	1	DRYWELL
15125	12	HARDWICK ST	ALBR		STORMTECH CHAMBERS
14415	19-37	LEYLAND ST	ROXB		STORMTECH CHAMBERS
15032	340	WEST SECOND ST	SBOS		STORMTECH CHAMBERS
15052	310	MARLBOROUGH ST	BBBH		CULTEC CHAMBER
15122	2	FENSMERE RD	WROX	7/2/2015	CULTEC CHAMBER

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE				
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM			
15078	5-17	CLEAVES ST	ROXB	7/6/2015	CULTEC CHAMBER			
15079	1865	COLUMBUS AV	ROXB	7/6/2015	CULTEC CHAMBER			
15107	33	SUMNER ST	EBOS	7/6/2015	PERFORATED PIPE			
14107	3611, 3615	WASHINGTON ST	JAPL	7/7/2015	PERFORATED PIPE			
14423	124-132	BROOK AV	ROXB	7/7/2015	STORMTECH CHAMBERS			
15130	27	BERYL ST	ROSL	7/7/2015	CULTEC CHAMBER			
15171	142-150	MASSACHUSETTS AV	FEKE	7/7/2015	PERFORATED PIPE			
15133	201-205	E ST	SBOS	7/9/2015	PERFORATED PIPE			
14125	23	EAGLE ST	WROX	7/10/2015	CULTEC CHAMBER			
14126	14,21,23	EAGLE ST	WROX	7/10/2015	LEACHING BASIN			
15183	7	ALBEMARLE CT	HYDE	7/10/2015	CULTEC CHAMBER			
14437	150	SOUTH HUNTINGTON AV	JAPL	7/13/2015	MULTIPLE			
15090	29	LAWRENCE AV	ROXB	7/13/2015	STORMTECH CHAMBERS			
15169	321-325	WEST BROADWAY	SBOS	7/14/2015	STORMTECH CHAMBERS			
14363	321	NEPONSET AV	HYDE	7/15/2015	CULTEC CHAMBER			
14384	296	BEACON ST	вввн	7/15/2015	CULTEC CHAMBER			
14428	61	NORMANDY ST	ROXB	7/15/2015	CULTEC CHAMBER			
14431	95	WOODLEDGE ST	ROXB	7/15/2015	UNKNOWN			
15176	14	SNOWDEN WY	MATP	7/15/2015	PERFORATED PIPE			
15219	18	CLAREMONT ST	вввн	7/15/2015	CULTEC CHAMBER			
14068	30	HANSON ST	SEND	7/16/2015	CULTEC CHAMBER			
15220	117	WEST NEWTON ST	SEND	7/16/2015	CULTEC CHAMBER			
14124	21	EAGLE ST	WROX	7/20/2015	CULTEC CHAMBER			
14413	537	SUMNER ST	EBOS	7/20/2015	CULTEC CHAMBER			
15036	53	ROBESON ST	ROXB	7/21/2015	CULTEC CHAMBER			
15201	17R	CLARK ST	CENT	7/22/2015	DRYWELL			
15233	1-7	ATWOOD SQ	JAPL	7/22/2015	STORMTECH CHAMBERS			
14058	56	STELLA RD	ROSL	7/23/2015	DRYWELL			
15238	15	RUTLAND SQ	SEND	7/23/2015	STORMTECH CHAMBERS			
13273	20	GUEST ST	ALBR	7/27/2015	STORMTECH CHAMBERS			
15048	326	DUDLEY ST	ROXB	7/27/2015	GRAVEL WETLAND			
15012	5-7	HUNTER ST	ROSL	7/31/2015	CULTEC CHAMBER			
15150	328	WEST THIRD ST	SBOS	7/31/2015	PERFORATED PIPE			
15140	140	BEECH ST	ROSL	8/4/2015	CULTEC CHAMBER			
15149	361	MAVERICK ST	EBOS	8/4/2015	STORMTECH CHAMBERS			
15180	19	DEERING RD	MATP	8/4/2015	CULTEC CHAMBER			
15199	34	NEPONSET AV	ROSL	8/4/2015	CULTEC CHAMBER			
15208	91	CHELSEA ST	EBOS	8/4/2015	DRYWELL			
15247	235	NEWBURY ST	вввн	8/4/2015	LEACHING BASIN			
15093	32	DERNE ST	вввн	8/6/2015	PERFORATED PIPE			
15211	291	INDEPENDENCE DR	WROX	8/6/2015	PERFORATED PIPE			
15114	371	D ST	SBOS	8/7/2015	BIO SWALE			
10265	5165	WASHINGTON ST	WROX	8/10/2015	5 CULTEC CHAMBER			
15101	21	PAINE ST	ROSL	8/10/2015	STORMTECH CHAMBERS			
14467	53	SAVIN ST	ROXB	8/12/2015	DRYWELL			

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE			
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM		
14466	51	SAVIN ST	ROXB	8/13/2015	DRYWELL		
15223	7	ALLEGHANY ST	JAPL	8/13/2015	CULTEC CHAMBER		
15224	9	ALLEGHANY ST	JAPL	8/13/2015	CULTEC CHAMBER		
15225	11	ALLEGHANY ST	JAPL	8/13/2015	CULTEC CHAMBER		
14035	472	BEACON ST	вввн	8/14/2015	CULTEC CHAMBER		
14393	3	WALDEN ST	JAPL	8/14/2015	STORMTECH CHAMBERS		
15004	32-34	LA GRANGE ST	WROX	8/14/2015	PERFORATED PIPE		
15279	12	LINCOLN ST	SDOR	8/14/2015	DRYWELL		
15007	245	SUMNER ST	EBOS	8/20/2015	INJECTION WELLS		
15056	75	AMORY AV	ROXB	8/20/2015	PERFORATED PIPE		
15146	84-90	CUSHING AV	NDOR	8/21/2015	LEACHING BASIN		
15209	197	MARLBOROUGH ST	ВВВН	8/21/2015	DRYWELL		
15214	988	TREMONT ST	JAPL	8/21/2015	DRYWELL		
15248	14-16	OAK ST	CHAR	8/21/2015	STORMTECH CHAMBERS		
15251	20 A,B,C	HAWTHORNE ST	ROXB	8/21/2015	CULTEC CHAMBER		
13356	214-216	EAST EAGLE ST	EBOS	8/24/2015	PERFORATED PIPE		
15166	2100	DORCHESTER AV	SDOR	8/26/2015	PERFORATED PIPE		
15280	244	BOWDOIN ST	SDOR	8/26/2015	STORMTECH CHAMBERS		
15291	216R-218	SARATOGA ST	EBOS	8/27/2015	CULTEC CHAMBER		
15288	2	NORTHDALE TER	WROX	8/28/2015	CULTEC CHAMBER		
15203	25	ARLINGTON ST	ALBR	8/31/2015	CULTEC CHAMBER		
15106	100	MEADOW RD	HYDE	9/1/2015	BIO SWALE		
14252	84	CEDAR ST	ROXB	9/2/2015	CULTEC CHAMBER		
15236	55	WOODLAWN ST	ROSL	9/2/2015	CULTEC CHAMBER		
15239	6-14	FERN ST	ALBR	9/2/2015	CULTEC CHAMBER		
15250	50	LIBERTY DR	SBOS	9/2/2015	PERFORATED PIPE		
15267	15	WENDELLER ST	SBOS	9/2/2015	CULTEC CHAMBER		
15231	6	WESTMINSTER AV	ROXB	9/3/2015	CULTEC CHAMBER		
13324	702R	EAST FIFTH ST	SBOS	9/8/2015	STORMTECH CHAMBERS		
15240	333	SUMMER ST	SBOS	9/8/2015	LEACHING BASIN		
15302	16	PREBLE ST	SBOS	9/8/2015	DRYWELL		
15109	138	OLD COLONY AV	SBOS	9/9/2015	STORMTECH CHAMBERS		
15127	521	SHAWMUT AV	SEND	9/9/2015	CULTEC CHAMBER		
15136	10	CHESTNUT ST	BBBH	9/9/2015	CULTEC CHAMBER		
15175	48	WAYLAND ST	ROXB	9/10/2015	DRYWELL		
15252	70	BEECHCROFT ST	ALBR	9/10/2015	LEACHING BASIN		
14444	82	HAMPDEN ST	ROXB	9/11/2015	STORMTECH CHAMBERS		
15098	82-84	WORDSWORTH ST	EBOS	9/11/2015	STORMTECH CHAMBERS		
15217	875	RIVER ST	HYDE	9/11/2015	PERFORATED PIPE		
15229	99	BROOKLEY RD	JAPL	9/11/2015	DRYWELL		
15230	89	BROOKLEY RD	JAPL	9/11/2015	DRYWELL		
15294	1258	BLUE HILL AV	MATP	9/11/2015	CULTEC CHAMBER		
15262	509	EAST FIRST ST	SBOS	9/14/2015	DRYWELL		
15299	2	FLORIAN WY	ROSL	9/14/2015	CULTEC CHAMBER		
15241	5	FRANKLIN ST	CHAR	9/16/2015	CULTEC CHAMBER		

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE	
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM
14280	14	POND CIR	JAPL	9/17/2015	CULTEC CHAMBER
15060	3383	WASHINGTON ST	JAPL	9/17/2015	DRYWELL
15215	515	EAST FIRST ST	SBOS	9/17/2015	DRYWELL
15303	15	BALINA PL	MATP	9/18/2015	CULTEC CHAMBER
15330	66	TAYLOR ST	SDOR	9/18/2015	STORMTECH CHAMBERS
15307	621	EAST FIRST ST	SBOS	9/21/2015	STORMTECH CHAMBERS
15308	27-29	COOK ST	CHAR	9/23/2015	STORMTECH CHAMBERS
15333	246-248	WEST BROADWAY	SBOS	9/23/2015	STORMTECH CHAMBERS
12345	77-91	SEAPORT BLVD	SBOS	9/24/2015	PERFORATED PIPE
15259	47	WINCHESTER ST	CENT	9/24/2015	LEACHING BASIN
15089	136-140	SHAWMUT AV	SEND	9/28/2015	MULTIPLE
15257	36	LA GRANGE ST	WROX	9/28/2015	STORMTECH CHAMBERS
15310	82	PRESENTATION RD	ALBR	9/28/2015	CULTEC CHAMBER
15339	38	PORT NORFOLK ST	SDOR	9/28/2015	STORMTECH CHAMBERS
14123	14	EAGLE ST	WROX	9/29/2015	CULTEC CHAMBER
15156	29	HARVARD ST	CHAR	9/29/2015	STORMTECH CHAMBERS
15228	67-69	SOUTH ST	JAPL	9/29/2015	CULTEC CHAMBER
15314	87	FORBES ST	JAPL	9/29/2015	CULTEC CHAMBER
15345	3	BRIGHAM ST	EBOS	9/29/2015	STORMTECH CHAMBERS
15020	65	SEAPORT BLVD	SBOS	9/30/2015	PERFORATED PIPE
15298	32	O ST	SBOS	10/1/2015	DRYWELL
15202	101	SAINT THERESA AV	WROX	10/5/2015	LEACHING BASIN
15278	133	WEST CONCORD ST	SEND	10/5/2015	CULTEC CHAMBER
15317	14-16	HARRISON ST	ROSL	10/5/2015	CULTEC CHAMBER
14427	8-24	MAGNOLIA ST	ROXB	10/6/2015	UNKNOWN
15306	1680	VFW PKWY	WROX	10/6/2015	MULTIPLE
14087	888-892	TREMONT ST	SEND	10/7/2015	CULTEC CHAMBER
15359	326	SHAWMUT AV	SEND	10/8/2015	STORMTECH CHAMBERS
15074	150	WILLIAM T MORRISSEY BLVD	NDOR	10/9/2015	STORMTECH CHAMBERS
15154	6	PARMELEE ST	SEND	10/9/2015	CULTEC CHAMBER
15179	160	MOUNT VERNON ST	NDOR	10/9/2015	RAIN GARDEN
15256	57	L ST	SBOS	10/9/2015	STORMTECH CHAMBERS
15258	2	JUDGE ST	JAPL	10/9/2015	STORMTECH CHAMBERS
15290	77	BLAKE ST	HYDE	10/9/2015	CULTEC CHAMBER
15348	37	ETHEL ST	ROSL	10/14/2015	CULTEC CHAMBER
15350	76	HEMMAN ST	ROSL	10/14/2015	CULTEC CHAMBER
14400	79	CHESTNUT ST	ВВВН	10/15/2015	CULTEC CHAMBER
15003	319	A ST	SBOS	10/15/2015	PERFORATED PIPE
15243	150	WEST BROADWAY	SBOS	10/15/2015	CULTEC CHAMBER
15301	177	BEACON ST	BBBH	10/15/2015	UNKNOWN
15305	108-112	ARLINGTON ST	CENT	10/15/2015	PERFORATED PIPE
15358	301-305	WEST BROADWAY	SBOS	10/15/2015	STORMTECH CHAMBERS
15365	12	BAKER CT	NDOR	10/15/2015	DRYWELL
15366	482	EAST FOURTH ST	SBOS	10/15/2015	DRYWELL
15051	114	BIRCH ST	ROSL	10/16/2015	DRYWELL

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE		
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM	
15287	63	BYRON ST	EBOS	10/16/2015	DRYWELL	
15353	336	CHELSEA ST	EBOS	10/16/2015	STORMTECH CHAMBERS	
15335	25	WORCESTER ST	SEND	10/19/2015	CULTEC CHAMBER	
15137	316	SHAWMUT AV	SEND	10/20/2015	DRYWELL	
15263	1902-1904	WASHINGTON ST	ROXB	10/20/2015	PERFORATED PIPE	
15342	44-48	FORBES ST	JAPL	10/20/2015	PERFORATED PIPE	
15364	8	BAKER CT	NDOR	10/20/2015	DRYWELL	
15200	468	PARK DR	FEKE	10/21/2015	CULTEC CHAMBER	
15337	38	HOPKINS RD	JAPL	10/21/2015	CULTEC CHAMBER	
15351	2	COTTAGE ST	SBOS	10/22/2015	STORMTECH CHAMBERS	
15028	120	CENTRE ST	ROXB	10/23/2015	CULTEC CHAMBER	
15315	50	LIBERTY DR	SBOS	10/23/2015	MULTIPLE	
15354	19	PARK ST	CHAR	10/23/2015	STORMTECH CHAMBERS	
14243	11	CHISHOLM TER	ROSL	10/26/2015	CULTEC CHAMBER	
15157	99	TREMONT ST	ALBR	10/26/2015	LEACHING BASIN	
15386	227	GLADSTONE ST	EBOS	10/26/2015	STORMTECH CHAMBERS	
15312	529	EAST FOURTH ST	SBOS	10/27/2015	CULTEC CHAMBER	
14041	448	BEACON ST	BBBH	10/29/2015	PERFORATED PIPE	
14193	1350	BOYLSTON ST	FEKE	10/29/2015	PERFORATED PIPE	
15015	35-37	WYVERN ST	ROSL	10/29/2015	CULTEC CHAMBER	
15237	7	WENDELL PL	SBOS	10/29/2015	CULTEC CHAMBER	
15260	300	BEACON ST	BBBH	10/29/2015	CULTEC CHAMBER	
15266	30	HASLET ST	ROSL	10/29/2015	DRYWELL	
15375	3-5	GEM AV	ALBR	10/29/2015	CULTEC CHAMBER	
15319	98	BROOKLINE AV	FEKE	10/30/2015	LEACHING BASIN	
14343	5	BRIGHAM ST	EBOS	11/2/2015	BIO FILTER STRIPS	
15269	332	ASHMONT ST	SDOR	11/2/2015	CULTEC CHAMBER	
15311	20	SHEAFE ST	CENT	11/2/2015	PERFORATED PIPE	
15400	312	SPRING ST	WROX	11/3/2015	STORMTECH CHAMBERS	
15173	287	SHAWMUT AV	SEND	11/4/2015	CULTEC CHAMBER	
15326	59	PLEASANT ST	NDOR	11/4/2015	CULTEC CHAMBER	
15401	14	WEYBOSSET ST	HYDE	11/4/2015	STORMTECH CHAMBERS	
15402	35	FARRAGUT RD	SBOS	11/4/2015	STORMTECH CHAMBERS	
14452	794	EAST SIXTH ST	SBOS	11/5/2015	STORMTECH CHAMBERS	
15189	125	NEWBURY ST	BBBH	11/5/2015	CULTEC CHAMBER	
15368	51-53	ROBEY ST	NDOR	11/5/2015	STORMTECH CHAMBERS	
15369	29-35	ROBEY ST	NDOR	11/5/2015	STORMTECH CHAMBERS	
15370	37-43	ROBEY ST	NDOR	11/5/2015	STORMTECH CHAMBERS	
15371	23-25	ROBEY ST	NDOR		STORMTECH CHAMBERS	
15091	169	PORTLAND ST	CENT		PERFORATED PIPE	
14438	177	LAKE SHORE RD	ALBR	-	CULTEC CHAMBER	
15013	117	BEACON ST	BBBH		CULTEC CHAMBER	
15008	25	BEACON ST	BBBH		PERFORATED PIPE	
15192	230	DARTMOUTH ST	BBBH		PERFORATED PIPE	
15255	42	HARVARD AV	HYDE	11/10/2015	CULTEC CHAMBER	

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE			
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM		
15264	8-12-16	HARVARD TER	ALBR	11/12/2015	CULTEC CHAMBER		
15387	2-10	EAST CONCORD ST	SEND	11/12/2015	MULTIPLE		
12120	5	MARLBOROUGH ST	BBBH	11/13/2015	LEACHING BASIN		
13332	141	WEST CANTON ST	SEND	11/13/2015	LEACHING BASIN		
14309	71	WILLOW CT	NDOR	11/13/2015	DRYWELL		
15075	121	SEAPORT BLVD	SBOS	11/13/2015	MULTIPLE		
15268	6	ANSONIA RD	WROX	11/13/2015	DRYWELL		
14391	19 and 23	RIVERSIDE SQ	HYDE	11/16/2015	CULTEC CHAMBER		
15313	288	COMMONWEALTH AV	ALBR	11/16/2015	CULTEC CHAMBER		
15423	372	NEPONSET AV	SDOR	11/16/2015	DRYWELL		
15059	75	BRAINTREE ST	ALBR	11/17/2015	MULTIPLE		
15344	107	MURDOCK ST	ALBR	11/17/2015	CULTEC CHAMBER		
15378	175	HOWARD AV	ROXB	11/18/2015	STORMTECH CHAMBERS		
14377	39-41	MOUNT VERNON ST	BBBH	11/19/2015	TANK/INJECTION WELL		
15304	97-115	BEVERLY ST	CENT		PERFORATED PIPE		
15373	91	BAKER ST	WROX		CULTEC CHAMBER		
15006	126	BORDER ST	EBOS	11/20/2015	PERFORATED PIPE		
14106	1047	COMMONWEALTH AV	ALBR	11/23/2015	STORMTECH CHAMBERS		
14344	230	HARRISON AV	CENT	11/23/2015	DRYWELL		
14405	593	TREMONT ST	SEND		STORMTECH CHAMBERS		
15069	32	RIVER ST	BBBH	11/23/2015	CULTEC CHAMBER		
15277	50	SAINT MARGARET ST	NDOR	11/23/2015	UNKNOWN		
15406	57	SEATTLE ST	ALBR	11/23/2015	PERFORATED PIPE		
15420	9-11	WARD ST	SBOS	11/23/2015	DRYWELL		
14129	9	COOPER ST	CENT	11/24/2015	CULTEC CHAMBER		
15206	42	DENNIS ST	ROXB	11/24/2015	PERFORATED PIPE		
15338	582	CANTERBURY ST	ROSL		CULTEC CHAMBER		
15194	110	BROAD ST	CENT		TANK/INJECTION WELL		
15361	132	WEST NEWTON ST	SEND	11/25/2015	DRYWELL		
13179	455	EAST FIRST ST	SBOS	12/1/2015	LEACHING BASIN		
15293	38-40	SHERIDAN ST	JAPL	12/1/2015	STORMTECH CHAMBERS		
15309	12	WOOD ST	CHAR		STORMTECH CHAMBERS		
15390	201	WEST BROOKLINE ST	SEND	12/1/2015	PERFORATED PIPE		
15437	579	EAST EIGHTH ST	SBOS	12/1/2015	DRYWELL		
15438	870	EAST SIXTH ST	SBOS	12/1/2015	STORMTECH CHAMBERS		
15411	288	MARGINAL ST	EBOS	12/2/2015			
15115	2	HUMBOLDT PL	SBOS		CULTEC CHAMBER		
15360	15	FRANCIS ST	FEKE		PERFORATED PIPE		
15242	88-881	HUDSON ST	CENT		CULTEC CHAMBER		
15441	15	MOUNT VERNON ST	CHAR	12/4/2015			
15407	104	PRINCE ST	CENT		TANK/INJECTION WELL		
15416	2	CHESTNUT ST	BBBH		STORMTECH CHAMBERS		
15116	22	CHICKATAWBUT ST	SDOR		CULTEC CHAMBER		
15404	31	MASSACHUSETTS AV	BBBH		CULTEC CHAMBER		
15419	1971-1977	DORCHESTER AV	SDOR	12/8/2015	CULTEC CHAMBER		

Table 3-4. Private Infiltration Devices Installed 2015

PROJECT			NEIGHBOR-	SIGNATURE	
NO.	ADDRESS #	STREET NAME	HOOD	DATE	INFILTRATION SYSTEM
14085	306	DARTMOUTH ST	ВВВН	12/9/2015	CULTEC CHAMBER
15193	439-443	WEST BROADWAY	SBOS	12/9/2015	STORMTECH CHAMBERS
15450	172	WEST NEWTON ST	SEND	12/10/2015	STORMTECH CHAMBERS
15376	2747	WASHINGTON ST	ROXB	12/15/2015	PERFORATED PIPE
15388	582-584	EAST THIRD ST	SBOS	12/15/2015	CULTEC CHAMBER
15430	99	EVERETT ST			
15434	165	FALCON ST	LCON ST EBOS 12/15/2015 CL		CULTEC CHAMBER
15457	152	WEST NEWTON ST			STORMTECH CHAMBERS
15295	1505	COMMONWEALTH AV	ALBR	12/16/2015	STORMTECH CHAMBERS
14333	20	NONANTUM RD	ALBR	12/17/2015	PERFORATED PIPE
15424	81	FERRIN ST	CHAR	12/18/2015	DRYWELL
15465	605	TREMONT ST	SEND	12/18/2015	STORMTECH CHAMBERS
15331	23	DOWNER AV	NDOR	12/22/2015	STORMTECH CHAMBERS
15357	662-664	SARATOGA ST	EBOS	12/22/2015	CULTEC CHAMBER
15405	386	MARKET ST	ALBR	12/22/2015	PERFORATED PIPE
15463	569-571	COLUMBUS AV	SEND	12/22/2015	DRYWELL
15464	33	FENTON ST	SDOR	12/22/2015	DRYWELL
15362	156	WARREN AV	SEND	12/23/2015	DRYWELL
15425	29	PETER PARLEY RD	ROXB	12/23/2015	CULTEC CHAMBER
15461	510	DORCHESTER AV	SBOS	12/23/2015	CULTEC CHAMBER
15466	194	HAVRE ST	EBOS	12/23/2015	DRYWELL
15436	474	BEACON ST	BBBH	12/28/2015	CULTEC CHAMBER
15469	47	GOODALE RD	MATP	12/29/2015	LEACHING BASIN
15421	258	WEBSTER ST	EBOS	12/30/2015	CULTEC CHAMBER
15422	11-13	GRANITE AV	SDOR	12/30/2015	DRYWELL
15144	99	RIVERMOOR ST	WROX	12/31/2015	STORMTECH CHAMBERS
15322	25-65	LEWIS ST	EBOS	12/31/2015	PERFORATED PIPE

Table 3-5. Privately Installed Particle Separators 2015

PROJECT NO.	ADDRESS #	STREET NAME	NEIGHBORHOOD	SIGNATURE DATE
13439	4236	WASHINGTON ST	ROSL	1/6/2015
14461	45	L ST	SBOS	1/9/2015
14356	39	NORTH BENNET ST	CENT	2/6/2015
14314	472	WASHINGTON ST	SDOR	2/12/2015
14476	120	BROOKLINE AV	FEKE	2/17/2015
13039	25	WILLIAM T MORRISSEY BLVD	NDOR	2/27/2015
14451	40	MALVERN ST	ALBR	3/2/2015
14254	680-920	EAST FIRST ST	SBOS	3/13/2015
14455	10	NEW ST	EBOS	3/13/2015
14436 30		NORTHAMPTON ST	SEND	3/27/2015
14017	203	RIVER ST	MATP	4/10/2015
14102	429	MOUNT VERNON ST	NDOR	4/22/2015
14151	750	ALBANY ST	SEND	4/28/2015
15034	950	HARVARD ST	MATP	4/28/2015
15046	928	EAST BROADWAY	SBOS	5/14/2015
14401	80	GUEST ST	ALBR	5/26/2015
13250	621	HUNTINGTON AV	FEKE	6/15/2015
14233	132	BROOKLINE AV	FEKE	7/1/2015
15032	340	WEST SECOND ST	SBOS	7/2/2015
14107	3611, 3615	WASHINGTON ST	JAPL	7/7/2015
14126	14,21,23	EAGLE ST	WROX	7/10/2015
15169	321-325	WEST BROADWAY	SBOS	7/14/2015
15211	291	INDEPENDENCE DR	WROX	8/6/2015
15250	50	LIBERTY DR	SBOS	9/2/2015
15217	875	RIVER ST	HYDE	9/11/2015
15294	1258	BLUE HILL AV	MATP	9/11/2015
15202	101	SAINT THERESA AV	WROX	10/5/2015
15179	160	MOUNT VERNON ST	NDOR	10/9/2015
15315	50	LIBERTY DR	SBOS	10/23/2015
14438	177	LAKE SHORE RD	ALBR	11/9/2015
14391	19 and 23	RIVERSIDE SQ	HYDE	11/16/2015
15423	372	NEPONSET AV	SDOR	11/16/2015
15304	97-115	BEVERLY ST	CENT	11/19/2015
15006	126	BORDER ST	EBOS	11/20/2015
15419	1971-1977	DORCHESTER AV	SDOR	12/8/2015
14333	20	NONANTUM RD	ALBR	12/17/2015
15144	99	RIVERMOOR ST	WROX	12/31/2015
15322 25-65 LEWIS ST		LEWIS ST	EBOS	12/31/2015

TABLE 5-1. Particle Separator Cleaning-Material Removed 202-2015

Location	Neighborhood	Receiving Water	2005-Material Removed (cubic yards)	2006-Material Removed (cubic yards)	2007-Material Removed (cubic yards)	2008-Material Removed (cubic yards)	2009-Material Removed (cubic yards)	0	3/10/2010	4/13/2010	5/25/2010	6/13/2010	7/20/2010	9/16/2010	10/21/2010	10/29/2010	2011 Material Removed (cubic yards) Various dates	2012 Material Removed (cubic yards) Various dates	2013 Material Removed	2014 Material Removed (cubic yards) Various dates	2015 Material Removed (cubic yards) Various dates	'AL MA
Aroboretum	Jamaica Plain	Bussy Brook	lot cleane	1.00	2.50	0.25	1.00	3.00									1.50	0.50		ing not needed	0.50	10.25
Centre Lane	WROX	Wetlands	0.25	0.25	0.75	0.25	0.10	0.25									0.05	0.00	Cleaning not needed	Cleaning not	Cleaning not needed	1.90
																					Cleaning not	
Centre St.	WROX	Wetlands	0.50	0.50	0.50	0.00	0.50	0.00									0.25	NA	0.25	ing not needed	needed Cleaning not	2.50
Coleridge St.	East Boston	Boston Harbor	0.25	0.25	0.50	2.00	0.25	2.50									0.01	0.00	0.50	2.00	needed	6.26
Carrieten Del	Daaliadala	Stony Brook	0.05	0.50	0.00	0.00	0.00	0.00									0.00	0.00	Cleaning not		Cleaning not	0.75
Coniston Rd.	Roslindale	Conduit	0.25	0.50	0.00	0.00	0.00	0.00									0.00	0.00	needed Cleaning not		needed Cleaning not	0.75
Denny St.	Dorchester	Malibu Beach	0.25	0.75	1.00	0.00	1.00	0.12									0.15	0.00	needed	0.25	needed	3.27
F-i 0t	Danah aatan	Name and Divers	0.05	0.05	0.05	0.00	0.05	0.45									0.00	0.00	Cleaning not		Cleaning not	4.05
Ericsson St.	Dorchester	Neponset River	0.25	0.25	0.25	0.00	0.25	0.15									0.20	0.00	needed	needed	needed Cleaning not	1.35
Fenwood Rd.	Roxbury	Muddy River	2.00	4.00	0.50	0.25	2.25		0.25		0.02	1.50	0.15	0.15		0.12	0.25	0.00		ing not needed	needed	11.69
																			Cleaning not		Cleaning not	
Lawley St.	Dorchester	Pine Neck Creek	0.25	0.25	0.15	0.03	0.25	0.50									0.01	0.00	needed	needed	needed Cleaning not	1.44
Martha Rd.	Central	Charles River																0.25	0.25	ing not needed	needed	0.50
																			Cleaning not		Cleaning not	
Neponset Ave.	Dorchester	Neponset River	2.00	2.75	1.50	0.50	1.50	2.00									0.50	0.00	needed		needed	10.75
_																			Cleaning not		Cleaning not	
Norton St.	Hyde Park	Open Channel	0.25	0.50	0.50	0.03	0.13	0.25									0.00	0.00	needed	needed	needed	1.66
Perkins St.	Jamaica Plain	Iamaica Band	0.25	0.25	1.50	0.00	1.50	2.00									0.00	0.00	0.50	ing not needed	Cleaning not needed	6.00
F CIKIIIS St.	Jamaica Fiain	Jamaica Fond	0.23	0.23	1.50	0.00	1.50	2.00				<u> </u>					0.00	0.00	Cleaning not		Cleaning not	0.00
Waldemar Ave.	East Boston	Belle Isle Inlet	1.00	recorded	0.25	0.25	0.10	0.12									0.00	0.00	needed		needed	1.72
				0 or not															Cleaning not	_	Cleaning not	
Waldemar Ave.	East Boston	Belle Isle Inlet	1.00	recorded	0.50	0.25	0.75	1.00									0.01	0.00	needed	needed	needed	3.51
Walter St.	Roslindale	Wetlands	0.25	Not cleaned	0.50	0.01	0.25		0.15	0.25	0.01		0.10	0.01	0.10		0.00	0.25	0.25	ing not needed	0.25	2.13
TOTALS			8.75	11.25	10.90	3.81	9.83	11.89	0.40	0.25	0.03	1.50	0.25	0.16	0.10	0.12	2.92	1.00	2.50	2.25	0.75	65.66

Table 7-1. 2012 Stormwater Model - Mean Annual Pollutant Loads for Boston's 27 Reporting Areas

	Drainage Area	Flow	BOD 5	COD	TKN	Nitrate- Nitrite as N	Ammonia as N	us	Ortho- phosphat e as P	Total Copper	Total Zinc	TSS	E Coli	Enterococ	Coliform
Reporting Area Name	Acres	CFS/yr					lb,	/yr						10 ⁹ CFU/yı	ſ
West Roxbury	889	2.37	14,028	63,894	2,215	7,695	679	308	82	19	63	29,427	115,093	73,017	99,765
Sawmill Brook	1277	6.12	25,223	111,598	4,610	21,366	1,481	689	194	35	107	53,139	169,381	111,714	147,072
Mid-Charles total	2166	8.49	39,251	175,492	6,824	29,061	2,160	998	276	54	170	82,566	284,474	184,731	246,837
Upper Stony	1832	4.76	25,517	116,162	4,537	11,003	1,462	610	176	35	108	56,961	195,192	118,118	163,714
Canterbury Brook	1889	7.01	102,193	376,759	16,955	21,891	9,627	2,812	909	74	234	145,004	635,362	295,512	890,923
Roslindale Branch	1199	2.09	38,913	165,714	5,930	5,686	2,677	835	249	36	113	70,307	306,891	140,819	314,951
Bussey Brook	839	1.13	6,704	17,754	1,031	2,313	405	148	45	7	15	9,885	18,068	13,573	21,458
Goldsmith Brook	746	1.36	13,530	64,412	2,085	4,068	651	295	69	18	58	30,010	109,971	68,121	87,133
Lower Stony	2165	5.54	72,827	277,964	11,330	16,228	6,266	1,803	601	76	268	110,565	420,530	179,517	491,573
Stony Brook total	8670	22	259,685	1,018,765	41,866	61,189	21,088	6,502	2,051	245	797	422,733	1,686,014	815,660	1,969,753
Village Brook Boston	787	2.65	14,590	50,106	2,390	8,624	1,206	450	130	14	47	20,440	95,024	63,473	139,033
Village Brook Brookline	2061	5.53	47,587	211,867	7,861	18,837	3,231	1,053	339	52	157	90,411	372,252	179,473	317,679
Other Muddy River	1785	7.95	82,671	270,542	12,683	7,733	6,658	2,600	645	99	362	120,510	344,192	212,280	365,787
Muddy River total	4633	16	144,847	532,515	22,935	35,195	11,096	4,103	1,114	165	565	231,362	811,468	455,225	822,499
Faneuil Brook	1316	2.66	40,450	186,467	6,960	7,030	2,750	990	264	47	152	88,573	336,100	169,342	294,366
Shepard Brook	415	1.25	22,114	106,379	3,116	2,876	911	591	90	29	117	48,529	199,314	130,916	152,862
Smelt Brook	846	1.64	32,776	175,163	4,911	4,035	1,168	834	117	47	170	81,245	331,610	211,548	206,479
Allston-Brighton	796	2.30	22,684	80,263	2,767	6,195	1,330	499	133	26	104	33,812	125,438	94,630	165,449
Millers River	208	1.57	15,716	65,888	1,891	3,732	575	383	60	18	76	29,967	119,979	88,372	95,414
Other Lower Charles total	3581	9	133,740	614,159	19,645	23,868	6,734	3,297	664	167	619	282,126	1,112,441	694,808	914,570
Lower Charles Basin total	19050	56	577,523	2,340,931	91,270	149,313	41,078	14,900	4,105	632	2,152	1,018,788	3,894,397	2,150,425	3,953,659
Mother Brook	441	0.89	10,303	40,028	1,604	2,757	775	239	75	9	27	16,586	72,716	39,695	88,018
Hyde Park	1766	3.68	47,075	224,150	7,358	10,903	2,528	1,030	256	54	187	101,006	388,464	213,159	304,092
Oakland Brook	519	1.78	18,211	79,542	2,951	5,882	1,254	407	127	19	57	33,949	149,837	71,668	150,633
Mattapan Brook	304	0.77	13,478	55,661	2,064	2,195	991	286	93	12	40	23,194	99,823	45,419	109,388
Lower Neponset	843	2.24	26,315	115,997	4,100	6,813	1,579	606	159	29	96	51,052	210,044	118,935	192,551
Tenean Creek	873	2.13	106,614	399,865	16,800	5,670	10,123	2,379	897	65	202	149,087	679,235	228,744	895,467
Davenport Creek	712	1.49	24,295	117,246	3,733	4,141	1,267	545	123	29	97	52,691	216,336	116,075	171,873
Neponset River total	5458	11	221,995	915,243	34,877	34,220	17,250	4,946	1,606	187	609	374,873	1,600,119	717,619	1,740,148
Charlestou	FF.	2.25	CO 573	202.425	10.500	F 000	2.040	1.003	355	100	200	174 040	776 725	F1C 0F0	F12 202
Charlestown	556			382,135		5,066		!				-			
East Boston	438		43,225	223,062		4,154									
Downtown	473		_	220,832	7,871	3,242						.	395,945		
Dorchester	1124	3.79	84,325	372,297	12,981	10,311	5,532	2,303	520	88	334	158,255	689,410	400,141	684,621

Table 7-2. Annual¹ Load Reduction Based on Illicit Discharge Removal in 2012 and 2013

Reporting Area Name	Drainage Area	Number Illicits Removed	Flow Removed	Total Phosphorus Removed	E Coli Removed	Entero- coccus Removed	Fecal Coliform Removed
	Acres		gpd	lb/yr		10 ⁹ CFU/y	r
West Roxbury	889	4	349	9	2,119	316	3,864
Sawmill Brook	1,277	11	698	20	2,732	355	5,160
Mid-Charles total	2,166	15	1047	28	4,851	671	9,024
Upper Stony	1,832	20	1888	47	10,946	1,444	20,486
Canterbury Brook	1,889	16	12853	324	70,155	9,206	131,071
Roslindale Branch	1,199	17	1438	77	17,647	2,318	32,952
Bussey Brook	839	3	106	19	3,345	443	6,147
Goldsmith Brook	746	6	524	10	1,676	161	3,332
Lower Stony	2,165	4	1723	114	0	1,701	0
Stony Brook total	8,670	66	18532	591	103,769	15,273	193,988
Village Brook Boston	787	0	0	0	0	0	0
Village Brook Brookline	2,061	2	217	4	943	0	2,037
Other Muddy River	1,785	7	712	13	0	669	0
Muddy River total	4,633	9	929	17	835	659	1,288
Faneuil Brook	1,316	21	1739	51	12,378	1,765	22,730
Shepard Brook	415	2	657	16	3,755	462	7,092
Smelt Brook	846	8	904	25	5,911	737	11,097
Allston-Brighton	796	2	185	4	928	108	1,752
Millers River	208	1	27	1	316	32	607
Other Lower Charles total	3,581	34	3512	98	23,287	3,104	43,279
Lower Charles Basin total	19,050	124	24020	734	132,742	19,707	247,578
Mother Brook	441	2	1145	25	5,966	799	11,123
Hyde Park	1,766	17	5524	112	26,950	3,526	50,414
Oakland Brook	519	6	413	11	2,676	376	4,936
Mattapan Brook	304	7	1441	42	10,025	1,360	18,623
Lower Neponset	843	4	416	13	2,991	352	5,691
Tenean Creek	873	8	4856	109	25,112	3,238	47,097
Davenport Creek	712	3	277	9	2,021	246	3,825
Neponset River total	5,458	47	14072	321	75,740	9,896	141,709
Charlestown	556	4	486	10	2,482	389	4,484
East Boston	438	27	1840	42	10,047	1,291	18,857
Downtown	473	2	1168	32	7,548	1,007	14,071
Dorchester	1,124	2	508	14	3,193	421	5,944
Notes:	1. Based on 2007-2009 precipitation using BWSC precipitation gage network						

Notes:

Table 7-3. Annual¹ Load Reduction Based on Illicit Discharge Removal in 2014

Table 7-3. Allindar Load Net				Total	Entero- Fecal			
Reporting Area Name	Drainage		Flow Removed	Phosphorus	E Coli	coccus	Coliform	
	Area	Illicits		Removed	Removed	Removed	Removed	
	Acres	Removed	gpd	lb/yr		10 ⁹ CFU/yr		
West Roxbury	889	3		1	322	55	564	
Sawmill Brook	1,277	4	223	8	1,347	184	2,503	
Mid-Charles total	2,166	7	276	9	1,669	239	3,067	
Upper Stony	1,832	7	299	8	1,753	243	3,237	
Canterbury Brook	1,889	10	1259	32	6,962	922	12,987	
Roslindale Branch	1,199	3	115	8	2,409	293	4,682	
Bussey Brook ²	839	1	366	9	1,236	203	2,014	
Goldsmith Brook	746	2	126	4	685	133	1,155	
Lower Stony	2,165	0	0	0	0	0	0	
Stony Brook total	8,670	23	2165	56	9,888	1,159	18,558	
·								
Village Brook Boston	787	0	0	0	0	0	0	
Village Brook Brookline	2,061	1	602	13	3,031	329	5,815	
Other Muddy River	1,785	1	265	9	1,667	118	3,333	
Muddy River total	4,633	2	867	22	2,212	447	4,478	
Faneuil Brook	1,316	17	1938	47	10,921	1,208	20,996	
Shepard Brook	415	2	525	14	3,265	430	6,084	
Smelt Brook	846	3	221	3	696	93	1,297	
Allston-Brighton	796	0	0	0	0	0	0	
Millers River	208	0	0	0	0	0	0	
Other Lower Charles total	3,581	22	2684	63	14,882	1,731	28,377	
Lower Charles Basin total	19,050	54	5992	150	28,651	3,576	54,480	
Mother Brook	441	5		10	2,361	311	4,364	
Hyde Park ²	1,766	5			2,410	307	4,527	
Oakland Brook	519	3		7	1,666	238	3,061	
Mattapan Brook	304	4		11	2,477	284	4,737	
Lower Neponset	843	2			1,012	133	1,891	
Tenean Creek	873	8			4,274	526	8,084	
Davenport Creek	712	0	0		0	0	0	
Neponset River total	5,458	27	2530	52	12,063	1,519	22,672	
		-	-	_	-			
Charlestown	556	0	0	0	0	0	0	
East Boston ²	438	10	465	11	2,560	316	4,840	
Downtown ²	473	2	32630	709	171,904	22,550	321,357	
Dorchester	1,124	2	190	4	1,024	170	1,821	
Notes:	1. Based on 2007-2009 precipitation using BWSC precipitation gage network							

Notes:

^{1.} Based on 2007-2009 precipitation using BWSC precipitation gage network

Table 7-4. Annual Load Reduction Based on Illicit Discharge Removal in 2015

Reporting Area Name	Drainage Area	Number Illicits Removed	Flow Removed	Total Phosphorus	E Coli	Entero- coccus	Fecal Coliform	
	Acres		gpd	lb/yr	10 ⁹ CFU/y			
West Roxbury	889	1	56	3	625	87	1,133	
Sawmill Brook	1,277	8	409	20	3,047	417	5,691	
Mid-Charles total	2,166	9	465	22	3,672	504	6,824	
Upper Stony	1,832	4	156	10	2,171	297	4,028	
Canterbury Brook	1,889	5	402	43	9,193	1,224	17,163	
Roslindale Branch	1,199	6	258	19	5,084	742	9,472	
Bussey Brook ²	839	12	1326	35	4,317	640	7,033	
Goldsmith Brook	746	1	12	4	625	62	1,214	
Lower Stony ³	2,165	0	0	96	15,379	1,943	28,051	
Stony Brook total	8,670	28	2154	207	36,769	4,908	66,961	
Village Brook Boston	787	0	0	0	0	0	0	
Village Brook Brookline	2,061	1	188	17	3,925	417	7,604	
Other Muddy River	1,785	3	1472	18	134	446	334	
Muddy River total	4,633	4	1660	35	4,059	863	7,938	
Faneuil Brook ²	1,316	9	1760	84	19,929	2,388	37,832	
Shepard Brook	415	0	0	0	0	0	0	
Smelt Brook	846	1	43	4	985	127	1,846	
Allston-Brighton	796	0	0	0	0	0	0	
Millers River	208	0	0	0	0	0	0	
Other Lower Charles tota	3,581	10	1803	89	20,914	2,516	39,678	
Lower Charles Basin tota	19,050	51	6082	353	65,414	8,790	121,400	
Mother Brook	441	0	0	0	0	0	0	
Hyde Park	1,766	0	0	0	0	0	0	
Oakland Brook	519	3	517	21	4,894	660	9,101	
Mattapan Brook	304	2	36	13	2,650	329	4,986	
Lower Neponset ²	843	1	192	8	2,017	265	3,769	
Tenean Creek	873	1	202	24	5,535	662	10,516	
Davenport Creek	712	19	1536	88	20,580	2,678	38,491	
Neponset River total	5,458	26	2483	154	35,677	4,595	66,863	
Charlestown	556	0	0	0	0	0	0	
East Boston ²	438	2	4328	100	22,740	2,999	42,487	
Downtown	473	2	631	83	3,552	490	6,574	
Dorchester	1,124	0	0	0	0	0	0	
TOTAL	27,099	81	13,524	691	127,383	16,874	237,324	

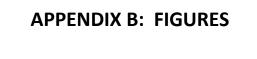
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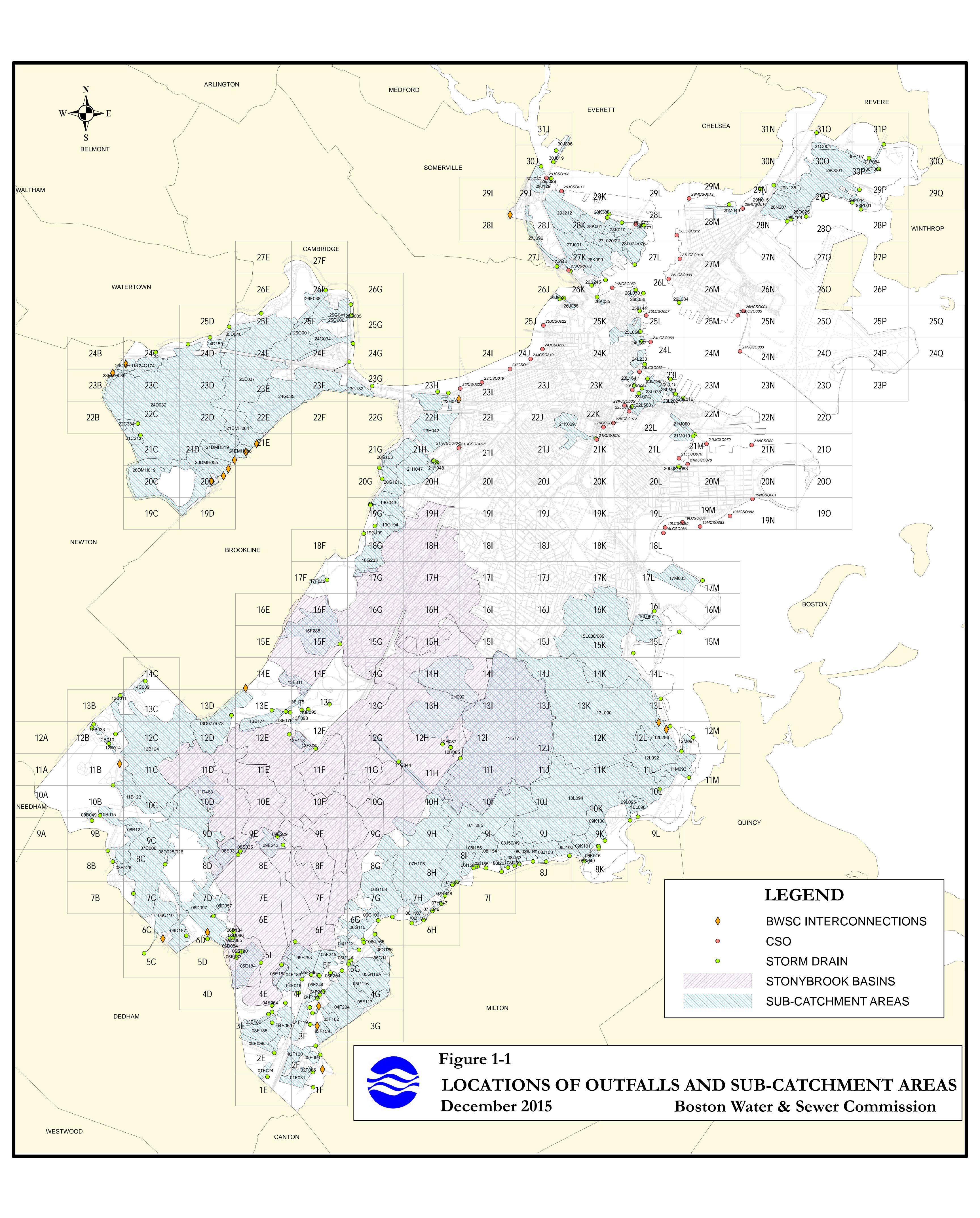
^{1.} Based on 2007-2009 precipitation using BWSC precipitation gage network

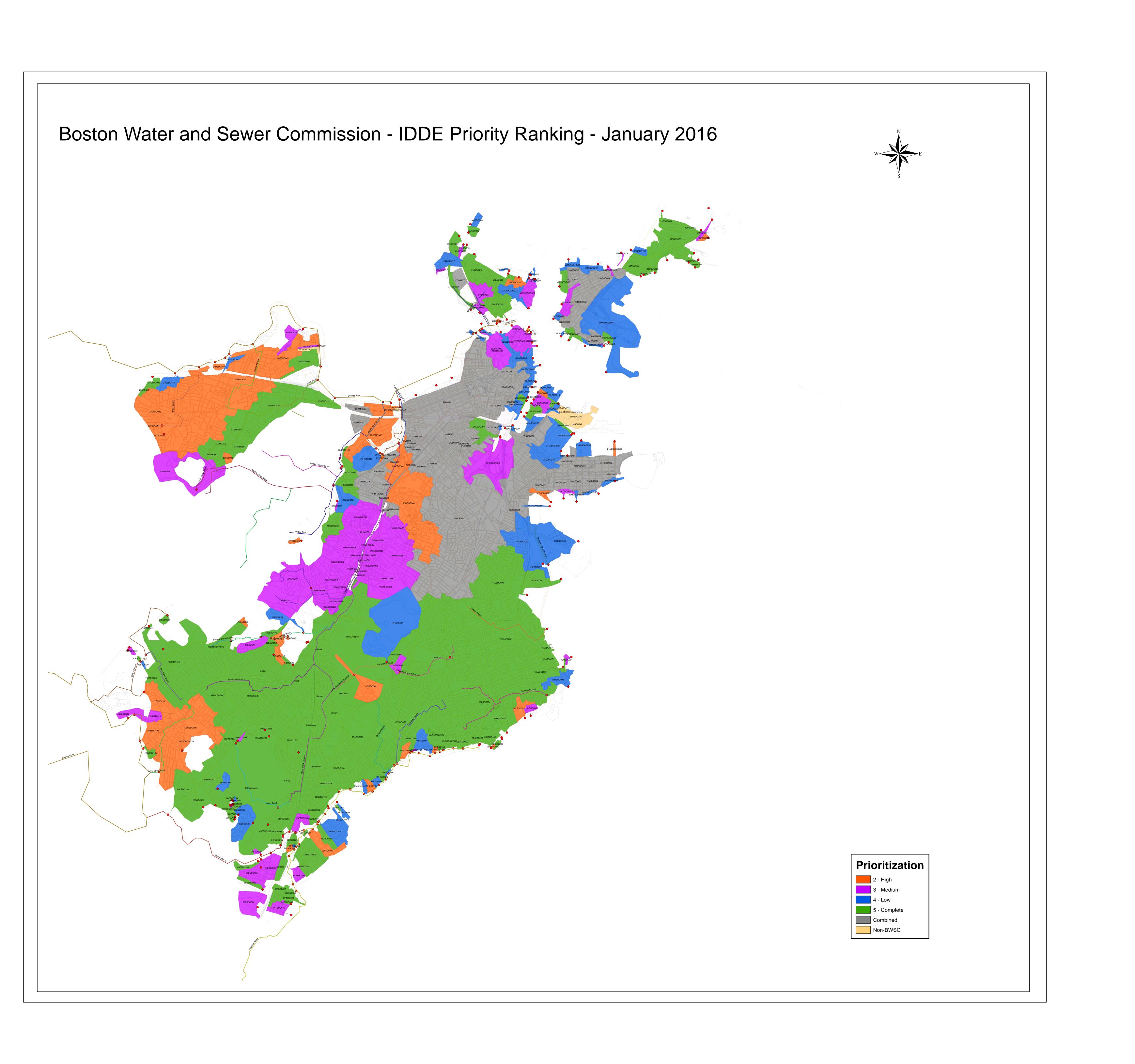
^{2.} Includes additional flow not in model as summarized in Table 2. there is a flow split. A portion of this flow goes to the 231023 outfall in

Table 7-5 Mean Annual Loads as of the End of 2015

	Drainage Area	Mean Flow	Total Phosphorus	E Coli Enterococcus		Fecal Coliform	
Reporting Area Name			-		9		
	Acres	cfs	lb/yr	100.00=	10 ⁹ CFU/yr		
West Roxbury	889	2	296	109,907	72,242	90,341	
Sawmill Brook	1,277	6	642	160,113	110,475	129,661	
Mid-Charles total	2,166	8	938	270,020	182,718	220,002	
Upper Stony	1,832	5	545	174,681	115,360	125,487	
Canterbury Brook	1,832	7	2,413	481,092	275,261	602,693	
Roslindale Branch	1,199	2	730	277,241	136,842	259,533	
Bussey Brook	839	1	96	11,900	12,645	11,366	
Goldsmith Brook	746	1	276	104,441	67,485	76,489	
Lower Stony	2,165	6	1,593	375,948	174,293	407,947	
Stony Brook total	8,670	22	5,653	1,425,304	781,887	1,483,515	
otony brook total	5,57.5		3,000		702,007	2, 100,020	
Village Brook Boston	787	3	450	95,024	63,473	139,033	
Village Brook Brookline	2,061	6	1,018	363,411	178,748	300,185	
Other Muddy River	1,785	8	2,561	342,607	210,377	363,619	
Muddy River total	4,633	16	4,029	801,042	452,598	802,837	
	.,,,,,,		1,020	002,012	102,000	002,001	
Faneuil Brook	1,316	3	811	289,034	163,650	205,207	
Shepard Brook	415	1	562	192,295	130,024	139,686	
Smelt Brook	846	2	802	324,018	210,591	192,239	
Allston-Brighton	796	2	495	124,511	94,522	163,697	
Millers River	208	2	382	119,347	88,309	94,199	
Other Lower Charles tota	3,581	9	3,052	1,049,205	687,095	795,029	
Lower Charles Basin tota	19,050	56	13,671	3,545,572	2,104,297	3,301,382	
Mother Brook	441	1	204	64,389	38,585	72,531	
Hyde Park	1,766	4	908	351,221	208,311	234,362	
Oakland Brook	519	2	368	139,536	70,244	131,573	
Mattapan Brook	304	1	220	74,647	42,087	62,418	
Lower Neponset	843	2	582	204,194	118,221	181,495	
Tenean Creek	873	2	2,227	644,313	224,318	829,770	
Davenport Creek	712	1	447	193,268	113,108	128,628	
Neponset River total	5,458	13	4,956	1,671,569	814,874	1,640,778	
Charlestown	556	2	1,763	698,236	464,680	455,179	
East Boston	438	2	1,036	413,341	249,314	278,362	
Downtown	473	2	663	209,327	191,684	135,718	
Dorchester	1,124	4	2,285	685,193	399,550	676,856	
TOTAL	27,099	78	24,373	7,223,238	·		
Notes:	_		precipitation us				







How to Properly Dispose of Pesticides and Herbicides

Pesticides and herbicides cannot be disposed of with household trash. These products are considered household hazardous waste (HHW) and should be disposed of with other HHW at City of Boston Household Hazardous Waste Drop-Off Days, which occur four times a year.

For more information on Household Hazardous Waste Drop-Off Days, go to **www.cityofboston.gov/recycle** or call **617-635-4500.**







Keep Wipes Out of Pipes

Disposable wipes, even those labeled 'flushable' should be disposed of in the trash, not flushed down the toilet.

- Bathroom wipes
- **Baby wipes**
- Disinfecting wipes
- Towelettes





Most wipes do not degrade and can clog pipes and cause sewer backups.



Never Flush "Flushables" Only toilet paper is flushable.





Wipes Belong in the Trash

Many wipes claim to be "flushable" and "sewer safe." However, these wipes do not break down as they travel through pipes and into the sewer system.

- Flushing wipes can:Create clogs in household plumbing
- Block the public sewer system Cause sewer backups.

Do your part. **Keep wipes out of the pipes!**

STORMWATER POLLUTION PREVENTION

What Is Stormwater Pollution?

Discarded items, including trash and pet waste, and hazardous materials, such as pesticides, fertilizers, automotive fluids, motor oil, and paint on the ground are picked up by stormwater and can flow into the storm drain system. These pollutants can be harmful to water quality and the environment.



What Can We Do?

- Scoop the Poop: Pick up after dogs and throw the waste into a trash can.
- Use Trash Cans: Place everyday items into a trash can or appropriate receptacle.



- Keep a plastic bag in your car to collect trash. Pick up items discarded on the ground.
- Clear Catch Basins: Remove leaves and trash from the tops of catch basins to help ensure stormwater flow.
- Reduce Chemical Use: Use less pesticides and fertilizers on lawns and gardens.
- Don't dump household hazardous waste products, such as motor oil, paint and other chemicals into catch basins.
- Report clogged catch basins and illegal dumping immediately to BWSC at (617)-989-7000.



Where Does the Water Go?

We Are All Connected

In Boston, we are all connected through our water. People, who live, work in, or visit the city all enjoy our harbor, rivers, brooks, and ponds – our waterways – and keeping them pollution-free is a priority. When it rains or snows, the water that flows down our streets and sidewalks, called stormwater, picks up materials along the way.



Stormwater flows through our neighborhoods, into catch basins, then into streams, rivers, and eventually into Boston Harbor. Catch basins are the grates on our streets, which collect the stormwater runoff and anything unintentionally placed or purposefully dumped on the street. Catch basins connect to the storm drain system, which moves the water and everything in the water, into the Charles, Neponset, and Mystic Rivers and into the harbor. The storm drain system is not connected to the sewer system, so the stormwater runs directly into waterways and the harbor.



Boston Water and Sewer Is Coming to Your Neighborhood

Boston Water and Sewer Commission (BWSC) will have a representative from the Community Services Department at the following neighborhood locations to offer assistance on the dates listed. BWSC staff will be available to:

- Accept payments. (Check or money order only—no cash, please.)
- Resolve billing or service complaints.
- Review water consumption data for your property.
- Process elderly or disabled persons discount forms.
- Explain BWSC customer programs.

• Arrange payment plans for delinquent accounts.

For more information, please call our Community Services Department at 617-989-7000.

Neighborhood Site Locations, January-June, 2016				Jan	Feb	Mar	Apr	May	Jun
Brighton	Allston/Brighton APAC, 143 Harvard Avenue	Thursdays	10ам—12рм	28	17	24	21	26	16
Charlestown	Golden Age Center, 382 Main Street	Tuesdays	11ам—1рм	26	23	29	26	31	28
Chinatown	CCBA, 90 Tyler Street	Thursdays	11ам—1рм	14	11	10	14	12	9
Dorchester	Uphams Corner Municipal Building, 500 Columbia Road	Fridays	10ам—12рм	15	19	18	22	13	10



Only toilet paper is flushable.



Like us on Facebook







Neighborhood Site Locations, January-June, 2016 (Continued)			Jan	Feb	Mar	Apr	May	Jun		
East Boston	East Boston APAC, 21 Meridian Street	Wednesdays	10ам—1рм	6 13	3 10	2 9	6 13	4 11	1 8	
Fields Corner	Kit Clark Senior Center, 1500 Dorchester Avenue	Mondays	10ам—12рм	25	22	14	25	23	20	
Hyde Park	Hyde Park Municipal Building, 1179 River Street	Tuesdays	10ам—1рм	5 19	2 16	8 22	5 19	3 17	7 21	
Jamaica Plain	Curtis Hall Community Center, 20 South Street	Mondays	10ам—12рм	11	8	7	4	9	6	
Mattapan	Mattapan Public Library, 1350 Blue Hill Avenue	Fridays	10ам—12рм	8	5	4	8	6	3	
North End	North End Public Library, 25 Parmenter Street	Thursdays	10ам—12рм	7	4	3	7	5	2	
Roslindale	Greater Roslindale Medical & Dental Center, 4199 Washington Street	Tuesdays	10ам—1рм	12	9	15	12	10	14	
South Boston	South Boston APAC, 424 West Broadway	Wednesdays	10ам—12рм	20	24	23	20	25	29	
West Roxbury	Roche Community Center, 1716 Centre Street	Fridays	10ам—1рм	29	26	25	29	27	17	
South End & Roxbury	BWSC Headquarters, 980 Harrison Avenue	Mon.—Fri. Wednesdays	8ам—5рм 8ам—7рм	Residents of the South End & Roxbury are invited to use the BWSC Headquarters as their neighborhood site location.						





617-989-7000 • www.bwsc.org









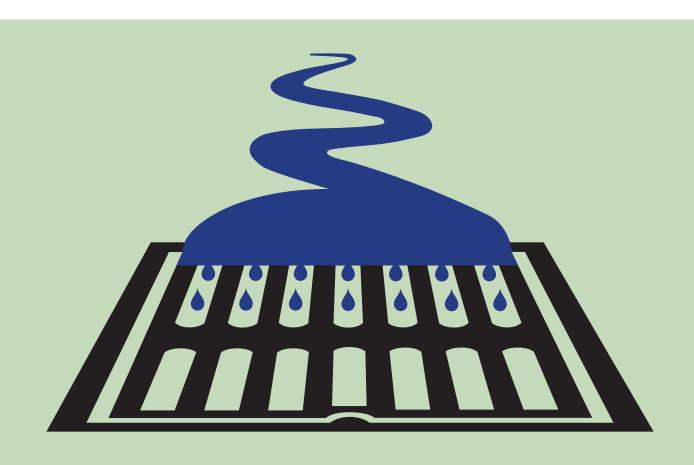


SCOOP THE POOP

Walking your dog? Take a plastic bag along to pick up pet waste.







DON'T DUMP

Storm drains flow directly to Boston Harbor and our rivers.











COOL IT! CAN IT! TRASH IT!

Pour grease into a covered disposable container and put it into the trash.









SCOOP THE POOP

Walking your dog? Take a plastic bag along to pick up pet waste.



DON'T DUMP

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COOL IT! CAN IT! TRASH IT!

Pour grease into a covered disposable container and put it into the trash.



Stormwater Pollution Prevention











We are All Couns

Wastewater

Tan Water

Charles would be

What Can We Do

Stormwater Pollution Prevention

In Boston, we are all connected through our water. People, who live, work in, or visit the city all enjoy our harbor, rivers, brooks, and ponds – our waterways – and keeping them pollution-free is a priority. When it rains or snows, the water that flows down our streets and sidewalks, called **stormwater**, picks up materials along the way.

Stormwater Tlows through our neighborhoods, into catch basins, then into streams, rivers, and eventually into Boston Harbor. Catch basins are the grates on our streets, which collect the stormwater runoff and anything unintentionally placed or purposefully dumped on the street. Catch basins connect to the storm drain system, which moves the water and everything in the water, into the Charles, Neponset, and Mystic Rivers and into the harbor. The storm drain system is not connected to the sewer system, so the stormwater runs directly into waterways and the harbor.



What Is Stormwater Pollution?

Discarded items, including trash and pet waste, and hazardous materials, such as pesticides, fertilizers, automotive fluids, motor oil, and paint on the ground are



picked up by stormwater and can flow into the storm drain system. These pollutants can be harmful to water quality and the environment. By properly disposing of these items and keeping them from entering the storm drain system, you can help prevent pollution in Boston's waterways.

What Can We Do?

Boston's storm drain system connects directly to local waterways. You can help prevent pollution!

Follow these links for more information



Residential Property



Commercial Property



Wastewater Pollution Prevention











We Are All Connected

Wastewater

Tap Water

Ottomore and Albert

What Can We Do?

Wastewater Pollution Prevention

When we use water for washing, cooking, cleaning or flushing, it goes down the drain and into underground sewer pipes. From Boston, it goes to a waste water treatment plant on Deer Island where the water is cleaned. Then the clean water is released into the harbor miles away from shore.

But sometimes pipes can get blocked and break inside our homes or in our yards. Blockages because of cooled Fats, Oil and, Grease (FOG), wipes in pipes and other blockages can cause sanitary sewer overflows (SSOs). SSOs are backups in either the public sewer or residential plumbing. Then, there can be discharge, a spill, or release of untreated sewage into the environment or on our property. Untreated sewage is dangerous, because it contains bacteria and other hazardous microorganisms. Touching or walking through contaminated areas can bring germs into clean areas of your home. The health of our children and our pets is especially at risk.



What Can We Do?

Let's make sure we get rid of fats, oils, and grease (FOG) the right way. We should never pour FOG down a drain because it could cause clogs and breaks in pipes. If we throw wipes into the trash and not down the toilet, we can prevent clogs and breaks as well.

Boston's storm drain system connects directly to local waterways. You can help prevent pollution!

Taking steps to protect the pipes that are inside and outside of our homes and businesses is a great first step in preventing pollution caused by sanitary sewer overflows (SSOs).

HISTORY of Boston's Sewer System

PRESENT DAY Boston's Sewer System

Follow these links for more information







Commercial Property

