

Boston Water & Sewer Commission 2024 Stormwater Management Report



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NPDES Phase I Permit Annual Report

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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; 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 2024. 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 occurred before 2024. To the extent they occurred in 2024, they are reported herein.

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. Downloadable copies of the documents 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.

Sewer Use Regulations: 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 Boston Redevelopment Authority; 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, in 2013, the Commission established Memorandums of Agreement (MOAs) with the following: Boston Public Works Department, Boston Parks and Recreation Department, Boston Inspectional Services Department, Boston Redevelopment Authority (now called the Boston Planning and Development Agency), Economic Development and Industrial Corporation, Boston Housing Authority, Brookline, Dedham, Milton and Newton, Massachusetts Department of Transportation and Massachusetts Department of Conservation and Recreation. In 2016, the Commission executed Amendment No. 1 to the MOA with each of the twelve (12) existing inter-agency agreements to extend the term of the agreements through December 31, 2021. In 2022, the Commission executed Amendment No. 2 to the MOA with Brookline and the DCR through December 31, 2026.

The Commission is currently working to also extend the MOAs with the other parties though December 31, 2026.

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 SUBCATCHMENTS

The Commission's storm drain outfalls are listed in Table 1-1 in Appendix A. The subcatchment tributary to CSO outfall 25MCSO005 was separated in 2022, and the regulator was sealed. Outfall 25MCSO005 now conveys only storm drainage, so going forward it will be included on the storm drain outfall list. This brings the total of Commission owned storm drain outfalls up to 210. 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 active combined sewer overflow outfalls. There are currently only 28 active CSO outfalls in the Commission's CSO system. Combined sewer overflow 19MCSO083 was eliminated from the Commission's combined sewer system several years ago, and 25MCSO005 has been moved to the storm drain outfall list.

1.6 MAPPING OF SUBCATCHMENT 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, SUBCATCHMENT 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 to (interconnect with) other MS4 drain systems; establish priorities and schedules for investigating subcatchment areas that demonstrate contamination; implement a subcatchment investigation program based on the priorities and schedules established; and, correct or repair illicit discharges within deadlines established in the Consent Decree. The Commission has been performing illicit discharge investigations and elimination since 1986, prior to entry of the Consent Decree in 2012, and continued to do so in 2024, in accordance with Consent Decree requirements.

2.1 FIELD SCREENING

The Commission's protocols for dry and wet weather screening of subcatchments were updated in 2020. 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 2024:

- 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 2024 were collected by Commission’s consultant, Stacey DePasquale Engineering, under sub-contract to Stantec, Inc.

The purpose of the dry weather subcatchment 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 2024 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 subcatchments included in the 2024 wet weather program were based on the 2023 dry weather screening data.

Field screening during 2024 included inspection and sampling of 267 Commission-owned subcatchments, which included 219 storm drain outfalls (SDOs), 19 storm drain manholes where storm drainage is conveyed to other municipality’s MS4s or non-BWSC outfalls (referred to as “interconnections”), and 29 Combined Sewer Overflow (CSO) outfalls.¹

All the results of the 2024 dry weather screening program are provided in Table 2-1 in Appendix A, and a summary of dry weather screening and sampling performed during 2024 is shown in Table 2-2 below. Dry weather field screening took place at 29 CSO locations² in 2024. Dry weather samples were collected at 19 CSO locations. Ten (10) locations were not sampled because there was no flow to sample, or the outfall had standing water or was submerged, and the upstream manholes also had standing water or were submerged.

Dry weather screening took place at 238 SDO and interconnection locations in 2024. Six (6) SDOs had a second sample collected during screening. Outfall 6DSDO184 was also not screened because it is a cross-culvert only with no connected storm drain infrastructure.

Dry weather samples were collected at 140 of the locations visited. The remaining 98 locations were not sampled because there was no flow or insufficient flow to sample, and the upstream manholes also had standing water or were submerged or the outfall and

¹ There are still 30 CSO outfalls listed in the Commission’s NPDES CSO Permit. However, CSO 19MCSO083 has been eliminated; therefore, it was not screened in 2024.

² The Stony Brook Conduit 21HCSO046 was screened in three locations in 2024. All three locations were ranked in the 2024 prioritization.

upstream features could not be located. Results from all screening events are provided in Table 2-1; however, each outfall was only counted once in the numbers presented in the following tables for consistency with prior reports.

TABLE 2-2
2024 Dry Weather Screening Samples Collected versus Not Collected

Results of Dry Weather Sampling CSOs		2024
Total CSO Screenings Performed		29
Samples Collected		19
Samples Not Collected		10
	No flow, dry	5
	No flow, standing water/submerged	5
	Could not access outfall/no suitable sampling location	0
Results of Dry Weather Sampling SDO/Interconnections		2024
Total SDOs/Interconnect Screenings Performed		238
Samples Collected		140
Samples Not Collected		98
	No flow, dry	70
	No flow, standing water/submerged	27
	Could not access outfall/no suitable sampling location	1

All the results of the 2024 wet weather screening program are provided in Table 2-3 in Appendix A, and a summary of the wet weather screening and sampling performed is shown in Table 2-4 below.

Wet weather field screening took place at nine (9) CSO locations in 2024. Wet weather samples were collected at eight (8) of the CSO locations. The remaining one (1) location was not sampled because the outfall had standing water or was submerged.

Wet weather screening took place at 102 SDO and interconnection locations in 2024. Wet weather samples were collected at 78 of the locations visited. Samples could not be collected at 24 locations because there was no flow or insufficient flow to sample, or the outfall had standing water or was submerged, and upstream manholes also had standing water or were submerged.

TABLE 2-4
2024 Wet Weather Screening Samples Collected versus Not Collected

Results of Wet Weather Sampling CSOs		2024
Total CSO Screenings Performed		9
Samples Collected		8
Samples Not Collected		1
	No flow, dry	0

No flow, standing water/submerged	1
Could not access outfall/no suitable sampling location	0
<hr/>	
Results of Wet Weather Sampling SDO/Interconnections	2024
<hr/>	
Total SDOs/Interconnect Screenings Performed	102
Samples Collected	78
Samples Not Collected	24
No flow, dry/insufficient flow	3
No flow, standing water/submerged	18
Could not access outfall/no suitable sampling location	3
<hr/>	

2.2 SUBCATCHMENT AREA PRIORITIZATION

On November 21, 2012, the Commission submitted to EPA, DEP and CLF the first required subcatchment Prioritization and Schedule for Completion of Investigations report (Priority Report). Revised Priority Reports have been submitted each January since then.

The Priority Reports described the protocols used for collecting the screening data; the methodology for prioritizing subcatchment areas for investigation; the priority ranking of the subcatchments which resulted; and a schedule for completing subcatchment area investigations.

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 2025 are shown in Table 2-5 and a map illustrating the 2025 rankings of the subcatchments is provided as Figure 2-1.

As of August 23, 2019, illicit discharge investigations in all the Commission’s subcatchments were complete. The prioritization methodology was updated for the 2021 priority ranking and continued in the 2022, 2023, 2024, and 2025 priority ranking as the Commission moves toward a long-term IDDE maintenance program.

As required by the Consent Decree, 12 subcatchments discharging to beach areas were given first priority. Interconnections with other MS4s were ranked next, and then all

remaining subcatchments followed. Subcatchments in each of these groupings were scored against four criteria as follows:

- **Discharge location:** Discharge to a beach or interconnection discharging to another MS4.
- **Dry weather screening:** Based on 2024 dry weather screening data. Considers flow conditions at sampling location, bacteria type and bacteria result. Score is given based on where the bacteria result falls in the criteria table.
- **Wet weather screening:** If a wet weather sample is taken, it is currently weighted 20%, and the dry weather is weighted 60%. If no wet weather sample is taken, the dry weather is weighted 80%. A lack of a wet weather screening means that the threshold was already exceeded in the dry weather sample from the previous year. Outfalls contaminated in dry weather are given the highest priority.
- **Most recent inspection date:** A score is assigned by comparing the most recent date of inspection (dye test or pipe inspection) to the criteria table. Areas that haven't had inspections since 2004, including the upper Stony Brook, receive a higher score.

Scores were assigned to each outfall in each of the four categories from zero to ten as indicated in Tables 2-6 through 2-9 below.

TABLE 2-6. Priority Ranking Criteria – Discharge Location

CRITERIA		SCORE
Discharge Location	Public Beach	10
	Interconnections	10
	Not a Public Beach or Interconnection	0

TABLE 2-7. Priority Ranking Criteria – Dry Weather Outfall Screening

CRITERIA			SCORE
Dry Weather Outfall Screening Flow Conditions and Bacteria Sampling Results	E.coli	Enterococci	
	≥80,000	≥80,000	10
	50,000 - 79,999	40,000 - 79,999	9
	40,000 - 49,999	30,000 - 39,999	8
	30,000 - 39,999	20,000 - 29,999	7
	20,000 - 29,999	10,000 - 19,999	6
	10,000 - 19,999	5,000 - 9,999	5
	5,000 - 9,999	1,000 - 4,999	4
	1,000 - 4,999	500 - 999	3
	235 - 999	104 - 499	2
	Standing Water/Submerged		1

TABLE 2-7. Priority Ranking Criteria – Dry Weather Outfall Screening

CRITERIA			SCORE
	No Access/CNL		1
	<235	<104	0
	Dry		0

TABLE 2-8. Priority Ranking Criteria – Wet Weather Outfall Screening

CRITERIA			SCORE
Wet Weather Outfall Screening Flow Conditions and Bacteria Sampling Results	E.coli	Enterococci	
	≥80,000	≥80,000	10
	50,000 - 79,999	40,000 - 79,999	9
	40,000 - 49,999	30,000 - 39,999	8
	30,000 - 39,999	20,000 - 29,999	7
	20,000 - 29,999	10,000 - 19,999	6
	10,000 - 19,999	5,000 - 9,999	5
	5,000 - 9,999	1,000 - 4,999	4
	1,000 - 4,999	500 – 999	3
	235 – 999	104 – 499	2
	Standing Water/Submerged		1
	No Access/CNL		1
	<235	<104	0
	Dry		NA
	Not Required/Incomplete		NA

TABLE 2-9. Priority Ranking Criteria – Date of Last Inspection

CRITERIA		SCORE
Date of Last Manhole or Building Inspection	Prior to November 2004 (SBI)	10
	Nov 2004 - Dec 2012 (CWI1/2)	5
	Jan 2013 - present (CWI3/4/5)	0

Each of the four criteria were weighted in accordance with Table 2-10 to arrive at an overall score for each outfall. The weighting is such that the 2024 outfall screening results as a whole account for 80% of the score, regardless of whether wet weather screening was required. **For locations that had a field duplicate bacteria sample collected or were sampled more than once, the higher bacteria result was used for prioritization purposes.**

TABLE 2-10. Criteria Weighting

CRITERIA	Weight with 2020 wet weather screening data	Weight without 2020 wet weather screening data
Discharge Location	10%	10%
Dry Weather Outfall Screening	60%	80%
Wet Weather Outfall Screening	20%	0%
Date of Last Inspection	10%	10%

The 2025 Priority Ranking includes a scoring, ranking and color-coding scheme as follows:

TABLE 2-11. Scoring, Ranking and Color-Coding Scheme

RANKING	RANKING SCORE	NUMBER OF SUBCATCHMENTS BY RANK	MAP COLOR CODE
1	Beach	12	Orange
2	Interconnection	16	Yellow
3	High ≥ 2	38	Green
4	Medium < 2 and ≥ 1	64	Blue
5	Low < 1	125	Purple
6	CSO or Unranked	NA	Gray

Although investigations in all of the Commission’s subcatchments were completed in 2019, the 2024 outfall screening results show discharges from some subcatchments still demonstrate levels of contamination above the thresholds established in the Consent Decree.

In August 2020, the Commission contracted with Stantec, Inc. to perform the next phase of its Illicit Connection Investigation Program (Phase 5). The primary purpose of Phase 5 is to perform follow-up investigations in subcatchments still demonstrating elevated levels of contamination, and to explore alternative methods for identifying sources of sewage contamination in the Commission’s storm drain system. The CWI5 contract includes annual wet and dry weather field screening of the Commission’s outfalls and interconnections, field investigations to identify illicit connections, and annual compilation of field screening data to produce Revised Priority Rankings of subcatchments to provide to EPA by January 31, each year. The duration of the Phase 5 contract has been extended until June 30, 2025.

During Phase 5 the Commission is focusing its efforts on investigating subcatchments that discharge to beach outfalls and interconnections, and those that had a ranking equal to, or greater than 2, as shown in Table 2-5. During 2024, follow-up investigations focused heavily on Upper and Middle Stony Brook catchments, 3ESDO185, 4ESDO69, 7HSDO105, 7HSDO285, 12BSDO124, 13LSDO090, 19GSDO043, and Brookline interconnections including 21DMH319 and 21EMH064. In addition to the Commission's standard manhole sampling procedures, bacteria samples were collected at strategic locations to further prioritize sub-areas within some of the large subcatchments and to pinpoint remaining sources of contamination. During 2025, the Commission will continue to focus its investigative efforts on those subcatchments with the highest priority rankings.

2.3 STATUS OF SUBCATCHMENT INVESTIGATIONS

IDDE investigations in all of the Commission's subcatchments were complete as of August 23, 2019. It is noted however, that recent field screening results indicate contamination is still present in some subcatchments. Follow-up IDDE investigations in those subcatchments are ongoing.

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 was submitted to EPA, DEP and CLF on December 18, 2012. The IDDE Plan detailed and updated the Commission's approach, including modifications 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.

Most illicit discharge investigations are performed by Commission consultants. The contracts for investigations performed by consultants are described further below.

2.5 ILLICIT DISCHARGE INVESTIGATION CONTRACTS

Since 1999, the Commission has executed five 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, at a cost of \$1,536,000. The Citywide Illegal Connection Investigation Program, Phase 2 (CWI2) was carried out between 2009 and 2012, at a cost of \$1,660,000. The Citywide Illegal Connection Investigation Program, Phase 3 (CWI3) was carried out between 2012 and 2016, at a cost of \$3,147,817. The Citywide Illegal Connection Investigation Program, Phase 4 (CWI4) was carried out between 2016, at a cost of \$2,105,414. The contract for the Citywide Illegal Connection Investigation Program, Phase 5 (CWI5) was executed on

August 17, 2020, for a contract price of \$2,345,000. The contract duration for CWI5 was originally five years, but it has since been extended until June 30, 2025. As of December 31, 2024, \$1,755,844 had been spent for services under the CWI5 contract.

Since 1999, the Commission has spent over \$11,500,000 just to locate illicit connections. These costs do not include costs to correct the illicit discharges found, nor do they include other costs borne by the Commission for activities such as testing sewer laterals to determine whether they leak; CCTV of sewers and drains to identify defects or cross-contamination; police details; pipe and manhole cleaning; contract management by staff; 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 confirm 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 2023, 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 amended program, owners of verified leaking sewer laterals may be reimbursed up to \$8,000 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 in order to be eligible for reimbursement. To obtain reimbursement the lateral must be confirmed 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 post correction 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, Conservation Law Foundation and the United States of America v. Boston Water and Sewer

Commission, et al., 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 relined 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 2024 ILLICIT DISCHARGE REMEDIATION SUMMARY

This section summarizes the Commission’s 2024 Illicit Discharge Identification and Elimination Program. Table 2-12 lists the direct illicit connections that were outstanding (not corrected) as of January 1, 2024; it includes those that were verified and corrected in 2024, and it includes those that were verified but not corrected at the end of 2024.

Table 2-13 lists the indirect illicit connections (verified leaking laterals) that were outstanding (not corrected) as of January 1, 2024; it includes those that were verified and corrected in 2024; and it includes those that were verified but not corrected at the end of 2024.

Below is a summary of 2024 Illicit Discharge Remediation Program.

2024 Illicit Discharge Remediation Program Summary

Direct Illicit Connections Verified in 2024	8
Direct Illicit Connections Corrected in 2024	7
Direct Illicit Connections Outstanding December 31, 2024	4
Leaking Laterals Verified in 2024	4
Leaking Laterals Repaired in 2024	5
Leaking Laterals Outstanding as of December 31, 2024	7

In 2024, a total of 8 new direct illicit connections were verified, and 7 direct illicit connections were corrected.

In 2024, a total of 4 new leaking laterals were verified; 5 leaking laterals were repaired by the property owners.

In total, 12 new direct connections or leaking laterals were verified in 2024, and 12 direct illicit connections or leaking laterals were corrected/repaired. As of the end of 2024, 11 illicit discharges remained to be corrected/ repaired.

Calculations of cost to remove illicit discharges

Tables 2-12 and 2-13 also provide the costs to the Commission to correct or repair illicit discharges in 2024. The cost to the Commission to correct 7 direct illicit connections was \$52,754. The cost to the Commission to verify 5 leaking sewer laterals was \$10,397. The cost to the Commission to reimburse owners for repairing 4 leaking laterals was \$32,000.

In total, \$95,151 was expended by the Commission to verify and correct or repair illicit discharges in 2024. These costs do not include: the cost of permits, inspection fees, pavement restoration or police details; costs incurred by the Commission to clean and televise sewer mains adjacent to suspected leaking laterals before they were tested; costs covered by property owners who were responsible for making corrections to direct internal connections on their own property; and costs to owners to repair leaking laterals over and above what was reimbursed by the Commission.

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 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 2024, an estimated 1,945 gallons per day (gpd) of wastewater was removed from the storm drainage system and receiving waters by correcting direct illicit connections, and an estimated 385 gpd of wastewater was removed from the storm drainage system and receiving waters by repairing leaking sewer laterals. In total, an estimated 2,330 gpd of wastewater was removed from the storm drainage system and receiving water by correcting or repairing illicit discharges in 2024.

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.

Pursuant to the Consent Decree the Commission performed a Capacity Management, Operations, and Maintenance Program (CMOM) Assessment or "Self-Assessment" and submitted a Self-Assessment Report and Corrective Action Plan to EPA in July 2013. The purpose of the Self-Assessment was to assess the overall performance of the Commission's collections system and determine whether improvements were necessary to maintain the collection system and prevent future sewer system overflows. It included, but was not limited to, the evaluation of operations, maintenance, emergency response, collection system performance, communications, financial and capital planning. The Corrective Action Plan described the findings of the Self-Assessment and identified specific short and long-term actions to be taken by the Commission to remedy deficiencies identified by the Self-Assessment.

In 2014, the Commission completed a CMOM Program Document (Program Document). The Program Document summarized the Commission's existing and planned preventative, corrective and capital planning practices for supporting its CMOM Program going forward and consolidated all of the Commission's collection system preventative maintenance and capital improvement plans into a single document.

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 2024, the Commission owned five (5) large and one (1) small “vactor” cleaning trucks to clean accumulated materials from sewers and drains; five (5) jet trucks; one (1) multi-rodder truck; and one (1) CCTV truck. In 2024, the Commission jetted, vactored or rodded 323,417 linear feet (61.25 miles) of pipe. To determine where structural deficiencies exist and where repairs are needed, Commission crews and contract forces performed television inspections of 459,278 linear feet (87 miles) of sewer and drain pipe in 2024.

In conjunction with the storm drain and catch basin cleaning programs, the Commission routinely clears debris from 11 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 for cleaning catch basins.

Commission catch basin cleaning forces have been augmented by contract resources and equipment since 2001. In 2024, the Commission and contract resources performed 21,566 inspections/cleanings of catch basins. 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 2024, the Commission removed approximately 2,638.94 tons of debris from catch basins, as recorded at the Commission’s Material Handling Facility.

c. Commission Particle Separators

The Commission currently owns 20 particle separators. Information regarding the various particle separators, including their locations, and receiving waters are summarized in Table 3-2. Because yearly cleaning is labor and equipment intensive and only low volumes of material were removed on an annual basis in the past, Operations is investigating what capture results would be on a 2-year cleaning cycle. Between 2023 and 2024 a total of 7.38 cubic yards of debris was removed from BWSC owned particle separators.

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 2024-2026 CIP included \$178.8 million for sewer, drain and stormwater related projects, of which \$64.8 million was earmarked for 2024. The 2025-2027 CIP included \$204 million for sewer, drain, and stormwater related projects, of which \$67 million was earmarked for 2025. A copy of the 2024-2026 and 2025-2027 Capital Improvement Program is available from the Commission's website.

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 program's 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 regarding the SSOERP.

Once it has been confirmed that there has been an SSO event by field personnel, within 24 hours the Commission notifies EPA and DEP. EPA and DEP are notified for any SSOs caused by BWSC sewer lines as well as any caused by privately owned sewer lines and sewer laterals with SSO amounts 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 also submits to EPA and DEP, a DEP SSO notification form. The report includes any updated information as well as planned actions to either further investigate the SSO location or correct the SSO. All SSO locations both BWSC caused and private caused are documented and tracked in the SSO database via the SSO IPAD application.

In 2024, the Commission responded to, investigated, and/or reported to EPA and DEP, a total of 92 SSO events. These included 46 reportable SSO events (28 public SSOs and 18 reportable private/building backups), and 46 non-reportable private/building backup events. Additionally, the Commission reported one (1) dry weather combined sewer overflow event. 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 2024, the Commission responded to 31 reports of a potential spill, leak, or report of illicit dumping. Table 3-3 lists the incidences to which the Commission responded in

2024. No violation/enforcement notices were issued in 2024 relating to illegal dumping or spills.

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 2024, the Commission issued 9 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 Planning and Development Agency 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. In 2024, 562 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.

Drain Layers License: 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. Fifteen (15) new Drain Layers Licenses were issued in 2024, and 285 were renewed.

Inspections of New Connections: 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 2024, the Commission performed 742 GSA related dye tests.

On-site Retention of Stormwater: Under the Commission's Site Plan Requirements and Sewer Use Regulations, for all development or redevelopment projects in the City it is mandatory to retain and infiltrate stormwater on site. A volume of runoff equal to one inch of rainfall multiplied by the total impervious area on site must be infiltrated prior to discharge to a storm drain or a combined sewer system for projects less than 100,000 square feet of floor area. For all projects which are at or above 100,000 square feet of floor area, the project must use a volume of runoff equal to 1.25 inches of rainfall multiplied by the total impervious area on site. On-site infiltration of stormwater serves to limit peak discharge rates, recharge groundwater, and remove total suspended solids in the flow. 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.

GI/LID practices that utilize infiltration are necessary in order to meet the water quality requirements outlined in the Total Maximum Daily Load (TMDL) for the Charles River and the BWSC Consent Decree. Any project with an infiltration system and/or a catch basin addition must also include an Operations and Maintenance (O&M) plan with their site plan material.

In 2024, the Commission approved installations of 301 infiltration devices. Table 3-4 provides the addresses of the devices approved in 2024.

Controls for New Parking Lots: 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 2024, the Commission approved installation of seven (7) particle separators. Table 3–5 provides the addresses of the devices approved in 2024.

Drainage Discharge Permits: 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 2024, the Commission issued 9 Drainage Discharge Permits for discharges to storm drains.

Infiltration/Inflow Control: 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.

Erosion and Sedimentation Control: 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.

Fuel Dispensing Areas: 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.

Catch Basin Castings: Commission contractors are required to install metal castings with a “Don’t Dump” message on sidewalks near new or reconstructed catch basins. City of Boston 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 2024, the Commission issued 662 catch basin castings to contractors and other parties. Of those issued, 507 were for Boston Harbor, 94 for the Charles River and 61 were for the Neponset River.

b. Development/Redevelopment Coordination with Boston Planning and Development Agency

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 Planning and Development Agency (BPDA) regarding reviews of Environmental Impact Reports (EIRs) and Master Plans for large projects in Boston. Comments were submitted to the BPDA and/or the MEPA Unit for 47 projects in 2024. 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 44 projects contained comments about the Commission's requirement for retaining stormwater on site. Letters for 47 projects contained comments regarding the requirement for Stormwater Management Plans. Forty-seven (47) 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 Commission's 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 (MOA) 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 EPA's 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 2024, the Commission performed 67 construction site inspections. One (1) violation notice was issued.

3.7 INDUSTRIAL FACILITY STORMWATER POLLUTION PREVENTION

In compliance with its NPDES Permit and the Consent Decree, the Commission continues to implement the IFSP 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.

A consultant (Stantec), under the direction of the Commission, initially developed and implemented the IFSP program. In 2016, the Commission's Enforcement Department within the Operations Division assumed all duties with respect to inspections, enforcement and tracking of the IFSP program. The Commission also included fees for inspection of industrial dischargers into its 2016 Rate Schedule adopted in December 2015.

Under the program the Commission maintains an inventory of industrial facilities and a database to track relevant information, including enforcement and corrective actions. In February 2013, there were 1,760 potential industrial facilities on the inventory list. During the program the list of industrial facilities has been refined. Businesses that have

moved out of the city, closed, or had the incorrect Standard Industrial Classification codes have been removed from the inventory and new facilities have been added as they were discovered through research of records and site visits. The inventory continues to be refined and updated as inspection reports are evaluated.

The active number of industrial facilities on the inventory list at the end of 2024 was 115. The Commission conducted a total of 74 inspections of industrial facilities in 2024. Summaries of inspections performed, and enforcement action taken are provided in the Commission's semi-annual Consent Decree compliance reports.

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 additional fees for tow, storage and late penalties.

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 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.

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 Boston Public Works Department hosts several “Zero Waste Days” where you can drop off used motor oil, surplus paint, and other accepted materials. The events were promoted through the City of Boston’s web site, local newspapers, and on signs posted in neighborhood business centers.

b. Household Hazardous Waste Collection

To decrease the amount of illegally disposed of household hazardous waste, the City of Boston Public Works Department allows residents to drop off household hazardous waste at their hosted “Zero Waste Day” events. In 2024, these events were held from 8:30 a.m. to 12 p.m. on the following dates: May 18, June 29, August 17 and September 28.

c. Yard Waste/Composting

In 2024, the Boston Public Works Department picked up leaf and yard waste from April to December on scheduled days and hosted drop off events throughout the year. Leaf and yard waste is turned into compost and used throughout the city as soil for community gardens, parks, and schools.

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.

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 AND OUTREACH

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, provides a variety of information concerning the Commission's programs, activities, and requirements for BWSC customers and interested parties. Pertinent examples include 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, BMP Recommendations Report, a description of BWSC's Downspout Disconnection program, Grease Trap Guidelines; as well as, a community outreach and education section including pollution prevention advice for residents, businesses and construction, and pet owners.

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*. Copies are also available from the

Commission's website and at neighborhood site visits. 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 site visits and city sponsored events such as household hazardous waste, and 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.

The Commission also inserts messages about water and sewer management into bills and it posts the inserts on its website.

Issues of *Currents* and billing inserts in 2024 featured the following items:

January/February Currents

- Changes Coming to BWSC in 2024
- Financial Assistance Programs for Qualified Homeowners
- Prevent Frozen Pipes This Winter

March/April Notice to Customers

- Understanding Your New Water Bill
- How to Calculate Your Stormwater Charge
- Credits and Grants
- Investing in Stormwater Infrastructure

May/June Currents

- BWSC @ Work- Construction Season Begins
- South Boston Sewer Separation Project
- Roxbury Sewer Separation Phase 3 Project
- Keep Wipes Out of Pipes
- Leaf and Yard Waste Schedule
- National Drinking Water Week
- Celebrating Older Americans Month

July/August Currents

- Get Your Lead Service Line Replaced for Free
- Protect Yourself! Always Ask for Identification
- Water Conservation Guide
- Water Conservation Kit
- Keep Wipes Out of Pipes

September/October Currents

- Boston Water and Sewer Commission at Work
- Environmentally Friendly Payment Option
- Water Main Flushing Schedule
- Help Keep Catch Basins Clear
- Imagine a Day Without Water

November/December Currents

- Keep FOG Out of Your Drain
- What is FOG?
- Disposing of FOG is easy: Can the Grease!

Sanitary Sewer Overflow Prevention
Prevent Frozen Pipes This Winter

c. Bill Messages

The Commission distributed the following messages with the monthly bills to its customers (target audience is typically owners) to notify them of programs and information that impact the environment in 2024:

January

- After a snowstorm, shovel out fire hydrants to assist fire department in case of emergency.
- Clean snow and debris from the tops of storm drains to prevent flooding.
- Find a catch basin or a fire hydrant in your neighborhood at bwsc.org.
- BWSC found high levels of lead in drinking water in some homes. Lead can cause serious health problems. For more information please call (617) 989-7888 or visit bwsc.org.
- BWSC meters are scheduled to be read daily by an automatic meter reading system

February

- Help prevent frozen water service pipes during the winter months, insulate pipes that may be located in unheated spaces in your basement and any sealed foundation cracks. Visit www.bwsc.org for more information.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

March

- What is Stormwater? Stormwater runoff is water from rain or other precipitation that does not soak into the ground. As stormwater flows over hard (impervious) surfaces, it collects trash, sediment, and pollutants like motor oil and fertilizer. BWSC's stormwater system minimizes pollution from entering waterways. For more information see enclosed Currents Newsletter or www.bwsc.org.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

April

- Disposable wipes, even those labeled "flushable" should be disposed of in the trash, not flushed down the toilet.
- BWSC found high levels of lead in drinking water in some homes. Lead can cause serious health problems. For more information please call (617) 989-7888 or visit www.bwsc.org.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

May

- 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.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

June

- Pet owners, remember to Scoop the Poop. Pick up after your dogs and dispose waste in the trash. Do your part to help keep our waterways and beaches clean. If you observe someone dumping into a storm drain report it immediately call 617-989-7000, 24/7.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

July

- There are over 30,000 catch basins in Boston, substances like automotive fluids carelessly spilled on city street or dumped directly into catch basins can pollute beaches and local waterways. Please don't dump, dispose of these materials properly. Visit www.bwsc.org for more information. Illegal use of fire hydrants can impede the emergency response of firefighters. Do not open fire hydrants. Visit www.bwsc.org for more information.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

August

- Some homes may have elevated lead levels in their drinking water. Lead can pose a significant risk to your health. Please read the enclosed notice and visit www.bwsc.org for further information. Algunas viviendas tienen niveles de plomo muy elevados en su agua potable. El plomo puede ser un riesgo considerable para salud. Les rogamos que lea el aviso para mas información.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

September

- BWSC found high levels of lead in drinking water in some homes. Lead can cause serious health problems. For more information please call (617) 989-7888 or visit bwsc.org.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

October

- Consider signing up for E-Billing with BWSC, it is a convenient, beneficial way to manage your account and pay your bill and save the paper!
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

November

- Avoid disposing of fats, oils, and grease (FOG) into your home's plumbing, this can cause backups in the public sewer system and possibly in your home. Can the Grease! Find out more about FOG prevention at www.bwsc.org.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

December

- BWSC found high levels of lead in drinking water in some homes. Lead can cause serious health problems. For more information please call (617) 989-7888 or visit www.bwsc.org.
- BWSC meters are scheduled to be read daily by an automatic meter reading system.

d. Stormwater Ads

Communications staff joined the Finance Department to attend neighborhood meetings to give presentations and respond to questions about the change in how BWSC charges for stormwater maintenance activities. With this in mind, the first two issues of the Currents Newsletter were dedicated to providing information to the ratepayers about the changes that were forthcoming with their bills beginning April 1, 2024. These articles provided some education about stormwater management along with visuals that highlighted important information about stormwater and the bills. In addition, we used the Important Message section in the bills to notify customers of the stormwater information. As noted in the Appendix B, the team provided ads local weekly newspapers in multiple languages to inform and educate the public broadly of these efforts. BWSC updated its pages on assistance programs and grants, with information available at <https://www.bwsc.org/news-and-events/news/stormwater-assistance-programs>. In addition, BWSC hired a call center to field calls regarding Stormwater. The program has been operational since April 2024. The Communications team shares information about BWSC's Green [18] Stormwater Infrastructure Program, which offers credits and grants that are available for stormwater retention systems installed by property owners.

e. Social Media

Consistent with BWSC's Public Education and Outreach Program, BWSC's social media platforms offer real-time information on activities that directly impact the services of residents and businesses. The platforms also advance BWSC's environmental mission to share images and messages to educate users about the important measures that we can

collectively take to maintain access to safe, high-quality waterways. BWSC's Facebook page gained 15 new followers. BWSC's X account (formerly Twitter) gained 2 new followers during the Reporting Period. BWSC's Instagram account gained 23 followers. [17] In coordination with its social media profiles, BWSC also maintains a YouTube channel to host its PSAs. The following PSAs were viewed during the Reporting Period on YouTube:

Keep FOG out of the pipes. Fats, Oils, and Grease causes sewer backups — 20,211 (views)
Scoop the Poop — 5,904
FOG - Fats, Oils, and Grease — 2,763
BWSC New CSS Tutorial video — 2,680
BWSC's New Website — 1,755
About BWSC — 930
BWSC's New Customer Portal — Full Tour 796
Keep Wipes Out of Pipes — 712
BWSC - Where Does the Water Go? — 620
Tastes Great! Less Wasteful! — 338
Downspout Disconnection — 332
BWSC's New Customer Portal – Quick Tour — 128
STAY CONNECTED — 121
Dudley Square Sewer Separation Project Interview — 114
Water Ways: BWSC Catch Basins — 109
The Water Cycle Is — 86
One Financial Center Installation Video — 85
Lead Replacement PSA (Reuploaded) — 63
Culinary FOG Video — 54
Boston Tea Party PSA — 52
FOG Plumber (with subtitles) — 49
What's Happening on Boston Harbor? — 33
FOG Plumber — 23
Lead Replacement PSA Spanish — 18
BWSC Grease Lids on GBH — 5

f. Educational Outreach

BWSC's Educational Coordinator gave presentations and dispersed BWSC informational brochures to students in the Boston school system and in various neighborhoods throughout the City of Boston. Communications staff also provided educational presentations to adults located in elderly housing developments, civic groups and neighborhood organizations. The list below details the numbers and types of presentations held from January to December 2024.

Schools/Groups

- January: 4 adults, 1 school, 86 students, 2 presentations

- February: 9 adults, 2 schools, 93 students, 4 presentations
- March: 8 adults, 1 school, 87 students, 4 presentations
- April: 6 adults, 1 school, 67 students, 3 presentations
- May: 44 adults, 6 schools, 374 students, 15 presentations
- June: 1 adult, 1 school, 13 students, 1 presentation
- July: 40 adults, 5 schools, 255 students, 8 presentations
- August: 43 adults, 2 schools, 121 students, 3 presentations [13]
- September: 1 adult, 1 school, 35 students, 1 presentation
- October: 53 adults, 7 schools, 477 students, 17 presentations
- November: 49 adults, 2 schools, 374 students, 3 presentations
- December: 9 adults, 2 schools, 13 students, 6 presentations

g. Environmental Events

During 2024, the Commission participated in many virtual meetings with environmental groups and community groups such as the Wastewater Advisory Committee (WAC) monthly board member meeting, Neponset River Watershed monthly board meeting, and the Water Supply Citizens Advisory Committee (WSCAC) monthly meeting. We also joined the community at a meeting to discuss the Lower Neponset River Superfund Site in Hyde Park. The meeting was hosted by the EPA and focused on the proposed plan to monitor the site and solicit community input on strategy. Updates were provided to these organizations and industry partners with ongoing BWSC infrastructure upgrades that included combined sewer separation projects and BWSC preventive maintenance activities on our facilities that help reduce the occurrence of combined sewer overflows. BWSC is committed to educating our customers and recreational users of our waterways about the importance of pollution prevention efforts. The Communications team participated in an environmental workshop at Northeastern University to discuss with industry leaders the impact that microplastics and other pollutants have on our waterways and overall ocean health.

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 2024 the Commission continued to work with schools and groups within the City of Boston to mark curbs in their neighborhoods with stencils and decals.

Commission contractors are required to install metal castings with a “Don’t Dump” message on sidewalks near new or reconstructed catch basins. City of Boston 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 2024 the Commission issued 662 catch basin castings to contractors and other parties. Of those issued, 507 were for Boston Harbor, 94 for the Charles River and 61 were for the Neponset River.

i. Water Truck

BWSC dispatches a mobile water truck to assist as a marketing tool while on site at in-person environmental events. This truck offers safe, cool drinking water during heat emergencies and water main breaks to residents and businesses throughout the spring and fall. The goal of the water truck is to promote awareness of water quality and share with residents our “Don’t Dump” message along with the overall theme of encouraging residents to share in the responsibility of taking care of our waterways. In 2024, the truck was very visible at over 162 events. The Commission recently received the J.D. Power Award for the second time in a row for customer service.

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, Neponset, and Mystic River Watershed Association’s each received \$25,000 from the Commission in 2024; Boston Harbor Now received \$30,000; the Trustees of Reservations received \$10,000; the Boston Ground Water Trust received \$48,000.

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 STORMWATER BEST MANAGEMENT PRACTICES AND GREEN INFRASTRUCTURE

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

4.1 STORMWATER MODEL REPORT

On December 28, 2012, as required under the Consent Decree, the BWSC submitted a Stormwater Model Report to EPA for review and approval. The Stormwater Model Report contained evaluations of subcatchments, 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 BMP/GI. The Stormwater Model Report contained a discussion of potential BMP/GI available for possible implementation. It contained a discussion as to how the BMP/GI would assure consistency with applicable TMDL wasteload allocations and the extent to which the BMP/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.

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 BMP/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.

Construction of the Central Square project was completed in 2018, and construction of the Audubon Circle project was completed in 2019. Construction of the City Hall Plaza was completed in 2022. The final design of City Hall Plaza includes the installation of almost 23,000 square feet of permeable pavers and an infiltration reservoir capable of storing approximately 24,434 cubic feet of stormwater. Information regarding the City

Hall Plaza project can be found on the City of Boston's website at the following link: <https://www.boston.gov/departments/public-facilities/city-hall-plaza-renovation>.

4.3 BMP RECOMMENDATIONS REPORT

Under the Consent Decree the Commission was required to submit a BMP Recommendations Report within 20 months following EPA's approval of the Commission's Stormwater Model Report. The EPA approved the Commission's Stormwater Model Report on July 14, 2015. Fifteen months later on October 12, 2016, the Commission submitted the BMP Recommendations Report (Recommendations Report) to EPA. The Recommendations Report was approved by EPA in a letter dated October 24, 2018.

The Recommendations Report is a watershed-scale stormwater management plan that evaluates systematic implementation of BMPs to cost effectively achieve water quality goals. The Recommendations Report includes 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. The recommended BMP plan includes the following main components:

- Through the Commission's site plan review and approval process continue to require new development and redevelopment projects to incorporate priority BMPs with high pollutant removal rates to treat 1-inch of runoff from the site prior to discharging into the Commission's MS4.
- Reduce pollutant loads from roads and other large impervious areas by partnering with entities such as MassDOT and the Department of Conservation and Recreation to incorporate BMPs into major transportation projects and highways.
- Identify large impervious areas for retrofit such as parking lots with areas greater than 10,000 square feet that present BMP opportunities.
- Collaborate with the Boston Transportation Department to expand Boston's Complete Streets Initiative and to further define green design guidelines and emphasize implementation of priority BMPs with high pollutant removal efficiency.
- Continue current illicit discharge detection and elimination (IDDE) program.
- Coordinate with neighboring towns to protect and/or restore streams' natural assimilation capability for water quality improvement.
- Retrofit BMPs in large open spaces on public lands, such as those owned by the Boston Public Schools and Boston Parks and Recreation Department.
- Expand public outreach efforts to promote or incentivize implementation of BMPs on residential properties.

The plan provided in the Recommendations Report outlines an adaptive management process that is carried out in three phases over a 30-year period. Each phase adapts to the knowledge obtained from the previous phase(s) via a comprehensive monitoring program and effectiveness evaluations of the completed implementation projects.

4.4 TALBOT AVENUE DRAINAGE STRUCTURE RETROFIT PROJECT

In 2024, the Commission continued monitoring of a newly installed stormwater treatment structure on Talbot Avenue in Dorchester. The proprietary structure was installed with the intent to remove phosphorus, TSS and other pollutants of concern from a 122-acre stormwater tributary to the Charles River. BWSC previously contracted with The University of Massachusetts – Amherst and Northeastern University to monitor the effectiveness of this proprietary treatment technology. BWSC has since engaged Stantec Engineering to complete a second monitoring study on this technology, which commenced in Q2 of 2024 and was completed in Q4 2024. BWSC is exploring opportunities to implement this technology in other parts of the City of Boston.

4.5 DAISY FIELD GREEN INFRASTRUCTURE

In 2015, the Commission contracted with the University of New Hampshire Stormwater Center to conduct a feasibility analysis and prepare a conceptual design for GI at Daisy Field in Jamaica Plain. Daisy Field discharges to Leverett Pond through the Commission’s outfall 18GSDO233. The project will involve installation of a subsurface gravel filter under the baseball fields. The conceptual design was completed in 2016.

Daisy Field is owned by the City of Boston and managed through its Parks and Recreation Department (BPRD); therefore, authorization by the city is necessary to proceed with the construction of the GI. In 2023, the Commission completed 90% design of the Daisy Field green infrastructure. In 2024, The Commission contracted a professional services firm who drilled soil borings at Daisy Field to further explore the subsurface conditions at the park, and continued to draft a Memorandum of Understanding with BPRD and Nitsch Engineering (Nitsch) outlining the responsibilities of each agency to further advance the project.

4.6 BMP/GI PROJECT DEVELOPMENT AND ON-CALL BMP/GI CONTRACT

BWSC continued to work with other city agencies in 2024, including Boston Public Works Department (PWD), Boston Parks and Recreation Department, Boston Transportation Department, Boston Planning and Development Agency, and others, to design and construct BMP/GI projects at various locations throughout the city. The Commission also continued working with Nitsch Engineering Inc., under an on-call contract to design structural GI/BMPs for collaboration project with city agencies. Ongoing projects with Nitsch include design of a subsurface gravel filter at Daisy Field (as mentioned above), and design of bioretention and subservice infiltration along Coolidge Road in Brighton. Additionally, a GI maintenance manual was written to complement the GI design manual completed by the Commission in 2022.

4.7 GREEN INFRASTRUCTURE AT FIVE BOSTON PUBLIC SCHOOLS

In 2015, the Commission contracted with a consultant to conduct site analyses, perform feasibility assessments, and design GI for five Boston public schools. Designs for GI at the five schools were completed in 2017. Construction of GI at the Washington Irving Middle School and the Rafael Hernandez K-8 School was completed in 2018. Bids for the construction of GI at the David A. Ellis Elementary, Jackson/Mann K-8 and Edward M. Kennedy Academy for Health Careers schools were solicited in 2018, and construction was completed at all three schools in 2019.

In 2018, the Commission worked with Boston Public Schools to develop stormwater related curriculum for 5th and 7th graders. The curriculum was completed in 2018 and piloted in two 7th grade classrooms. The curriculum was designed to use the GI constructed at the schools to demonstrate various GI measures and to educate the students regarding GI benefits.

4.8 GREEN INFRASTRUCTURE FOR THREE TRIBUTARY AREAS

In 2015 the Commission contracted with three separate consultants to develop conceptual designs and prepare cost estimates for installation of BMP/GI in three areas of Boston tributary to the Charles River. The three areas were: Canterbury Brook (1,115 acres); Lower Stony Brook (1,020 acres); and Allston/North Beacon Street (556 acres). The knowledge and experience gained pursuant to these projects helps guide Commission as it develops more detailed designs and schedules for installation of BMP/GI citywide. The Canterbury Brook and Lower Stony Brook projects were completed in 2017. The Allston/North Beacon Street project was completed in 2018.

4.9 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 and coordinates with the City's Transportation Department as needed to implement the initiative.

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 and Green Infrastructure (BMP/GI). This section describes the Commission's efforts in 2024 in that regard.

5.1 ASSESSMENT OF STORMWATER BMP/GI

The Talbot Avenue drainage structure retrofit project described in Section 4 includes pre- and post-construction water quality monitoring to assess the effectiveness of the structure in removing Total Suspended Solids and Phosphorus. Monitoring results from 2024 are still being studied and the Commission will continue to monitor the effectiveness of the structure in 2025.

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 2024, the Commission and contract resources performed 21,566 catch basin 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. The amount of material removed from the Commission's catch basins in 2024 was approximately 2,638.94 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 20 particle separators. Information regarding the various particle separators, including their locations and receiving waters is summarized in Table 3-2. Because yearly cleaning is labor and equipment intensive and in the past only low volumes of material were removed on an annual basis, Operations is investigating what capture results would be on a 2-year cleaning cycle. Between 2023 and 2024 a total of 7.38 cubic yards of debris was removed from BWSC owned particle separators.

The cleaning data collected 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 vector 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 visually 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 STORMWATER MONITORING FOR MODEL UPGRADES

As described in Section 4, on December 28, 2012, the Commission submitted a Stormwater Model Report to the EPA, DEP and CLF, as required under the Consent Decree. Development of the 2012 Stormwater Model involved flow monitoring and water quality sampling at 22 sites in 2011 and 2012, and calibration of the Commission's 2012 Stormwater Model to those data. The 2012 Stormwater Model was modified to simulate dry and wet deposition of 13 pollutants, including nutrients, bacteria and metals, over nine land use categories across 3,600 subcatchments, as well as dry weather contributions from illicit discharges. 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 (BMP/GI) measures in Boston.

In May 2020, the Commission executed a contract with Kleinfelder for a Stormwater Monitoring and Model Validation Project (the 2020 Model Project). The 2020 Model Project included extensive water quality and flow monitoring, like that which was performed for the 2012 Model. The monitoring data collected was incorporated into the 2020 model. The main purpose of the 2020 Model Project was to update the model to include BMP/GI features installed in Boston since 2012; evaluate whether stormwater quality improvements have resulted since 2012 due to BMP/GI devices installed; and develop the basis for a long-term stormwater quality monitoring program under which historic, current and future pollutant levels can be compared to evaluation whether water quality improvements result. The Project also included development of a tool that will

allow the incorporation of BMP/GI data directly into the Stormwater Model database from site plans, as they are approved by the Commission.

6.3 URBAN RUNOFF WATER QUALITY PROJECT

Implementation of the Commission's Urban Runoff Water Quality Project concluded in 2017. The project included water quality sampling from manholes, outfalls, and gutters. Samples were analyzed for bacterial indicators, Human DNA markers, Pharmaceuticals and Personal Care Products, nutrients and other commonly sampled stormwater parameters. The main purposes of the project were to explore the use and effectiveness of alternative parameters and methods for determining whether bacteria or ammonia in storm drains or outfalls are 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. Total cost for the Project was \$581,939.

The Project included:

- 35 unique sampling locations
- Sampling during 6 dry and 6 wet weather sampling events
- 52 weekly sampling events
- 378 samples collected in total
- Up to 25 different parameters analyzed resulting in 2,362 unique sampling results

Major findings of the Project were as follows:

- The Human Marker (HF183) was detected in all subcatchments during dry weather regardless of IDDE program status.
- Fecal Indicator Bacteria (FIB) were correlated with human marker results during dry weather, confirming the utility of FIB for dry weather outfall prioritization and screening.
- FIB were not effective in detecting human waste during wet weather, when a mixture of waste types and other FIB sources are conveyed.
- Acetaminophen, atenolol, and caffeine were correlated with the human marker in dry weather outfall flows.
- IDDE test kit parameters (ammonia, surfactants, and residual chlorine) in outfall flows were not correlated with human marker results and were prone to false positive and false negative signals.
- Sewage (as indicated by the HM) was a significant source of TMDL pollutants (FIB and phosphorous) in discharges from storm drains during dry weather, while non-sewage sources were more significant during wet weather.

Recommendations were:

- Consider discontinuing use of wet weather FIB sampling data for subcatchment prioritization and use only dry weather FIB data for prioritizing subcatchments for IDDE.
- Consider collecting multiple FIB dry weather samples from each outfall and geometrically average results for prioritization.

6.4 OTHER PAST WATER QUALITY MONITORING PROJECTS

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.

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. Another important means of evaluating water quality improvements over time is the Commission's recently updated Stormwater Model. Analyses performed using the Stormwater Model are described further in this section.

7.1 STORMWATER MODEL ANALYSES

As described in Section 4 and 6, the Commission used its 2012 Stormwater Model to analyze a set of 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 Stormwater Best Management Practices and Green Infrastructure (BMP/GI) in the City of Boston.

Alternatives considered included expansion of existing programs and policies, new BMP/GI installations, street sweeping, baseline adjustments for illicit discharge removal, and combinations of various options. The alternatives modeling indicated that expansion of current programs and policies would measurably help the Commission comply with its NPDES Permit and meet the terms of the Total Maximum Daily Loads (TMDL) governing receiving waters. However, additional load reductions beyond what the existing programs and policies could achieve would be necessary.

The 2012 Stormwater Model had the capability to evaluate pollutant loading reductions that resulted from the installation of stormwater BMP/GI. However, the 2012 Stormwater Model had not been updated to include BMP/GI installed since March 2012. In May 2020, the Commission executed a contract with Kleinfelder for a Stormwater Monitoring and Model Validation Project (2022 Model Project) designed to:

- Obtain current water quality and flow data to update and validate the Stormwater Model and determine whether recalibration of the Stormwater Model is warranted.
- Update the Stormwater Model to represent BMP/GI devices installed by the Commission and private developers since 2012. Develop a mechanism within the Stormwater Model to allow for regular updates to represent new BMP/GI devices installed.
- Determine whether, and to what extent, reductions in phosphorus and bacteria have actually occurred since 2012, due to installation of BMP/GI devices and elimination of illicit connections.
- Obtain baseline water quality data upon which past and future water quality data can be compared and form the basis for a long-term water quality monitoring program.
- Prepare updated estimates of event mean concentrations and pollutant loadings in discharges from all outfalls and estimate annual cumulative pollutant loadings from the MS4 under current conditions.

The Stormwater Monitoring and Model Validation Project included development of a tool that will allow the incorporation of BMP/GI data obtained from site plans submitted to the Commission’s directly into the Stormwater Model. The tool expedites and enhances the Commission’s ability to evaluate pollutant loads and reductions achieved due to BMP/GI installations as they are installed. The tool was implemented by the Commission in April 2023.

In July of 2023 the Commission executed a contract with Brown and Caldwell for Sewer and Drain Model updates. The purpose of the updates are:

- Update the pipe network and land-use to reflect improvements and developments since 2012.
- Expand the pipe network to include areas that may have previously been underrepresented in the model.
- Implement software updates to streamline the implementation of the GI/BMP within the model.
- Recalibrate the model using the water quality and metering data collected as part of the Stormwater Monitoring and Model Validation Project completed by Kleinfelder.

7.2 POLLUTANT LOADINGS AND REDUCTIONS

The Commission’s 2012 Stormwater Model was used to estimate mean annual pollutant 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 pollutant loads for the Commission’s 27 sub-drainage areas (referred to as “reporting areas”), as they were calculated in 2012.

The Commission recently used the Storm Drain Model to obtain updated estimates of mean annual loads for the same 13 water quality constituents analyzed for the 2012

Stormwater Model. Table 7-2 presents the estimated mean annual pollutant loads by reporting area, based on conditions as of December 31, 2024. The calculations demonstrate that Total Phosphorus had been reduced 27 % from the 2012 baseline.

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 2024, the Commission eliminated illicit discharges at 12 locations, thereby eliminating the discharge of an estimated 2,330 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 2024, the Commission removed 1,959 illicit discharges, thereby eliminating the discharge of an estimated total of 877,522 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 2024, the Commission and its contractors removed an estimated 2,638.94 tons of material from the Commission's catch basins that might have otherwise ended up in local rivers and waterways.

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 entities. These are described below.

a. Privately Owned Retention/Infiltration Devices

Under the Commission's Site Plan Requirements and Sewer Use Regulations, for all development or redevelopment projects in the City it is mandatory to retain and infiltrate stormwater on site. A volume of runoff equal to one inch of rainfall multiplied by the total impervious area on site must be infiltrated prior to discharge to a storm drain or a combined sewer system for projects less than 100,000 square feet of floor area. For all projects which are at or above 100,000 square feet of floor area, the project must use a volume of runoff equal to 1.25 inches of rainfall multiplied by the total impervious area on site. On-site infiltration of stormwater serves to limit peak discharge rates, recharge groundwater, and remove total suspended solids in the flow. 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.

GI/LID practices that utilize infiltration are necessary in order to meet the water quality requirements outlined in the Total Maximum Daily Load (TMDL) for the Charles River and the BWSC Consent Decree. Any project with an infiltration system and/or a catch basin system must also include an Operations and Maintenance (O&M) plan with their site plan material.

On-site infiltration 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 2024, the Commission approved installations of 301 infiltration devices. Table 3-4 provides the addresses of the devices approved in 2024.

b. Privately Owned Grit Separators

In order to prevent oil, grease and sediments from discharging to open waterways, the Commission requires that developers install grit 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 grit separators on parking lots are included in the project design during site plan review. The Commission may require grit separators on existing storm drains from existing outdoor parking areas, where appropriate. This requirement has been in place since 1992.

Parking lot grit 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 grit 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 2024, the Commission approved installation of seven (7) grit separators. The addresses of the devices approved in 2024 are listed on Table 3-5.

8.0 ENFORCEMENT

The Commission pursues enforcement as necessary 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), submit a plan for correction within a designated time period (typically 30 days), and make the correction 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 deadline or schedule for compliance (typically 30 days), and notifies the owners of fine assessments after a certain date for failure to comply.

If the owner still fails to respond or does not correct the illicit connection within the timeline or schedule the Commission may issue a third notice. The third letter also imposes a deadline or schedule for compliance (typically 10 days) and notifies the owner of fine assessments after a certain date for failure to comply.

If the owner still fails to respond or does not correct the illicit connections within the timeline or schedule identified in the third notice the Commission may issue 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 fails to correct the internal connection within ten (10) days after the posting of the Final Notice and Demand, the Commission may issue fines to the owner and terminate water service.

In 2024, the Commission responded to 31 reports of a potential spill, leak, or report of illicit dumping. Table 3-3 lists the incidences to which the Commission responded in 2024. No violation/enforcement notices issued for spills, leaks or dumping in 2024.

In 2024, the Commission performed 67 site inspections of construction projects in Boston. One (1) violation notice was issued for construction related projects.

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 2024 Current Expense Budget totaled \$456.9 million in revenues, which was offset by an equal amount of expenses. The amount represented a 1.7% increase as compared to the 2023 budget.

Of the total budgeted for 2024, \$105.4 million was for direct expenses. The remaining funds were budgeted for the assessment by the Massachusetts Water Resources Authority (\$253.9 million), Debt Service (\$50.4 million), Capital Improvements (\$39.7 million), Contractual Funding Obligations (\$7.3 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 \$47.9 million or 45.4 percent of the Commission's 2024 direct expense budget was for the Engineering and Operations Divisions. Of the Engineering and Operations Division's direct expense budget, about \$28.9 million was

for sewer and storm drain related operations. Thus, sewer and drain related work represented about 27.4 percent of the Commission’s total direct expense budget.

The Current Expense Budget for 2025 had not been finalized as of the writing of this report but is expected to be similar to the 2024 budget.

Stormwater related programs and activities supported by the Current Expense Budget funding include:

- Illegal connection investigations and corrections
- Illegal connection prevention
- Illegal dumping and spill response
- SSO and spill response and remediation
- CMOM implementation
- Planning, designing and constructing capital improvements
- Green infrastructure planning and design
- Industrial facility pollution prevention program management
- Construction site pollution prevention inspections
- 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
- Issuing Drainage Discharge Permits
- Sewer system evaluations and Master Planning
- Infiltration and inflow identification and reduction
- Reviewing Environmental Notification Forms and Environmental Impact Reports
- Public education
- Rain data collection
- Enforcement of the Commission’s Rules and Regulations

9.2 CAPITAL EXPENDITURES

The 2024-2026 CIP included \$178.7 million for sewer, drain and stormwater related projects, of which \$64.9 million was earmarked for 2024.

The Commission’s 2025-2027 identifies \$204 million for sewer, drain and stormwater related projects, of which \$67 million is earmarked for 2025.

The 2023-2025, 2024-2026, and 2025-2027 CIP plans are 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 2023-2025 CIP include the following:

- Design and construction of a constructed wetland in Jamaica Plain
- Design GI/Stormwater detention/retention structures for low lying areas
- Retrofit of an existing drainage structure on Talbot Avenue to remove phosphorus from stormwater
- Coastal stormwater impact analysis
- CSO Public Notification Program
- Installation of sensors in sewer and drain to allow real-time monitoring of the systems
- 3-D Depictions of sewer structures
- Fort Point Channel Storage Feasibility Analysis
- Citywide Illegal Connection Investigation Program
- Elimination of illicit discharges to storm drains
- CCTV of sewers/drains for CMOM and illicit discharge investigations
- Implementation of improvements to the Union Park Pumping Station
- Dorchester Interceptor relief sewer and storage tank design
- Installation of tide gates and backwater prevention devices on storm drain outfalls
- Replace and rehabilitate sewers and drains citywide
- South Boston and East Boston sewer separation
- Downspout disconnect programs
- West Roxbury-Hyde Park SSES
- Charlestown SSES
- Charlestown Separation
- Implement GI Programs to improve water quality
- Fort Point Channel/Mystic CSO Control Projects

10.0 PROGRAM MODIFICATIONS

Following the lodging of the Consent Decree in August 2012, the Commission undertook 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 2024 or are being requested at this time. Modifications made in prior years were described in previous annual Stormwater Management Reports.

APPENDIX A: TABLES

Table 1-1. BWSC Stormwater Outfalls

OUTFALL NUMBER	LOCATION	NEIGHBORHOOD	SIZE (INCHES)	RECEIVING WATER
01E024	EASEMENT/LAKESIDE	HYDE PARK	15	SPRAGUE POND/NEPONSET RIVER
01F031	EASEMENT/MILLSTONE RD	HYDE PARK	48X24	NEPONSET RIVER
02E086 (02E005)	WEST MILTON STREET	HYDE PARK	24	UNAMED WETLANDS
02F085	LAWTON STREET	HYDE PARK	12	NEPONSET RIVER RESERVATION
02F093	EASEMENT/SIERRA RD	HYDE PARK	15	NEPONSET RIVER
02F120	EASEMENT/WOLCOTT CT/HYDE PARK AVE EXT	HYDE PARK	54	NEPONSET RIVER
03E185	NORTON ST	HYDE PARK	2-18	WETLANDS/NEPONSET RIVER
03E186	RIVER STREET	HYDE PARK	24	MILL POND/MOTHER BROOK
03E207	RIVER STREET	HYDE PARK	UNKNOWN	MILL POND/MOTHER BROOK
04E064	ALVARDO AVE/RIVER ST BRIDGE	HYDE PARK	12	MILL POND/MOTHER BROOK
04E069	KNIGHT ST DAM	HYDE PARK	36	MOTHER BROOK
04F001	RESERVATION ROAD	HYDE PARK		MOTHER BROOK
04F016	EASEMENT RIVER ST	HYDE PARK	30	MOTHER BROOK/NEPONSET RIVER
04F118	MASON STREET EXT.	HYDE PARK	18	NEPONSET RIVER
04F119	EASEMENT/HYDE PARK AVE/RESERVATION RD	HYDE PARK	24	NEPONSET RIVER
04F189	RESERVATION RD	HYDE PARK	36	MOTHER BROOK/NEPONSET RIVER
04F203	GLENWOOD AVE	HYDE PARK	28	NEPONSET RIVER
04F204	TRUMAN HWY/CHITTICK ST	HYDE PARK	36	NEPONSET RIVER
05C110	EASEMENT/PLEASANTDALE ST EXT	WEST ROXBURY	60	CHARLES RIVER
05E180	GEORGETOWN DRIVE	HYDE PARK	12	NONE SHOWN/CHARLES RIVER
05E181	GEORGETOWN DRIVE	HYDE PARK	12	NONE SHOWN/CHARLES RIVER
05E182	DEDHAM STREET	HYDE PARK	21	UNNAMED STREAM/CHARLES RIVER
05E183	GEORGETOWN PLACE/DEDHAM ST	HYDE PARK	12	UNNAMED STREAM
05E184	TURTLE POND PARKWAY	HYDE PARK	21	UNAMED WETLANDS
05F117	EASEMENT/TRUMAN HWY/WILLIAMS AVE	HYDE PARK	33	NEPONSET RIVER
05F244	HYDE PARK AVE BRIDGE	HYDE PARK	20	MOTHER BROOK/NEPONSET RIVER
05F245	HYDE PARK AVE	HYDE PARK	33	MOTHER BROOK/NEPONSET RIVER
05F253	EASEMENT/BUSINESS ST, NEAR BUSINESS TER	HYDE PARK	48X24	MOTHER BROOK/NEPONSET RIVER
05F254	DANA AVENUE	HYDE PARK	12	NEPONSET RIVER
05G112	EASEMENT/RR ROW/WATER ST EXT	HYDE PARK	30	NEPONSET RIVER
05G115	FAIRMOUNT AVE BRIDGE (NORTH BANK)	HYDE PARK	24	NEPONSET RIVER
05G116	FAIRMOUNT AVE BRIDGE (SOUTH BANK)	HYDE PARK	24	NEPONSET RIVER
05G116A	WARREN AVENUE	HYDE PARK	24	NEPONSET RIVER
06D057	CEDAR CREST CIRCLE	WEST ROXBURY	21	CHARLES RIVER
06D083	MARGARETTA DRIVE	WEST ROXBURY	15	WETLANDS/CHARLES RIVER
06D084	EASEMENT/MARGARETTA DRIVE	WEST ROXBURY	12	WETLANDS/CHARLES RIVER
06D085	GEORGETOWN DRIVE	WEST ROXBURY	12	WETLANDS/CHARLES RIVER
06D086	GEORGETOWN DRIVE	WEST ROXBURY	10	WETLANDS/CHARLES RIVER
06D091	GEORGETOWN DRIVE	WEST ROXBURY	10	WETLANDS/CHARLES RIVER
06D184	GEORGETOWN DRIVE	WEST ROXBURY	18	WETLANDS/CHARLES RIVER
06D187	EASEMENT/GROVE ST	WEST ROXBURY	36	BROOK GROVE ST CEMETERY
06F233	MOUNT ASH ROAD	HYDE PARK	UNKNOWN	WETLAND - STONY BROOK RESERVATION
06G108	EASEMENT/WEST OF WOOD AVE EXT	HYDE PARK	69	NEPONSET RIVER
06G109	RIVER TER EXT, NEAR ROSA ST	HYDE PARK	48	NEPONSET RIVER
06G110	EASEMENT/WEST STREET EXT	HYDE PARK	30	NEPONSET RIVER
06G111	EASEMENT/VOSE ST EXT., TRUMAN HWY	HYDE PARK	24	NEPONSET RIVER
06G165	TRUMAN HWT/METROPOLITAN AVE	HYDE PARK	10	NEPONSET RIVER
06G166	ABOUT 30' FROM GUARDRAIL NORTH SIDE OF TRUMAN HWY NEAR MILTON	HYDE PARK	36X36	NEPONSET RIVER
06H106	OSCEOLA STREET	HYDE PARK	24	NEPONSET RIVER
06H107	EASEMENT/BELNEL RD	HYDE PARK	24	NEPONSET RIVER
07C006	EASEMENT/VFW PARKWAY/BELLE AVE	WEST ROXBURY	126X126	CHARLES RIVER
07H105	EASEMENT/EDGEWATER/S RIVER ST	NEPONSET/MATTAPAN	102X72	NEPONSET RIVER
07H285	BLUE HILL AVE	NEPONSET/MATTAPAN	106X63	NEPONSET RIVER
07H346	EDGEWATER DRIVE/HOLMFIELD AVE	HYDE PARK	18	NEPONSET RIVER
07H347	EDGEWATER DRIVE/BURMAH ROAD	NEPONSET/MATTAPAN	21	NEPONSET RIVER
07H348	EDGEWATER DRIVE/TOPALIAN STREET	NEPONSET/MATTAPAN	24	NEPONSET RIVER
08B122	EASEMENT/NORTH OF SPRING ST.	WEST ROXBURY	30	CHARLES RIVER
08B126	SPRING STREET EXTENDED	WEST ROXBURY	30	CHARLES RIVER
08C025	WEDGEMERE ROAD	WEST ROXBURY	24	CHARLES RIVER
08C026	WEDGEMERE ROAD	WEST ROXBURY	24	CHARLES RIVER
08E031	TURTLE POND PARKWAY	WEST ROXBURY	18	TURTLE POND
08E033	TURTLE POND PARKWAY	WEST ROXBURY	UNKNOWN	TURTLE POND
08E035	WASHINGTON STREET	WEST ROXBURY	15	TURTLE POND
08F001	SHERRIN STREET	HYDE PARK	24	WETLANDS/CHARLES RIVER
08I153	DUXBURY ROAD	NEPONSET/MATTAPAN	15	NEPONSET RIVER
08I154	EASEMENT/RIVER ST/GLADESIDE AVE	NEPONSET/MATTAPAN	18	NEPONSET RIVER
08I155	EASEMENT/RIVER ST/MAMELON CIR	NEPONSET/MATTAPAN	24	NEPONSET RIVER

Table 1-1. BWSC Stormwater Outfalls

OUTFALL NUMBER	LOCATION	NEIGHBORHOOD	SIZE (INCHES)	RECEIVING WATER
08I156	EASEMENT/RIVER ST/MAMELON CIR	NEPONSET/MATTAPAN	24	NEPONSET RIVER
08I158	EASEMENT/RIVER ST/FREMONT ST	NEPONSET/MATTAPAN	18	NEPONSET RIVER
08I207	MEADOWBANK AVE EXT	NEPONSET/MATTAPAN	15	NEPONSET RIVER
08I209	MEADOWBANK AVE EXT	NEPONSET/MATTAPAN	12	NEPONSET RIVER
08J041	RIVER STREET	DORCHESTER	18	NEPONSET RIVER
08J102	ADAMS STREET	DORCHESTER	15X15	NEPONSET RIVER
08J103	EASEMENT/CENTRAL AVE BRIDGE	DORCHESTER	30	NEPONSET RIVER
08J49/50	DESMOND RD	DORCHESTER	2-18&24	NEPONSET RIVER
08K049	BEARSE AVENUE	DORCHESTER	12	NEPONSET RIVER
09B049	EASEMENT/RIVERMOOR ST	WEST ROXBURY	30	COW ISLAND POND/CHARLES RIVER
09E229	GRANDVIEW STREET	WEST ROXBURY	12	NONE SHOWN
09E243	BLUE LEDGE TR/EASEMENT	WEST ROXBURY	30	UNNAMED STREAM
09K016	EASEMENT/BEARSE AVE EXT	DORCHESTER	15	NEPONSET RIVER
09K100	EASEMENT/MELLISH RD	DORCHESTER	34X24	NEPONSET RIVER
09K101	EASEMENT/HUNTOON ST EXT	DORCHESTER	24	NEPONSET RIVER
09L095	GRANITE AVENUE	DORCHESTER	36X48	NEPONSET RIVER
10B015	EASEMENT/CHARLES RIVER ROAD	WEST ROXBURY	21	COW ISLAND POND/CHARLES RIVER
10L094	EASEMENT/GALLIVAN BLVD	DORCHESTER	74X93	NEPONSET RIVER VIA DAVENPORT BROOK
10L096	HILLTOP & LEXONDALE STS	DORCHESTER	36	NEPONSET RIVER
11B123	EASEMENT/EAST OF BAKER ST EXT.	WEST ROXBURY	72	BROOK FARM BROOK/CHARLES RIVER
11G344 (11G318@MH11G247)	CULVERT UNDER WALK HILL STREET	ROSLINDALE	24	CANTERBURY BROOK
11G344 (11G319@MH11G246)	CULVERT UNDER WALK HILL STREET	ROSLINDALE	18	CANTERBURY BROOK
11I577	HARVARD ST	NEPONSET/MATTAPAN	102X102	CANTERBURY BROOK
11M093	NEPONSET AVE AT NW END OF NEPONSET AVE BRIDGE	DORCHESTER	48	NEPONSET RIVER
12B010	BAKER STREET	WEST ROXBURY	15	BROOK FARM BROOK
12B014	BAKER STREET	WEST ROXBURY	12	BROOK FARM BROOK
12B033	EASEMENT/BAKER STREET	WEST ROXBURY	18	BROOK FARM BROOK
12B124	EASEMENT/LAGRANGE STREET	WEST ROXBURY	120	BROOK FARM BROOK
12F305	EASEMENT/ARBOROUGH ROAD	ROSLINDALE	12	UNAMED WETLANDS
12E418	EASEMENT/WALTER STREET (renumbered from 12F322)	ROSLINDALE	18	NONE SHOWN
12H001 (12H085@MH12H26)	MORTON STREET	ROSLINDALE	15	CANTERBURY BROOK
12H001 (12H087@MH12H27)	MORTON STREET	ROSLINDALE	15	CANTERBURY BROOK
12H2	CANTERBURY STREET	ROSLINDALE	21	CANTERBURY BROOK
12H092	AMERICAN LEGION HIGHWAY	WEST ROXBURY	24	CANTERBURY BROOK
12L092	PINE NECK CREEK/TENEAN ST WEST OF LAWLEY	DORCHESTER	72	NEPONSET RIVER
12M091	ERICSSON/WALNUT ST	NEPONSET/MATTAPAN	36	NEPONSET RIVER
13B011	LAGRANGE STREET	WEST ROXBURY	12	UNNAMED STREAM
13D077	WEST ROXBURY PKY/VFW PKY	WEST ROXBURY	60	BUSSEY BROOK
13D078	WEST ROXBURY PKY/VFW PKY	WEST ROXBURY	60	BUSSEY BROOK
13E174	EASEMENT/VFW PARKWAY	ROSLINDALE	24	BUSSEY BROOK
13E175	EASEMENT/VFW PKY	ROSLINDALE	108X86	BUSSEY BROOK
13E176	EASEMENT/WELD ST	ROSLINDALE	15	NONE SHOWN
13F011	ALLANDALE STREET	ROSLINDALE	24	BUSSEY BROOK
13F093 (13F012)	WALTER STREET	ROSLINDALE	15	BUSSEY BROOK
13F095	EASEMENT/BUSSEY STREET	ROSLINDALE	12	BUSSEY BROOK
13F096	SOUTH STREET	ROSLINDALE	12	BUSSEY BROOK
13F097	SOUTH STREET	ROSLINDALE	6	BUSSEY BROOK
13L090	VICTORY RD. 200 FT SOUTH	DORCHESTER	144X180	DORCHESTER BAY
14C009	EASEMENT/WESTGATE RD	WEST ROXBURY	36	UNNAMED WETLANDS
15F288	ARNOLD ARBORETUM/MURRAY CIRCLE	JAMAICA PLAIN	54	GOLDSMITH BROOK
15L088	FREEPORT WAY EXTENDED	DORCHESTER	2-78"	DORCHESTER BAY
15L089	FOX POINT RD EXTENDED	DORCHESTER	2-90X82"	DORCHESTER BAY
16L097	EASEMENT/OFF SAVIN HILL AVE	DORCHESTER	24	PATTEN'S COVE
16L122	MORRISSEY BLVD DRAIN	DORCHESTER	TWIN 9X8	DORCHESTER BAY
17F012	FRANCIS PARKMAN DRIVE	JAMAICA PLAIN	15	JAMAICA POND
17M033	HARBOR POINT PARK (RELOCATED MT VERNON ST DRAIN)	DORCHESTER	72	OLD HARBOR
18G233	X-COUNTRY BTN WILLOW POND RD AND JAMAICAWAY	JAMAICA PLAIN	18	MUDDY RIVER-LEVERETT POND
19G043	HUNTINGTON AVE	ROXBURY/MISSION HILL	45X45	MUDDY RIVER
19G194	SOUTH HUNTINGTON AVE	ROXBURY/MISSION HILL	24	MUDDY RIVER
19G199	JAMAICA WAY	ROXBURY/MISSION HILL	10	MUDDY RIVER
20G161	EASEMENT/BROOKLINE AVE	ROXBURY/MISSION HILL	36	MUDDY RIVER
20G163	EASEMENT/RIVERWAY	ROXBURY/MISSION HILL	20	MUDDY RIVER
20G164	BROOKLINE AVENUE	ROXBURY/MISSION HILL		MUDDY RIVER
21C212	EASEMENT/LAKE SHORE ROAD	ALLSTON/BRIGHTON	30	CHANDLER POND
21H039 (21H045)	FENWAY	BOSTON PROPER	30X30	MUDDY RIVER
21H047	PALACE ROAD EXT	BOSTON PROPER	24	MUDDY RIVER
21H001	BROOKLINE AVENUE	FENWAY/KENMORE	45	MUDDY RIVER

Table 1-1. BWSC Stormwater Outfalls

OUTFALL NUMBER	LOCATION	NEIGHBORHOOD	SIZE (INCHES)	RECEIVING WATER
21H002	BROOKLINE AVENUE	FENWAY/KENMORE	51X51	MUDDY RIVER
21H048	EASEMENT/FENWAY/EVANS WAY	BOSTON PROPER	15	MUDDY RIVER
21K069	125' NORTH OF W.FOURTH STREET (RELOCATED BY CA/T)	BOSTON PROPER	48	FORT POINT CHANNEL
21M010	D STREET EXTENDED	SOUTH BOSTON	30	RESERVED CHANNEL
21M050	SUMMER STREET	SOUTH BOSTON	72	RESERVED CHANNEL
22C384	EASEMENT/LAKE SHORE RD	ALLSTON/BRIGHTON	36	CHANDLER POND
22L580	NECCO STREET EXTENDED	SOUTH BOSTON	54	FORT POINT CHANNEL
23G132	EASEMENT/MASS TURNPIKE/WEST OF BU BRIDGE	ALLSTON/BRIGHTON	60	CHARLES RIVER
23H040	RALEIGH STREET EXT	BOSTON PROPER	24	CHARLES RIVER
23H042	DEERFIELD ST	BOSTON PROPER	116X120	CHARLES RIVER
23L015	NORTHERN AVE	SOUTH BOSTON	24	BOSTON INNER HARBOR
23L074	SUMMER ST BRIDGE	SOUTH BOSTON	15	FORT POINT CHANNEL
23L075	CONGRESS ST BRIDGE	SOUTH BOSTON	54	FORT POINT CHANNEL
23L164	CONGRESS ST BRIDGE	BOSTON PROPER	48	FORT POINT CHANNEL
23L195	NORTHERN AVE	SOUTH BOSTON	36	BOSTON INNER HARBOR
23L196	NEW NORTHERN AVE BRIDGE	SOUTH BOSTON	36	FORT POINT CHANNEL
23L202	NORTHERN AVE	SOUTH BOSTON	36	BOSTON INNER HARBOR
24C039	NEWTON ST	ALLSTON/BRIGHTON	21	CHARLES RIVER
24C174	EASEMENT/NEWTON STREET	ALLSTON/BRIGHTON	24	CHARLES RIVER
24D032	N OF BEACON ST., ABOUT 800' E OF PARSONS ST	ALLSTON/BRIGHTON	119X130	CHARLES RIVER
24D150	SOLDIERS FIELD PLACE	ALLSTON/BRIGHTON	36	CHARLES RIVER
24G034	SOLDIERS FIELD ROAD, S OF CAMBRIDGE ST	ALLSTON/BRIGHTON	36	CHARLES RIVER
24G035	SOLDIERS FIELD ROAD/BABCOCK ST	ALLSTON/BRIGHTON	90X84	CHARLES RIVER
24L022	COURTHOUSE WAY	SOUTH BOSTON	48	BOSTON HARBOR
24L233	ROWE'S WHARF/ATLANTIC AVE	BOSTON PROPER	42	BOSTON HARBOR
25D040	ABOUT 390' N OF INTERSECTION OF SOLDIERS FIELD & WESTERN AVE	ALLSTON/BRIGHTON	36	CHARLES RIVER
25E037	EASEMENT/TELFORD ST	ALLSTON/BRIGHTON	66	CHARLES RIVER
25G041	SOLDIERS FIELD RD/NORTH OF WESTERN AVE BRIDGE	ALLSTON/BRIGHTON	24	CHARLES RIVER
25L058	CHRISTOPHER COLUMBUS PARK-WATERFRONT	BOSTON PROPER	84	BOSTON INNER HARBOR
25L144	CLARK STREET	BOSTON PROPER	12	BOSTON INNER HARBOR
25MCSO005	SUMNER STREET/PORZIO PARK	EAST BOSTON		BOSTON HARBOR/INNER HARBOR
25M006	MARGINAL ST EXT	EAST BOSTON	36	BOSTON INNER HARBOR
25M007	MARGINAL ST EXT (NEAR ORLEANS ST)	EAST BOSTON	42	BOSTON INNER HARBOR
26F038	HARVARD ST EXT	ALLSTON/BRIGHTON	36	CHARLES RIVER
26G001	SOLDIERS FIELD ROAD/EAST OF HARVARD UNIVERSITY	ALLSTON/BRIGHTON	36	CHARLES RIVER
26J049	NASHUA STREET	BOSTON PROPER	60	CHARLES RIVER
26J052	MONSIGNOR O'BRIEN HWY	BOSTON PROPER	12	CHARLES RIVER
26J101 (replaced 26J055)	LEVERETT CIRCLE	BOSTON PROPER	36	BOSTON INNER HARBOR
26K035	BEVERLY STREET NEAR WARREN BRIDGE	BOSTON PROPER	48x72	CHARLES RIVER
26K050	NASHUA STREET	BOSTON PROPER	36	CHARLES RIVER
26K052	COMMERCIAL STREET AT CHARTER ST.	BOSTON PROPER	16x24	CHARLES RIVER
26K099	WARREN ST EXT (FORMERLY CHELSEA ST/JOINER EXT)	CHARLESTOWN	84	CHARLES RIVER
26K254	NORTH WASHINGTON ST BRIDGE	CHARLESTOWN	36	BOSTON HARBOR
26L106	NEAR BATTERY WHARF	BOSTON PROPER	24X24	BOSTON INNER HARBOR
26L109	CLIPPER SHIP LANE	EAST BOSTON	48	BOSTON INNER HARBOR
26L070	HANOVER ST EXT	BOSTON PROPER	36	BOSTON INNER HARBOR
26L084	LEWIS STREET	EAST BOSTON	18	BOSTON INNER HARBOR
27J001	EASEMENT/INTERSTATE 93	CHARLESTOWN	72	MILLERS RIVER
27J044	PRISON POINT BRIDGE	CHARLESTOWN	15	MILLERS RIVER
27J096	EASEMENT/INTERSTATE 93	CHARLESTOWN	54	MILLERS RIVER
27L020/22	PIER 4 EASEMENT - NAVY YARD	CHARLESTOWN	2-20&24	BOSTON INNER HARBOR
28K010	OLD LANDING WAY EXT	CHARLESTOWN	42	LITTLE MYSTIC CHANNEL
28K061	EASEMENT/MEDFORD ST/OLD IRONSIDE	CHARLESTOWN	42	LITTLE MYSTIC CHANNEL
28K386	EASEMENT/TERMINAL ST	CHARLESTOWN	30	LITTLE MYSTIC CHANNEL
28L073	EASEMENT/5TH AVE - NAVY YARD	CHARLESTOWN	6	LITTLE MYSTIC CHANNEL
28L074/075/076	16TH ST/5TH AVE - NAVY YARD	CHARLESTOWN	3-30	LITTLE MYSTIC CHANNEL
28L077	EASEMENT/16TH ST - NAVY YARD	CHARLESTOWN	10	LITTLE MYSTIC CHANNEL
28N156	COLERIDGE ST EXT	EAST BOSTON	12	BOSTON HARBOR
28N207	MOORE ST	EAST BOSTON	54X57	BOSTON HARBOR
28O025	COLERIDGE/WADSWORTH ST. EXT	EAST BOSTON	30	BOSTON HARBOR
28P001	EASEMENT/NANCIA STREET	EAST BOSTON	12	BOSTON HARBOR
29J029	ALFORD STREET/Ryan PLGD	CHARLESTOWN	15	MYSTIC RIVER
29J129	ALFORD STREET SOUTH	CHARLESTOWN	15	MYSTIC RIVER
29J212	EASEMENT/MEDFORD ST(NEXT TO CSO 017)	CHARLESTOWN	72	MYSTIC RIVER
29M049	CONDOR STREET	EAST BOSTON	48	CHELSEA RIVER
29N015	CHELSEA STREET	EAST BOSTON	42X44.5	CHELSEA RIVER
29N135	ADDISON ST	EAST BOSTON	30X30	CHELSEA RIVER

Table 1-1. BWSC Stormwater Outfalls

OUTFALL NUMBER	LOCATION	NEIGHBORHOOD	SIZE (INCHES)	RECEIVING WATER
29O001	BENNINGTON ST (CONSTITUTION BEACH)	EAST BOSTON	66	BOSTON HARBOR NEAR CONSTITUTION BEACH
29P005	SARATOGA STREET	EAST BOSTON	12	BOSTON HARBOR
29P044	SHAWSHEEN ST	EAST BOSTON	12	BOSTON HARBOR
30J006	EASEMENT/ALFORD ST/EVERETT	CHARLESTOWN	18	MYSTIC RIVER
30J019	ALFORD ST/NORTH	CHARLESTOWN	15	MYSTIC RIVER
30J030	EASEMENT/ARLINGTON AVE	CHARLESTOWN	42	MYSTIC RIVER
30P062	PALERMO AVE EXT	EAST BOSTON	12	WETLANDS
30P107	WALDEMAR AVENUE	EAST BOSTON	15	WETLANDS
31O004	EASEMENT/WALDEMAR AVE	EAST BOSTON	15	CHELSEA RIVER
31P084	EASEMENT/BENNINGTON ST	EAST BOSTON	30	BELLE ISLE INLET, REVERE

Table 1-2. BWSC Interconnections

INTERCONNECTION	INTERCONNECTING 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	CLASS
18LCSO086	Day Blvd @ Carson Beach Bath House	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY	SB
19LCSO084	Day Blvd @ H St	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY	SB
19LCSO085	Day Blvd @ Babe Ruth Park Dr	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY	SB
19MCSO082	Day Blvd @ N St	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY	SB
19NCSO081	Day Blvd @ Farragut Rd	SOUTH BOSTON	BOSTON HARBOR/DORCHESTER BAY	SB
21KCSO070	West 4th Street	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
21LCSO076	Pappas Way	SOUTH BOSTON	BOSTON HARBOR/RESERVED CHANNEL	SB-CSO
21MCSO078	East First Street	SOUTH BOSTON	BOSTON HARBOR/RESERVED CHANNEL	SB-CSO
21MCSO079	Summer St	SOUTH BOSTON	BOSTON HARBOR/RESERVED CHANNEL	SB-CSO
21NCSO080	Conley Marine Terminal	EAST BOSTON	BOSTON HARBOR/RESERVED CHANNEL	SB-CSO
22KCSO065	25 Dorchester Ave	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
22KCSO068	Fort Point Channel North of Broadway Bridge	CENTRAL	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
22KCSO072	Dorchester Avenue	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
22LCSO073	1 Gillette Pk	SOUTH BOSTON	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
23LCSO062	Under Seaport Blvd Bridge	CENTRAL	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
23LCSO064	245 Summer St	CENTRAL	BOSTON HARBOR/FORT POINT CHANNEL	SB-CSO
24LCSO060	Long Wharf/Aquarium	CENTRAL	BOSTON HARBOR/INNER HARBOR	SB-CSO
24NCSO003	Harborside Drive near Hyatt	EAST BOSTON	BOSTON HARBOR/INNER HARBOR	SB-CSO
25LCSO057	Eastern Ave	CENTRAL	BOSTON HARBOR/INNER HARBOR	SB-CSO
25NCSO004	Maverick Street	EAST BOSTON	BOSTON HARBOR/INNER HARBOR	SB-CSO
26LCSO009	Sumner St at New St	EAST BOSTON	BOSTON HARBOR/INNER HARBOR	SB-CSO
27LCSO010	141 Border St	EAST BOSTON	BOSTON HARBOR/INNER HARBOR	B-CSO
28LCSO012	Border St at Middle School	EAST BOSTON	BOSTON HARBOR/INNER HARBOR	SB-CSO
28LCSO019	Chelsea St at 16th St	CHARLESTOWN	BOSTON HARBOR/INNER HARBOR	SB-CSO
29JCSO017	545 Medford St	CHARLESTOWN	MYSTIC RIVER	SB-CSO
29MCSO013	Under Meridian St Bridge	EAST BOSTON	CHELSEA CREEK	SB-CSO
29NCSO014	Chelsea St. at East Eagle	EAST BOSTON	CHELSEA CREEK	SB-CSO
21HCSO046	The Fenway	FENWAY	CHARLES VIA MUDDY RIVER	B-CSO

TABLE 2-5. 2025 REVISED PRIORITY RANKING

FACILITY ID ^A	WEIGHT (w/ WW):	CRITERIA:	2024 Data					2024 Data					Most Recent Insp SCORE	TOTAL SCORE	
			Beach	Discharge Location SCORE	Dry Weather Flow Cond at "sampling location"	Dry Weather Bacteria (type)	Dry Weather Bacteria (result)	Dry Weather SCORE	Wet Weather Flow Cond at "sampling location"	Wet Weather Bacteria (type)	Wet Weather Bacteria (result)	Wet Weather SCORE			Most Recent Pipe/Bldg Insp Date ^B
12LMH304	Interconnection	Yes	10	Flow	Enterococci	>80,000	10	Not Required				11/20/2023	0	9.00	
28PSDO1	SDO	Yes	10	Flow	Enterococci	4,900	4	Not Required				12/16/2024	0	4.20	
13LSDO090	SDO	Yes	10	Flow	Enterococci	3,300	4	Not Required				12/26/2024	0	4.20	
29PSDO44	SDO	Yes	10	Flow	Enterococci	1,300	4	Not Required				10/22/2024	0	4.20	
15LSDO089	SDO	Yes	10	Flow	Enterococci	770	3	Not Required				10/6/2015	0	3.40	
29OSDO001	SDO	Yes	10	Flow	Enterococci	290	2	Not Required				7/25/2016	0	2.60	
28NSDO207	SDO	Yes	10	Flow	Enterococci	190	2	Not Required				11/7/2016	0	2.60	
28NSDO156	SDO	Yes	10	Dry			0	Flow	Enterococci	620	3	10/17/2012	5	2.10	
12LMH374	Interconnection	Yes	10	Flow	Enterococci	60	0	Not Required				1/3/2023	0	1.00	
15LSDO088	SDO	Yes	10	Flow	Enterococci	60	0	Not Required				12/6/2023	0	1.00	
12LSDO092	SDO	Yes	10	Flow	Enterococci	30	0	Not Required				12/4/2014	0	1.00	
28OSDO25	SDO	Yes	10	Flow	Enterococci	10	0	Not Required				7/22/2014	0	1.00	
21DMH319	Interconnection	No	10	Flow	E.coli	>80,000	10	Not Required				12/16/2024	0	9.00	
21EMH64	Interconnection	No	10	Flow	E.coli	150	0	Flow	E.coli	>80,000	10	11/20/2024	0	3.00	
20DMH62	Interconnection	No	10	Flow	E.coli	<10	0	Flow	E.coli	30,000	7	9/16/2019	0	2.40	
23HMH80	Interconnection	No	10	Dry			0	Dry				Pre-Consent Decree	10	2.00	
2FMH120	Interconnection	No	10	Dry			0	Flow	E.coli	640	2	9/30/2005	5	1.90	
14EMH36	Interconnection	No	10	Dry			0	Flow	E.coli	9,000	4	3/7/2016	0	1.80	
6CMH117	Interconnection	No	10	Dry			0	Flow	E.coli	2,300	3	5/30/2018	0	1.60	
11BMH49	Interconnection	No	10	Dry			0	Flow	E.coli	1,400	3	2/28/2017	0	1.60	
28IMH15	Interconnection	No	10	Flow	E.coli	150	0	Submerged				7/17/2018	0	1.20	
20DMH19	Interconnection	No	10	Flow	E.coli	210	0	Not Required				12/8/2020	0	1.00	
20DNP140	Interconnection	No	10	Flow	E.coli	90	0	Not Required				12/10/2024	0	1.00	
23BMH89	Interconnection	No	10	Flow	E.coli	70	0	Not Required				7/31/2024	0	1.00	
3FMH56	Interconnection	No	10	Flow	E.coli	40	0	Not Required				11/9/2015	0	1.00	
6DMH97	Interconnection	No	10	Flow	E.coli	<10	0	Not Required				7/30/2024	0	1.00	
21EMH86	Interconnection	No	10	Dry			0	Not Required				3/15/2021	0	1.00	
4FMH90	Interconnection	No	10	Dry			0	Not Required				10/29/2015	0	1.00	
23GSDO132	SDO	No	0	Flow	E.coli	>80,000	10	Not Required				11/22/2021	0	8.00	
19GSDO043	SDO	No	0	Flow	E.coli	>80,000	10	Not Required				11/12/2024	0	8.00	
8ISDO158	SDO	No	0	Flow	E.coli	50,000	9	Not Required				12/10/2024	0	7.20	
3ESDO186	SDO	No	0	Flow	E.coli	>80,000	10	Flow	E.coli	5,000	4	10/21/2024	0	6.80	
4FSDO118	SDO	No	0	Flow	E.coli	>80,000	10	Flow	E.coli	6,500	4	12/26/2024	0	6.80	
11BSDO123	SDO	No	0	Flow	E.coli	>80,000	10	Submerged				3/16/2021	0	6.20	
11ISDO577	SDO	No	0	Flow	E.coli	37,000	7	Not Required				9/16/2024	0	5.60	
3ESDO185	SDO	No	0	Flow	E.coli	30,000	7	Not Required				10/21/2024	0	5.60	
25MSDO007	SDO	No	0	Flow	Enterococci	22,000	7	Flow	Enterococci	6,800	5	1/11/2016	0	5.20	
8ISDO156	SDO	No	0	Flow	E.coli	24,000	6	Not Required				12/19/2024	0	4.80	
19GSDO194	SDO	No	0	Flow	E.coli	22,000	6	Not Required				1/16/2020	0	4.80	
22KCSO068	CSO	No	0	Flow	Enterococci	11,000	6	Not Required				1/20/2022	0	4.80	
28LCSO012	CSO	No	0	Flow	Enterococci	1,200	4	Not Required				NA	10	4.20	

WEIGHT (w/ WW):		10%	60%					20%	10%					
WEIGHT (w/o WW):		10%	80%					0%	10%					
FACILITY ID ^A	CRITERIA:	Beach	Discharge Location SCORE	Dry Weather Flow Cond at "sampling location"	Dry Weather Bacteria (type)	Dry Weather Bacteria (result)	Dry Weather SCORE	Wet Weather Flow Cond at "sampling location"	Wet Weather Bacteria (type)	Wet Weather Bacteria (result)	Wet Weather SCORE	Most Recent Pipe/Bldg Insp Date ^B	Most Recent Insp SCORE	TOTAL SCORE
21HCSO046-1 (15GMH290)	CSO	No	0	Flow	E.coli	11,000	5	Not Required				12/14/2021	0	4.00
10LSDO096	SDO	No	0	Flow	Enterococci	6,900	5	Not Required				12/2/2024	0	4.00
23LCSO062	CSO	No	0	Flow	Enterococci	510	3	Not Required				NA	10	3.40
5GSDO116	SDO	No	0	Flow	E.coli	3,100	3	Flow	E.coli	14,000	5	3/23/2009	5	3.30
7HSDO105	SDO	No	0	Flow	E.coli	8,000	4	Not Required				12/26/2024	0	3.20
5GSDO116A	SDO	No	0	Flow	E.coli	7,400	4	Not Required				12/24/2018	0	3.20
8JSDO103	SDO	No	0	Flow	E.coli	7,000	4	Not Required				2/7/2017	0	3.20
21HSDO045	SDO	No	0	Flow	E.coli	6,100	4	Not Required				10/25/2018	0	3.20
28KSDO010	SDO	No	0	Flow	Enterococci	3,700	4	Not Required				3/13/2019	0	3.20
21MSDO010	SDO	No	0	Flow	Enterococci	3,500	4	Not Required				5/9/2024	0	3.20
10LSDO094	SDO	No	0	Flow	Enterococci	2,800	4	Not Required				10/22/2024	0	3.20
29MCSO013	CSO	No	0	Flow	Enterococci	1,800	4	Not Required				1/23/2020	0	3.20
26KSDO099	SDO	No	0	Flow	Enterococci	1,600	4	Not Required				9/29/2015	0	3.20
26KSDO35	SDO	No	0	Flow	Enterococci	1,500	4	Not Required				8/2/2019	0	3.20
9ESDO243	SDO	No	0	Flow	E.coli	14,000	5	Flow	E.coli	150	0	1/17/2024	0	3.00
6GSDO109	SDO	No	0	Flow	E.coli	7,500	4	Flow	E.coli	4,100	3	9/3/2024	0	3.00
13FSDO97	SDO	No	0	Dry			0	Flow	E.coli	>80,000	10	NA	10	3.00
6DSDO83	SDO	No	0	Dry			0	Flow	E.coli	>80,000	10	NA	10	3.00
23LSDO195	SDO	No	0	Flow	Enterococci	610	3	Not Required				5/20/2006	5	2.90
12HSDO92	SDO	No	0	Flow	E.coli	330	2	Not Required				NA	10	2.60
24LSDO22	SDO	No	0	Flow	Enterococci	170	2	Not Required				NA	10	2.60
24LCSO060	CSO	No	0	Standing Water			1	Flow	Enterococci	>80,000	10	7/25/2019	0	2.60
25LCSO057	CSO	No	0	Standing Water			1	Flow	Enterococci	>80,000	10	7/29/2019	0	2.60
12ESDO418	SDO	No	0	Flow	E.coli	4,800	3	Not Required				3/20/2023	0	2.40
7HSDO285	SDO	No	0	Flow	E.coli	4,300	3	Not Required				12/23/2024	0	2.40
18GSDO233	SDO	No	0	Flow	E.coli	3,800	3	Not Required				6/27/2024	0	2.40
6GSDO110	SDO	No	0	Flow	E.coli	2,900	3	Not Required				8/28/2023	0	2.40
12BSDO124	SDO	No	0	Flow	E.coli	2,200	3	Not Required				12/18/2024	0	2.40
21HCSO046-1 (19HMH222)	CSO	No	0	Flow	E.coli	2,100	3	Not Required				11/1/2021	0	2.40
21HCSO046-1 (23IMH1)	CSO	No	0	Flow	E.coli	2,000	3	Not Required				2/13/2020	0	2.40
8ESDO31	SDO	No	0	Flow	E.coli	1,900	3	Not Required				11/18/2015	0	2.40
24GSDO035	SDO	No	0	Flow	E.coli	1,900	3	Flow	E.coli	3,900	3	12/13/2021	0	2.40
6GSDO111	SDO	No	0	Flow	E.coli	1,900	3	Not Required				9/24/2013	0	2.40
7CSDO006	SDO	No	0	Flow	E.coli	1,700	3	Not Required				6/15/2023	0	2.40
6DSDO187	SDO	No	0	Flow	E.coli	1,500	3	Not Required				8/12/2024	0	2.40
6DSDO57	SDO	No	0	Flow	E.coli	1,500	3	Not Required				4/16/2019	0	2.40
21HSDO001	SDO	No	0	Flow	E.coli	1,300	3	Not Required				1/13/2020	0	2.40
20GSDO161	SDO	No	0	Flow	E.coli	1,200	3	Not Required				8/8/2024	0	2.40
21KCSO070	CSO	No	0	Flow	Enterococci	900	3	Not Required				7/11/2022	0	2.40
28LSDO074/28LSDO075/28LSDO076	SDO	No	0	Flow	Enterococci	750	3	Not Required				11/7/2018	0	2.40
28KSDO61	SDO	No	0	Flow	Enterococci	720	3	Not Required				1/11/2016	0	2.40
17MSDO33	SDO	No	0	Flow	Enterococci	630	3	Not Required				12/18/2019	0	2.40
23LSDO196	SDO	No	0	Flow	Enterococci	630	3	Flow	Enterococci	900	3	6/21/2018	0	2.40
21MSDO50	SDO	No	0	Flow	Enterococci	610	3	Not Required				12/20/2023	0	2.40

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FACILITY ID ^A	CRITERIA:	Beach	Discharge Location SCORE	Dry Weather Flow Cond at "sampling location"	Dry Weather Bacteria (type)	Dry Weather Bacteria (result)	Dry Weather SCORE	Wet Weather Flow Cond at "sampling location"	Wet Weather Bacteria (type)	Wet Weather Bacteria (result)	Wet Weather SCORE	Most Recent Pipe/Bldg Insp Date ^B	Most Recent Insp SCORE	TOTAL SCORE
21MCSO078	CSO	No	0	Flow	Enterococci	560	3	Not Required				11/25/2019	0	2.40
30JSDO30	SDO	No	0	Flow	Enterococci	510	3	Not Required				3/12/2015	0	2.40
27LCSO10	CSO	No	0	Flow	Enterococci	170	2	Flow	Enterococci	16,000	6	3/12/2024	0	2.40
29PSDO005	SDO	No	0	Submerged			1	Flow	Enterococci	1,300	4	NA	10	2.40
4ESDO64	SDO	No	0	Dry			0	Flow	E.coli	68,000	9	4/28/2009	5	2.30
13FSDO95	SDO	No	0	Dry			0	Flow	E.coli	21,000	6	NA	10	2.20
24CSDO174	SDO	No	0	Flow	E.coli	820	2	Not Required				4/14/2009	5	2.10
21KSDO069	SDO	No	0	Flow	Enterococci	910	3	Submerged			1	4/1/2024	0	2.00
13FSDO96	SDO	No	0	Dry			0	Flow	E.coli	18,000	5	NA	10	2.00
4FSDO189	SDO	No	0	Dry			0	Flow	E.coli	30,000	7	6/6/2012	5	1.90
8KSDO49	SDO	No	0	Dry			0	Flow	Enterococci	25,000	7	11/16/2009	5	1.90
30PSDO62	SDO	No	0	Standing Water			1	Flow	Enterococci	1,200	4	9/20/2012	5	1.90
6DSDO86	SDO	No	0	Standing Water			1	Insufficient Flow			0	NA	10	1.80
12HSDO1 (12HMH26)	SDO	No	0	Submerged			1	Submerged			1	NA	10	1.80
12HSDO1 (12HMH27)	SDO	No	0	Submerged			1	Submerged			1	Pre-Consent Decree	10	1.80
27JSDO044	SDO	No	0	Standing Water			1	Standing Water			1	NA	10	1.80
5ESDO181	SDO	No	0	Standing Water			1	Submerged			1	Pre-Consent Decree	10	1.80
28LSDO077	SDO	No	0	CNL			1	Not Required				NA	10	1.80
26KSDO050	SDO	No	0	Flow	Enterococci	<10	0	Flow	Enterococci	1,500	4	NA	10	1.80
8JSDO102	SDO	No	0	Dry			0	Flow	Enterococci	16,000	6	11/16/2009	5	1.70
4FSDO119	SDO	No	0	Standing Water			1	Flow	E.coli	2,000	3	9/18/2007	5	1.70
15FSDO288	SDO	No	0	Flow	E.coli	910	2	Not Required				12/28/2020	0	1.60
13FSDO11	SDO	No	0	Flow	E.coli	460	2	Not Required				12/24/2018	0	1.60
21LCSO076	CSO	No	0	Flow	Enterococci	460	2	Not Required				2/7/2022	0	1.60
8BSDO122	SDO	No	0	Flow	E.coli	440	2	Not Required				9/18/2019	0	1.60
25LSDO058	SDO	No	0	Flow	Enterococci	390	2	Not Required				8/27/2018	0	1.60
25LSDO144	SDO	No	0	Flow	Enterococci	370	2	Not Required				3/13/2024	0	1.60
5FSDO117	SDO	No	0	Flow	E.coli	320	2	Not Required				12/10/2013	0	1.60
9LSDO095	SDO	No	0	Flow	Enterococci	320	2	Not Required				5/23/2018	0	1.60
23LSDO075	SDO	No	0	Flow	Enterococci	310	2	Not Required				3/12/2024	0	1.60
24LSDO233	SDO	No	0	Flow	Enterococci	250	2	Not Required				7/22/2019	0	1.60
19MCSO082	CSO	No	0	Flow	Enterococci	240	2	Not Required				5/24/2021	0	1.60
29MSDO049	SDO	No	0	Flow	Enterococci	220	2	Not Required				7/10/2017	0	1.60
23LSDO164	SDO	No	0	Flow	Enterococci	210	2	Not Required				3/16/2016	0	1.60
22LCSO073	CSO	No	0	Flow	Enterococci	160	2	Not Required				8/22/2019	0	1.60
31OSDO4	SDO	No	0	Flow	Enterococci	160	2	Not Required				4/5/2021	0	1.60
11MSDO093	SDO	No	0	Flow	Enterococci	110	2	Not Required				6/10/2019	0	1.60
26LCSO009	CSO	No	0	Flow	Enterococci	110	2	Not Required				6/3/2019	0	1.60
10BSDO15	SDO	No	0	Submerged			1	Flow	E.coli	15,000	5	2/12/2020	0	1.60
5ESDO182	SDO	No	0	Submerged			1	Flow	E.coli	14,000	5	11/18/2015	0	1.60
5FSDO245	SDO	No	0	Standing Water			1	Flow	E.coli	14,000	5	5/8/2018	0	1.60
4FSDO1	SDO	No	0	Dry			0	Flow	E.coli	2,800	3	NA	10	1.60
5ESDO180	SDO	No	0	Dry			0	Flow	E.coli	1,300	3	NA	10	1.60
4FSDO203	SDO	No	0	Dry			0	Flow	E.coli	1,300	3	NA	10	1.60

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FACILITY ID ^A	CRITERIA:	Beach	Discharge Location SCORE	Dry Weather Flow Cond at "sampling location"	Dry Weather Bacteria (type)	Dry Weather Bacteria (result)	Dry Weather SCORE	Wet Weather Flow Cond at "sampling location"	Wet Weather Bacteria (type)	Wet Weather Bacteria (result)	Wet Weather SCORE	Most Recent Pipe/Bldg Insp Date ^B	Most Recent Insp SCORE	TOTAL SCORE
2FSD085	SDO	No	0	Submerged			1	Flow	E.coli	480	2	6/11/2012	5	1.50
26FSD0038	SDO	No	0	Standing Water			1	Flow	E.coli	330	2	1/11/2007	5	1.50
1ESD024	SDO	No	0	Standing Water			1	Flow	E.coli	320	2	1/18/2012	5	1.50
14CSD09	SDO	No	0	Submerged			1	Flow	E.coli	7,700	4	5/13/2014	0	1.40
24NCSO003	CSO	No	0	Standing Water			1	Flow	Enterococci	4,900	4	3/12/2024	0	1.40
29NCSO014	CSO	No	0	Standing Water			1	Flow	Enterococci	2,900	4	6/5/2018	0	1.40
5FSD0254	SDO	No	0	Dry			0	Flow	E.coli	530	2	Pre-Consent Decree	10	1.40
23LSD015	SDO	No	0	Flow	Enterococci	10	0	Flow	Enterococci	490	2	NA	10	1.40
9KSD016	SDO	No	0	Dry			0	Flow	Enterococci	13,000	6	12/19/2024	0	1.20
4FSD016	SDO	No	0	Standing Water			1	Flow	E.coli	4,700	3	7/29/2014	0	1.20
6DSD085	SDO	No	0	Standing Water			1	Flow	E.coli	3,000	3	11/18/2015	0	1.20
25ESD0037	SDO	No	0	Submerged			1	Flow	E.coli	1,600	3	11/11/2021	0	1.20
24DSD0032	SDO	No	0	Submerged			1	Flow	E.coli	1,600	3	1/16/2023	0	1.20
26JSD0101	SDO	No	0	Standing Water			1	Flow	Enterococci	620	3	7/22/2019	0	1.20
6FSD0233	SDO	No	0	Dry			0	Standing Water			1	Pre-Consent Decree	10	1.20
6DSD084	SDO	No	0	Dry			0	Submerged			1	Pre-Consent Decree	10	1.20
12BSD010	SDO	No	0	Dry			0	Flow/CNA			1	Pre-Consent Decree	10	1.20
20GSD0164	SDO	No	0	Dry			0	Submerged			1	NA	10	1.20
7HSD0347	SDO	No	0	Dry			0	Flow	E.coli	1,800	3	3/25/2009	5	1.10
1FSD031	SDO	No	0	Dry			0	Flow	E.coli	1,700	3	12/17/2011	5	1.10
5CSD0110	SDO	No	0	Dry			0	Flow	E.coli	12,000	5	5/30/2018	0	1.00
25MCSO005	CSO	No	0	Flow	Enterococci	60	0	Flow	Enterococci	6,700	5	12/10/2018	0	1.00
13BSD011	SDO	No	0	Flow	E.coli	10	0	Not Required				Pre-Consent Decree	10	1.00
9BSD049	SDO	No	0	Flow	E.coli	10	0	Not Required				NA	10	1.00
5ESD0184	SDO	No	0	Flow	E.coli	<10	0	Flow	E.coli	17,000	5	2/1/2018	0	1.00
12BSD033	SDO	No	0	Flow	E.coli	<10	0	Not Required				NA	10	1.00
9ESD0229	SDO	No	0	Dry			0	Flow	E.coli	19,000	5	4/10/2014	0	1.00
13ESD0174	SDO	No	0	Dry			0	Flow	E.coli	12,000	5	1/8/2024	0	1.00
26KSD0052	SDO	No	0	Dry			0	Flow	Enterococci	6,800	5	5/30/2017	0	1.00
20GSD0163	SDO	No	0	Dry			0	Flow	E.coli	230	0	Pre-Consent Decree	10	1.00
3ESD0207	SDO	No	0	Dry			0	Flow	E.coli	200	0	NA	10	1.00
21HSD0048	SDO	No	0	Dry			0	Flow	E.coli	170	0	NA	10	1.00
26KSD0254	SDO	No	0	Dry			0	Not Required				NA	10	1.00
29JSD0029	SDO	No	0	Dry			0	Not Required				NA	10	1.00
26LSD0109	SDO	No	0	Dry			0	Not Required				NA	10	1.00
24GSD0034	SDO	No	0	Flow	E.coli	<10	0	Flow	E.coli	266	2	5/18/2009	5	0.90
2ESD05	SDO	No	0	Dry			0	Flow	E.coli	750	2	1/9/2012	5	0.90
7HSD0346	SDO	No	0	Dry			0	Flow	E.coli	710	2	3/24/2009	5	0.90
8ISD0153	SDO	No	0	Dry			0	Flow	E.coli	400	2	6/2/2009	5	0.90
8ISD0155	SDO	No	0	Dry			0	Flow	E.coli	270	2	6/2/2009	5	0.90
22LSD0580	SDO	No	0	Flow	Enterococci	90	0	Flow	Enterococci	1,600	4	1/11/2016	0	0.80
29JSD0129	SDO	No	0	Flow	Enterococci	10	0	Flow	Enterococci	4,200	4	5/14/2018	0	0.80
8BSD0126	SDO	No	0	Flow	E.coli	<10	0	Flow	E.coli	5,100	4	1/14/2014	0	0.80
2FSD093	SDO	No	0	Submerged			1	Submerged			1	11/3/2015	0	0.80

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12BSDO14	SDO	No	0	Standing Water			1	Submerged			1	12/11/2018	0	0.80
19LCSO085	CSO	No	0	Standing Water			1	Standing Water			1	3/21/2017	0	0.80
6DSDO91	SDO	No	0	Standing Water			1	Standing Water			1	12/18/2018	0	0.80
4ESDO69	SDO	No	0	Standing Water			1	Not Required				10/21/2024	0	0.80
21HSDO047	SDO	No	0	Standing Water			1	Not Required				10/25/2018	0	0.80
27JSDO001	SDO	No	0	Standing Water			1	Not Required				8/23/2018	0	0.80
25MSDO006	SDO	No	0	Standing Water			1	Not Required				2/6/2023	0	0.80
11GSDO344 (11GMH247)	SDO	No	0	Dry			0	Flow	E.coli	8,000	4	10/2/2018	0	0.80
6HSDO107	SDO	No	0	Dry			0	Flow	E.coli	5,900	4	5/9/2017	0	0.80
22KCSO072	CSO	No	0	Dry			0	Flow	Enterococci	2,100	4	5/6/2019	0	0.80
23LSDO074	SDO	No	0	Dry			0	Flow	Enterococci	1,700	4	11/14/2018	0	0.80
5FSDO244	SDO	No	0	Dry			0	Standing Water			1	5/19/2009	5	0.70
21HSDO002	SDO	No	0	Flow	E.coli	190	0	Flow	E.coli	2,000	3	1/13/2020	0	0.60
5GSDO115	SDO	No	0	Flow	E.coli	<10	0	Flow	E.coli	2,200	3	11/16/2015	0	0.60
23HSDO042	SDO	No	0	Dry			0	Flow	E.coli	1,500	3	3/12/2024	0	0.60
11GSDO344 (11GMH246)	SDO	No	0	Dry			0	Flow	E.coli	1,300	3	10/2/2018	0	0.60
21CSDO212	SDO	No	0	Flow	E.coli	90	0	Not Required				3/19/2012	5	0.50
29NSDO135	SDO	No	0	Flow	Enterococci	70	0	Not Required				8/1/2007	5	0.50
2FSDO120	SDO	No	0	Flow	E.coli	40	0	Not Required				10/22/2007	5	0.50
25GSDO041	SDO	No	0	Flow	E.coli	20	0	Not Required				5/18/2009	5	0.50
28KSDO386	SDO	No	0	Flow	Enterococci	20	0	Not Required				4/21/2011	5	0.50
31PSDO84	SDO	No	0	Flow	Enterococci	<10	0	Not Required				5/18/2009	5	0.50
24DSDO150	SDO	No	0	Flow	E.coli	<10	0	Flow	E.coli	10	0	1/9/2006	5	0.50
30PSDO107	SDO	No	0	Dry			0	Not Required				5/18/2009	5	0.50
6HSDO106	SDO	No	0	Dry			0	Dry				9/6/2011	5	0.50
29NSDO015	SDO	No	0	Flow	Enterococci	80	0	Flow	Enterococci	250	2	8/5/2019	0	0.40
8JSDO41	SDO	No	0	Flow	E.coli	50	0	Flow	E.coli	310	2	9/15/2015	0	0.40
8ESDO33	SDO	No	0	Dry			0	Flow	E.coli	740	2	11/18/2015	0	0.40
7HSDO348	SDO	No	0	Dry			0	Flow	E.coli	330	2	5/20/2019	0	0.40
5GSDO112	SDO	No	0	Dry			0	Flow	E.coli	260	2	11/16/2015	0	0.40
8FSDO1	SDO	No	0	Dry			0	Submerged			1	3/14/2019	0	0.20
19GSDO199	SDO	No	0	Dry			0	Standing Water			1	8/22/2013	0	0.20
28LSDO073	SDO	No	0	Dry			0	Standing Water			1	8/23/2018	0	0.20
5ESDO183	SDO	No	0	Dry			0	Submerged			1	6/15/2015	0	0.20
9KSDO100	SDO	No	0	Flow	E.coli	230	0	Not Required				1/12/2016	0	0.00
13DSDO078	SDO	No	0	Flow	E.coli	130	0	Not Required				5/21/2024	0	0.00
26GSDO01	SDO	No	0	Flow	E.coli	120	0	Not Required				10/31/2018	0	0.00
24CSDO39	SDO	No	0	Flow	E.coli	90	0	Not Required				3/1/2018	0	0.00
5FSDO253	SDO	No	0	Flow	E.coli	90	0	Not Required				7/16/2015	0	0.00
13FSDO12	SDO	No	0	Flow	E.coli	80	0	Not Required				2/21/2017	0	0.00
27LSDO020/27LSDO022	SDO	No	0	Flow	Enterococci	80	0	Not Required				12/7/2020	0	0.00
9KSDO101	SDO	No	0	Flow	Enterococci	60	0	Not Required				9/23/2021	0	0.00
29JSDO212	SDO	No	0	Flow	Enterococci	60	0	Not Required				2/24/2022	0	0.00
25NCSO004	CSO	No	0	Flow	Enterococci	60	0	Not Required				7/15/2019	0	0.00

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WEIGHT (w/o WW):			10%				80%				0%		10%	
FACILITY ID ^A	CRITERIA:	Beach	Discharge SCORE	Dry Weather Flow Cond at "sampling location"	Dry Weather Bacteria (type)	Dry Weather Bacteria (result)	Dry Weather SCORE	Wet Weather Flow Cond at "sampling location"	Wet Weather Bacteria (type)	Wet Weather Bacteria (result)	Wet Weather SCORE	Most Recent Pipe/Bldg Insp Date ^B	Most Recent Insp SCORE	TOTAL SCORE
13SDO077	SDO	No	0	Flow	E.coli	55	0	Not Required				5/21/2024	0	0.00
22KCSO065	CSO	No	0	Flow	Enterococci	50	0	Not Required				1/10/2019	0	0.00
8ISDO154	SDO	No	0	Flow	E.coli	50	0	Not Required				6/3/2019	0	0.00
13ESDO175	SDO	No	0	Flow	E.coli	45	0	Not Required				1/14/2015	0	0.00
6GSDO108	SDO	No	0	Flow	E.coli	40	0	Not Required				8/19/2024	0	0.00
23LCSO064	CSO	No	0	Flow	Enterococci	40	0	Not Required				1/17/2019	0	0.00
16LSDO122	SDO	No	0	Flow	Enterococci	40	0	Not Required				1/11/2022	0	0.00
29JCSO017	CSO	No	0	Flow	Enterococci	30	0	Not Required				7/19/2018	0	0.00
21MCSO079	CSO	No	0	Flow	Enterococci	30	0	Not Required				8/2/2021	0	0.00
8CSDO26	SDO	No	0	Flow	E.coli	30	0	Not Required				7/12/2018	0	0.00
23LSDO202	SDO	No	0	Flow	Enterococci	30	0	Not Required				12/10/2018	0	0.00
16LSDO097	SDO	No	0	Flow	Enterococci	30	0	Not Required				1/18/2022	0	0.00
22CSDO384	SDO	No	0	Flow	E.coli	30	0	Not Required				11/12/2015	0	0.00
19NCSO081	CSO	No	0	Flow	Enterococci	20	0	Not Required				1/16/2019	0	0.00
30JSDO6	SDO	No	0	Flow	Enterococci	10	0	Not Required				12/17/2019	0	0.00
8CSDO25	SDO	No	0	Flow	E.coli	10	0	Not Required				7/12/2018	0	0.00
23HSDO040	SDO	No	0	Flow	E.coli	10	0	Not Required				1/13/2020	0	0.00
12HSDO2	SDO	No	0	Flow	E.coli	10	0	Not Required				8/30/2021	0	0.00
26JSDO049	SDO	No	0	Flow	Enterococci	<10	0	Not Required				7/29/2019	0	0.00
30JSDO19	SDO	No	0	Flow	Enterococci	<10	0	Not Required				5/13/2015	0	0.00
17FSDO12	SDO	No	0	Flow	E.coli	<10	0	Not Required				5/24/2021	0	0.00
8ESDO35	SDO	No	0	Flow	E.coli	<10	0	Not Required				2/21/2017	0	0.00
12MSDO091	SDO	No	0	Flow	Enterococci	<10	0	Not Required				5/9/2018	0	0.00
12FSDO305	SDO	No	0	Dry			0	Not Required				12/19/2024	0	0.00
6GSDO165	SDO	No	0	Dry			0	Not Required				4/11/2014	0	0.00
13ESDO176	SDO	No	0	Dry			0	Not Required				11/2/2015	0	0.00
26LSDO106	SDO	No	0	Dry			0	Not Required				5/1/2018	0	0.00
25SDO040	SDO	No	0	Dry			0	Not Required				9/4/2018	0	0.00
18LCSO086	CSO	No	0	Dry			0	Not Required				1/9/2019	0	0.00
8JSDO50	SDO	No	0	Dry			0	Not Required				5/29/2019	0	0.00
19LCSO084	CSO	No	0	Dry			0	Not Required				6/21/2018	0	0.00
21NCSO80	CSO	No	0	Dry			0	Not Required				4/16/2019	0	0.00
4FSDO204	SDO	No	0	Dry			0	Not Required				12/7/2022	0	0.00
26LSDO70	SDO	No	0	Dry			0	Not Required				6/26/2018	0	0.00
6GSDO166	SDO	No	0	Dry			0	Not Required				8/28/2023	0	0.00
26LSDO084	SDO	No	0	Dry			0	Not Required				12/10/2018	0	0.00
26JSDO052	SDO	No	0	Dry			0	Flow	E.coli	150	0	1/17/2019	0	0.00
8ISDO207	SDO	No	0	Dry			0	Flow	E.coli	140	0	3/2/2017	0	0.00
28LCSO019	CSO	No	0	Dry			0	Flow	Enterococci	90	0	1/14/2019	0	0.00
8ISDO209	SDO	No	0	Dry			0	Flow	E.coli	30	0	2/22/2017	0	0.00
6DSDO184	SDO	No	0	NA ^C			0	NA ^C				NA	0	0.00
27JSDO096	SDO	No	0	NA ^D			0	NA ^D				NA	0	0.00

NOTES:

^AOutfalls in Bold were prioritized by EPA in 2014

^BOutfalls with Date of Last Inspection "NA" were complete based on outfall screening and did not require upstream investigation of manholes or buildings. Outfalls listed as "Pre-Consent Decree" were completed prior to lodging of the Consent Decree in August 2012.

Table 2-12. Direct Illicit Connections 1/1/24 - 12/31/24

Status	Bldg Number	Address	Bldg Type	Sub-Catchment Area	Subwatershed	Date Verified	Date Corrected	Days to Correct	If Not Corrected-Days Outstanding	Sewage Removed (gallons per day (gpd))	BWSC Cost
Repaired by Owner	9	Caton Street	R-3	07H105 Edgewater	Neponset River	8/6/2024	9/5/2024	30		202	
Repaired by Owner	86	Wilmington Avenue	R-1	07HSDO285	Neponset River	1/10/2024	2/16/2024	37		17	
Repaired by Owner	25	Zamora Street	R-1	18G233 Daisy Field	Muddy River to Charles River	1/10/2024	4/17/2024	98		17	
Repaired	26	O'Connell Road	R-1	10L094 Davenport	Neponset River (Davenport Brook)	7/29/2024	8/23/2024	25		64	\$17,617
Repaired	247	Stratford Street	R-1	23I023 West Roxbury	Charles via Stony Brook Conduit	11/13/2024	12/12/2024	29		50	\$17,070
Repaired by Owner	3895	Washington Street	Comm	23I023 Philbrick	Charles via Stony Brook Conduit	8/6/2024	8/20/2024	14		1,305	
Repaired	651	West Roxbury Parkway	R-1	23I023 West Roxbury	Charles via Stony Brook Conduit	3/6/2023	8/20/2024	533		290	\$18,067
Owner was Notified	99	Woodhaven Street	R-1	07H105 Edgewater	Neponset River	8/6/2024			147		
Owner was Notified	10	Glenhill Road	R-1	07H285 Blue Hill Ave	Neponset River	10/22/2024			70		
Owner was Notified	364	Corey Street	R-1	12B124 LaGrange	Charles River (Brook Farm Brook)	10/13/2021			1175		
Owner was Notified	480	Truman Parkway	R-1	06G165 Metropolitan	Neponset River	2/28/2019			2133		

	Illicit Connection was Corrected
	Correction of Illicit Connection is Pending

Total Sewage Removed (gpd)	1,945
BWSC Cost to Correct Illicit Connection**	\$52,754

**Costs do not include costs for manhole inspections or dye tests used to locate the illicit discharges

Table 2-13. Indirect Illicit Discharges 1/1/24 - 12/31/24

Status	Bldg Number	Address	Bldg Type	Sub-Catchment Area	Subwatershed	Date Verified	Date Corrected	Days to Correct	If Not Corrected-Days Outstanding	Sewage Removed (gallons per day (gpd))	BWSC Cost	BWSC Reimbursed to owner
Lateral Repaired by Owner	88	Westchester Road	R-1	15FMH333	Charles via Stony Brook Conduit	11/13/2024	12/3/2024	20		52	\$3,063	\$6,000
Lateral Repaired by Owner	17	Jewett Street	R-1	23I023 Philbrick	Charles via Stony Brook Conduit	6/9/2023	1/9/2024	378		91	\$1,806	\$6,000
Lateral Repaired by Owner	15-17	Rowe Street	R-2	23I023 Barron School	Charles via Stony Brook Conduit	6/13/2023	6/25/2024	378		110	\$1,828	\$6,000
Lateral Repaired by Owner	62	Harold Street	R-2	18HMH200SB	Charles via Stony Brook Conduit	11/19/2019	11/9/2024	1817		41	1,850	\$8,000
Lateral Repaired by Owner	434	Poplar Street	R-1	23I023 Monterey Hill	Charles via Stony Brook Conduit	11/2/2023	10/15/2024	348		91	1,850	\$6,000
Leaking Lateral Verified	382	Centre Street	R-2	18HMH271SB	Charles via Stony Brook Conduit	8/17/2018			2,328			
Leaking Lateral Verified	20	Byrd Avenue	R-1	23I023 Philbrick	Charles via Stony Brook Conduit	11/5/2024			56			
Leaking Lateral Verified	521	Poplar Street	R-1	23I023 Cleary	Charles via Stony Brook Conduit	11/13/2024			48			
Leaking Lateral Verified	1090	Morton Street	R-1	10L094 Davenport	Neponset River (Davenport Brook)	11/2/2023			425			
Leaking Lateral Verified	68	Perham Street	R-1	12B124 LaGrange	Charles River (Brook Farm Brook)	9/29/2022			824			
Leaking Lateral Verified	120	Westchester Road	R-1	15FMH333	Charles via Stony Brook Conduit	11/14/2024			47			
Leaking Lateral Verified	45	Sunset Hill Road	R-1	23I023 Fallon Field	Charles via Stony Brook Conduit	9/20/2023			468			

Leaking Lateral was Corrected
Repair of Leaking Lateral is Pending

Total Sewage Removed (gpd)	385
BWSC Cost to Plug Test Lateral to Verify Leakage*	\$10,397
Total BWSC Cost to Reimburse Owners*	\$32,000
Total BWSC Cost to Verify Leaking Laterals and Reimburse Owners*	\$42,397

**Costs do not include costs for manhole inspections or dye tests used to locate the illicit discharges

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
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 Separators 2023 and 2024

Nearest Street Number	Location	Neighborhood	Map #	BWSC Facility ID	Outfall #	Receiving Water
103	Atlantic Avenue	Boston Proper	25L	25LPA6	25LSDO058	Boston Harbor
1	Bussey Street/Arboretum	Jamaica Plain	13F	13FPA1 +13FPA2	13FSDO011	Bussy Brook
430	Canterbury Street	Mattapan	12H	12HPA2	12HSDO2	Unnamed Wetlands
19	Centre Lane	WROX	8C	8CPA1	8CSDO025,8CSDO026	Wetlands
2664	Centre Street	WROX	6C	6CPA1	6CSDO110	Wetlands
177	Coleridge Street	East Boston	28O	28OPA1	28OSDO025	Boston Harbor
35	Coniston Road	Roslindale	12E	12EPA1	13ICSO023	Stony Brook Conduit
28	Denny Street	Dorchester	15L	15LPA1	15LSDO089	Malibu Beach
26	Ericsson Street	Dorchester	12M	12MPA1	12MSDO091	Neponset River
111	Fenwood Road	Roxbury	20G	20GPA1	20GSDO161	Muddy River
13	Lawley Street	Dorchester	12L	12LPA1	12LSDO092	Pine Neck Creek
385	Martha Road	Central	26J	26JPA2	26JSDO100	Charles River
1170	Massachusetts Avenue	Roxbury	18K	18KPA10	21KCSO070	Boston Harbor
1170	Massachusetts Avenue	Roxbury	18K	18KPA11	21KCSO070	Boston Harbor
500	Neponset Avenue	Dorchester	11M	11MPA1	11MSDO093	Neponset River
25	Norton Street	Hyde Park	3E	3EPA1	3ESDO185	Open Channel
331	Perkins Street	Jamaica Plain	17F	17FPA1	17FSDO012	Jamaica Pond
15	Waldemar Avenue	East Boston	30P	30PPA105	30PSDO107	Belle Isle Inlet
240	Waldemar Avenue	East Boston	31O	31OPA1	31OSDO004	Belle Isle Inlet
110-112	Walter Street	Roslindale	12F	12FPA1	12ESDO418	Wetlands

Table 3-3. 2024 HazMat Spill Sewer Use Violations

#	Date	WO Number	Street	Neighborhood	Complaint	BWSC Personnel	Type	Cause of Incident / Responsible Party
1	1/20/2024	1789028	11 West Broadway St	SBOS	Cleaning company dumping illegally into CB	Steve Barnes/Dana Johnson	N/A	BWSC CREWS INSPECTED THE CATCH BASINS IN THE AREA OF SILVER STREET AND DID NOT OBSERVE ANY EVIDENCE OF ILLEGAL DUMPING. SOME NORMAL DEBRIS AND ROAD RUNOFF INSIDE CBS BUT NOTHING OUT OF ORDINARY.
2	1/22/2024	1790125, 1790131	1671 Blue Hill Avenue	MATP	DEP notified BWSC of oil spill surfacing in Neponset River	Elton Herald Terrance Williams Brendan McSweeney	Oil	DEP on site. DEP was to follow up with Fernandez X Car Wash at 1480 Blue Hill Ave as no oil/water separator present upon inspe
3	1/30/2024	1790037	928 Commonwealth Avenue	ALBR	A burst pipe in the boiler room of the building discharged into the	Elton Herald	Unknown substance	Upon arrival, no evidence of spill present
4	1/30/2024	1790088	Clover St & Gallivan Blvd	SDOR	Sheen going into CB in front of AutoZone	Danny Watson	N/A	no sign of oil in either cb132 or cb239
5	2/6/2024	1790330	175 Saint Botolph St	BBBH	"Orange liquid"	Tim Byrne	Unknown substance	ORANGE WATER WAS DUE TO BRICK DUST FROM WORK BEING DONE IN AREA
6	2/15/2024	1793695	Pond St	JAPL	Green liquid coming from storm outfall	Jean-Luc Teixeira	Unknown substance	LOOKS TO BE DYE TESTING FROM PLANNING. LINES IN THE PARK/POND AREA ARE DCR & PARKS AND REC OWNED.
7	2/15/2024	1793622	3055 Washington St	ROXB	Gas/oil going into CB	Ricardo Bryant	Oil	Gas station had company clean private CB
8	3/7/2024	1797474	532 River St	MATP	Possible grease dumping into CB from nearby restaurant	Will Mills, James Scarborough	Grease	Grease found in CB in front of 532 River St (Fritzy Restaurant). BWSC followed up on 3/12/24 by vactoring and cleaning CB
9	3/15/2024	1798346	188 High St	CENT	Dewatering into CB	Terrance Williams	Unknown substance	T. WILLIAMS ON SITE. DRD HIGH ST LLC CONDUCTING WORK ON LEMAN PL. CONTRACTOR WAS NOT PRESENT BUT HOSE WAS SEEN CONNECTING TO 244CB72. PICTURES TAKEN AND SENT TO ECS. FRANK MCLAUGHLIN CALLED CONTRACTOR AND TOLD TO CEASE DUMPING AND CALL FOR A DEWATERING PERMIT
10	4/3/2024	1800185	Tremont St & Hammond St	SEND	Possible grease dumping into CB	night ops - K.Williams	Grease	SUPERVISOR SPOKE TO OWNER WHO EXPLAINED THEY HAVE A GREASE TRAP IN THE REAR THEY RECYCLE THEIR GREASE AND A CO PICKS IT UP IT'S PLACED INSIDE BARRELS
11	4/27/2024	1805821	6 Spice Street	CTOWN	RV in parking lot dumping porto poly into nearby CB	night ops - K.Williams	sewage	unknown, notified DEP, ISD, BPHC - possibly from a RV parked in nearby parking lot reported but not witnessed dumping. CB ties combined sewer system no impacts, CB disinfected.
12	5/16/2024	1808942	33 Woolson St	MATP	Vehicle gas leaking into drain	Ed Coleman	Oil/Gas	BFD REPORTED FUEL LEAKING FROM CAR & GOING INTO CB38. BFD PUT SPEEDY DRY DOWN & PADS. BWSC PUT A BOOM IN CB38.
13	5/22/2024	1810165	19 Dromey St	ROXB	oil spill in CB	Terrance Williams	Oil	WHILE CB CREWS WERE CONDUCTING CLEANING, THEY NOTICED OIL IN 17JCB86 & CB67. J. TEIXEIRA CALLED WESTON & SAMPSON - LSP CONTRACTOR FOR CLEANUP. T. WILLIAMS MET WESTON AND SAMPSON INSPECTOR DARON K. ON SITE AT 2:30PM. WILL REINSPECT ON 5/24. 5/24 UPDATE (JLT) - WESTON AND SAMPSON MADE DETERMINATION THAT BOOMS WERE STAINED BUT WOULD LIKE T LEAVE THEM IN OVER THE WEEKEND TO BE REEVALIATED.
14	5/24/2024	1810352	#217 North Beacon Street (rear)	ALBR	oil spill in CB	night ops - D.Watson	Hydraulic Oil	PRIVATE CB IN THE REAR OF #217 NORTH BEACON ST CLEAN HARBORS CLEANED 10 GALLONS FROM CB IN THE REA OF #217 NORTH BEACON
15	6/21/2024	1814985	102 Milton Ave	HYDE	used motor oil in CB	Terrance Williams	oil	investigated and found no evidence of illegal dumping.
16	6/27/2024	1815345	1745 Commonwealth Ave	ALBR	Truck leaking oil into CB	Mike Stewart, Bob Kiessling	Oil	LOOKED INTO C/B BEHIND 1749 COMM AVE. NO OIL SEEN OR GAS SMELL. CHECKED C/B AT 1729 COMM AVE. NO OIL & NO SMELL OF GAS. CHECKED C/B @ 1755 COMM AVE. NO OIL & NO SMELL OF GAS.
17	7/1/2024	1816189	37 Radford Lane	SDOR	Brown liquid overflowing into CB	Terrance Williams	Unknown substance	T. WILLIAMS ON SITE, MET WITH HOMEOWNER. FRENCH DRAIN SYSTEM IS OVERFLOWING. NO ILLEGAL/NO SSO. HOMEOWNER TO MAKE REPAIR
18	7/20/2024, 7/22/24	1821226, 1821305	108 Norfolk St	SDOR	oil/transmission fluid leaking into CB	Rick McKinnon Hosman Santos	oil	site inspected, nothing impacting catch basin at this time. 1 small oil spot observed in curb. THIS IS A REPEAT LOCATION WHERE ANGRY RESIDENT COMPLAINS ABOUT NEARBY AUTO BODY SHOP. MULTIPLE SIT VISITS HAVE SHOWN NO EVIDENCE OF OIL IN THE CB.
19	7/25/2024	1823401	764 Blue Hill Ave	ROXB	oil found in CB	James Scarborough, Dereke Taylor	oil	OIL COMING FROM 764 BLUE HILL AVE TIRE SHOP. PUT TWO BOOMS IN BRADLEY HEAD CB
20	7/25/2024	1823403	954 River St	HYDE	murky water present in outfall to Neponset River	JL Teixeira, R. McKinnon, A. Greenlaw, C. Talbot, C. Pizarro, H. Santos, M. Patten, N. Dale	Unknown substance	Multiple site visits conducted. Camera'd sewers and drains upstream, no interconnections or breaks found. Followed up on dry we; days and found no flow in outfall.
21	7/31/2024	1823824	129 Deforest St	HYDE	"White powder" dumped into CB	Terrance Williams	Unknown substance	WHITE POWDER APPEARS TO BE ROCK SALT.
22	8/26/2024	1829588	100 Walnut Ave	ROXB	coals dumped into CB	JL Teixeira, T. Williams	Coals	JL TEIXEIRA INVESTIGATED - NO EVIDENCE OF COALS IN ANY CBS AT THIS LOCATION.
23	8/28/2024	1829795	1337 Dorchester Ave	SDOR	grease in CB	JL Teixeira, A. Greenlaw	Grease	JL TEIXEIRA AND A. GREENLAW ON SITE. NO EVIDENCE OF GREASE IN ANY CB. PHOTOS TAKEN AND ATTACHED TO WO.
24	9/21/2024	1818210	122 Beacon St	HYDE	Green dog waste bag in CB	Samir Morris, Eroy Kindell	Fecal	cleaned and disinfected unmarked cb in front of 122 beacon
25	9/22/2024	1833783	96 Highland St	HYDE	Green liquid into CB	Marc Catino	Unknown substance	UPON ARRIVAL CUSTOMER STATES WAS PUMPING OUT POOL TO ET READY FOR WINTER CLOSER
26	9/25/2024	1835228	2450 Beacon St	ALBR	murky water present in stream next to Waterworks Museum	JL Teixeira, C. Talbot, T. Williams	Unknown substance	JL TEIXEIRA, C. TALBOT AND T. WILLIAMS VISITED LOCATION - NO DIRTY WATER IN RIVER UPON ARRIVAL. WATER COMES FROM CULVERT FROM BROOKLINE. INFORMED 311 REQUEST THAT THEY SHOULD REACH OUT TO BROOKLINE FOR INVESTIGATION
27	10/1/2025	1835833	Chatham St & Butler Sq	CENT	electrical oil spill in CB	Terrance Williams	Electrical Oil	JL TEIXEIRA RECEIVED CALL FROM TIGRE AND BOND REGARDING EVERSOURCE VAULT OVERFLOWING OIL INTO STORM DRAIN. UNDERGROUND VAULT WAS BACKING UP WITH OIL AND OVERFLOWING INTO STREET AND INTO BASINS. CONTRACTOR CALLED MADEP AND CLEAN HARBORS AND IS WORKING WITH THEM ON REMEDIATION EFFORTS. AFFECTED OIL TIE L IS CS0060 BEHIND AQUARIUM
28	10/5/2024	1837520	1 Adamson St	ALBR	electrical oil spill in CB	Terrance Williams, Rick McKinnon, A'Said Jamal	Electrical Oil	OIL LEAK COMING FROM A EVERSOURCE CHAMBER ENTERING BWSC MH. OIL PRESENT IN BOTH SANITARY & STORM MHS. 24EMH26 & 24BMH151 AND D18 MHS. TRC ENVIRONMENTAL (LJA AND EVELYN) PLACED BOOMS AT MHS103 AND AROUND OUR CATCH BASINS ON ADAMSO NEAR THE CHAMBER. CLEAN HARBORS WAS VACTORING DOWN CHAMBER TO PREVENT FURTHER INFILTRATION INTO OUR LINES. REPAIR BE MADE BY RILEY BROTHERS. DOWNSTREAM OUTFALL IS LOCATED AT CHARLES RIVER. EVERSOURCE TO CHECK LINES TO PREVENT FURTHER SPILLAGE TO RIVER.
29	11/12/2024	1842654	Dumas St & Willowood St	MATP	paint in CB	Terrance Williams	Paint	CB Cleaned by Contractor
30	12/6/2024	1846613	75 Bay State Road	FEKE	Gas in CB	Kenny Williams	Gas	SAW NO EVIDENCE OF GAS SPILLS INTO CBS IN THE AREA
31	12/12/2024	1847061	160 West Newton St	SEND	Dewatering into CB	Mike Cosby, Brandon Turner	groundwater	told work crew to stop pumping into mh. just groundwater

Table 3-4. Private Infiltration Devices Approved 2024

PROJECT NO	ADDRESS NUMBER	STREET NAME	LOCATION	NEIGHBORHOOD	SIGNATURE DATE	INFILTRATION SYSTEM	INSPECTION DATE	PROJECT STATUS
22063	120-122	HANCOCK ST		NDOR	2/21/2024	MULTIPLE	12/31/2024	ACTIVE
19512	Oct-32	BOWDOIN ST	Mixed Use Development	NDOR	11/20/2023	CULTEC CHAMBER	12/30/2024	ACTIVE
24009	30-40	WESTERN AV	12" BWSC Water main replac	ALBR	7/12/2024	NONE	12/30/2024	ACTIVE
24268	97	TRENTON ST	Exist. water account - 132748	EBOS	10/18/2024	STORMTECH CHAMBERS	12/30/2024	DONE
21540	60	GUEST ST		ALBR	11/14/2024	LEACHING BASIN	12/20/2024	ACTIVE
22049	40	COREY ST		CHAR	4/11/2023	PERFORATED PIPE	12/20/2024	DONE
22239	280	WESTERN AV	4"meter with 3" bypass under	ALBR	8/8/2022	STORMTECH CHAMBERS	12/18/2024	ACTIVE
23183	720-726	EAST FIFTH ST		SBOS	7/13/2023	CULTEC CHAMBER	12/18/2024	ACTIVE
23036	127	AMORY ST		JAPL	11/6/2024	STORMTECH CHAMBERS	12/17/2024	ACTIVE
23237	60	FULLER ST		SDOR	5/6/2024	PERFORATED PIPE	12/17/2024	DONE
17375	16	DELLE AV		JAPL	9/23/2024	STORMTECH CHAMBERS	12/16/2024	DONE
22104	145	HOWARD AV	Exist. water account - 122396	ROXB	4/26/2022	CULTEC CHAMBER	12/13/2024	OH ACAD
23125	100	SCHOOL ST		ROXB	10/20/2023	PERFORATED PIPE	12/12/2024	ACTIVE
16398	150	SEAPORT BLVD	Installed two 4" neptune mete	SBOS	3/21/2023	TANK/INJECTION WELL	12/11/2024	ACTIVE
20001	285	LAMARTINE ST		JAPL	6/21/2022	DRYWELL	12/6/2024	DONE
20439	50	NEW SUDBURY ST		CENT	1/9/2023	CULTEC CHAMBER	12/5/2024	ACTIVE
22366	88	ROCKVIEW ST		JAPL	1/3/2023	STORMTECH CHAMBERS	12/4/2024	DONE
21013	120	WEST FOURTH ST	9 units/commercial. Exist. wa	SBOS	1/7/2022	STORMTECH CHAMBERS	12/3/2024	DONE
21101	249	COREY RD	Exist. water account - 128616	ALBR	10/18/2024	LEACHING BASIN	12/2/2024	ACTIVE
21469	97-101	NEWBURY ST		BBBH	6/8/2022	TANK/INJECTION WELL	11/25/2024	DONE
19362	21-Nov	FENWOOD RD	exist. water account - 200528	JAPL	5/6/2024	CULTEC CHAMBER	11/21/2024	DONE
24046	4459	WASHINGTON ST		ROSL	3/22/2024	CULTEC CHAMBER	11/20/2024	DONE
21326	900	WASHINGTON ST		ROXB	1/24/2024	PERFORATED PIPE	11/19/2024	DONE
21383	9	NEWTON ST		ALBR	2/15/2022	LEACHING BASIN	11/15/2024	DONE
23222	358	MARLBOROUGH ST	Exist. water account - 116065	BBBH	NULL	CULTEC CHAMBER	11/15/2024	OH ACAD
21080	27-Jan	BOSTON WHARF RD		SBOS	10/21/2022	UNKNOWN	11/14/2024	DONE
24073	48	RUTLAND ST	Exist. water account - 117840	SEND	7/1/2024	DRYWELL	11/14/2024	ACTIVE
23078	1	WESTBROOK ST		ALBR	6/7/2023	PERFORATED PIPE	11/13/2024	ACTIVE
23174	234	PARSONS ST		ALBR	3/1/2024	CULTEC CHAMBER	11/8/2024	DONE
23377	109	RUTHERFORD AV		CHAR	11/20/2023	CULTEC CHAMBER	11/7/2024	DONE
19577	400-408	WEST BROADWAY		SBOS	5/23/2023	CULTEC CHAMBER	11/6/2024	DONE
21492	231	EVERETT ST		EBOS	1/29/2024	STORMTECH CHAMBERS	11/6/2024	ACTIVE
24172	38	ALLSTON ST		CHAR	8/7/2024	PERFORATED PIPE	11/6/2024	DONE
17094	106	WEBSTER ST		EBOS	6/1/2017	DRYWELL	11/4/2024	ACTIVE
18430	268	BREMEN ST	EXISTING WATER ACCOUNT-	EBOS	2/11/2019	CULTEC CHAMBER	10/30/2024	DONE
22187	64	HAYNES ST		EBOS	8/8/2022	STORMTECH CHAMBERS	10/30/2024	DONE
23094	272	EAST EAGLE ST	Exist. water account - 132551	EBOS	8/16/2024	CULTEC CHAMBER	10/30/2024	DONE
18375	65	LIVERPOOL ST		EBOS	10/10/2023	NONE	10/29/2024	DONE
22275	86	SAINT BOTOLPH ST	Exist. water account - 114152	BBBH	10/3/2022	CULTEC CHAMBER	10/29/2024	DONE
23474	63	WELD HILL ST		ROSL	7/8/2024	CULTEC CHAMBER	10/29/2024	DONE
18213	93-101	CLARKSON ST	exist. water account - 460410	NDOR	7/29/2024	CULTEC CHAMBER	10/23/2024	DONE
20295	345-349	BAKER ST	2 Existing water accounts - 13	WROX	4/25/2023	STORMTECH CHAMBERS	10/23/2024	DONE
20335	8-Apr	FRANKLIN ST	Exist. water account - 200576	ALBR	12/8/2023	STORMTANK	10/23/2024	DONE
21249	832	EAST THIRD ST		SBOS	6/26/2021	STORMTECH CHAMBERS	10/23/2024	DONE
22054	11	SENATOR BOLLING CIR		MATP	6/21/2022	PERFORATED PIPE	10/23/2024	DONE
22188	46	WEST CEDAR ST		BBBH	8/15/2023	DRYWELL	10/23/2024	DONE
22329	62	HAYNES ST	Four unit building Exist. water	EBOS	11/3/2022	STORMTECH CHAMBERS	10/23/2024	DONE
22421	25	GOVE ST	Exist. water account - 135692	EBOS	7/14/2023	LEACHING BASIN	10/23/2024	DONE
23273	251-255	WEST THIRD ST		SBOS	3/11/2024	CULTEC CHAMBER	10/23/2024	DONE
23401	1917	WASHINGTON ST	3-17 Ball St	SEND	3/26/2024	PERFORATED PIPE	10/23/2024	DONE
23427	181-183	FULLER ST		SDOR	11/28/2023	CULTEC CHAMBER	10/23/2024	DONE
21041	75	G ST	5 units building exist. water a	SBOS	8/21/2023	DRYWELL	10/22/2024	DONE
23285	4A	ADAMS ST		HYDE	10/16/2023	CULTEC CHAMBER	10/22/2024	DONE
23011	6	CAROL AV		ALBR	NULL	CULTEC CHAMBER	10/16/2024	DONE
22218	128	HAMILTON ST	9 Unit building	SDOR	10/13/2023	STORMTECH CHAMBERS	10/15/2024	DONE
23197	46	MONTGOMERY ST	Exist. water account - 112441	SEND	7/14/2023	CULTEC CHAMBER	10/15/2024	DONE
22107	10	ROCKLAND ST		ROXB	5/16/2022	PERFORATED PIPE	10/11/2024	OH ACAD
23092	518	PARK ST	Exist. water account - 150359	SDOR	4/29/2024	LEACHING BASIN	10/11/2024	DONE
23463	129	B ST	Exist. Water Acc #1143072	SBOS	1/29/2024	CULTEC CHAMBER	10/11/2024	DONE
21442	7	VICTORIA ST	Exist. water account - 143763	NDOR	11/9/2021	LEACHING BASIN	10/10/2024	DONE
22020	47	SUMNER ST	Exist. water account - 140399	NDOR	3/1/2022	STORMTECH CHAMBERS	10/10/2024	DONE
23195	224-226	WEST NINTH ST		SBOS	NULL	CULTEC CHAMBER	10/9/2024	DONE
23267	176	SALEM ST	Exist. water account - 110448	CENT	8/21/2023	CULTEC CHAMBER	10/9/2024	DONE
23113	410	WASHINGTON ST		SDOR	11/18/2024	MULTIPLE	10/7/2024	DONE
21012	215	BORDER ST	Site plan says 40 William Kell	EBOS	4/9/2021	STORMTECH CHAMBERS	10/2/2024	DONE
21274	32	ORLEANS ST	exist. water account - 113568	EBOS	9/3/2021	STORMTECH CHAMBERS	10/2/2024	OH ACAD
23356	241-243	NEPONSET AV	Four duplex units Exist. water	HYDE	11/29/2023	CULTEC CHAMBER	10/2/2024	DONE
24072	32	SAINT STEPHEN ST	Exist. water account - 113240	FEKE	4/4/2024	CULTEC CHAMBER	10/2/2024	DONE
22122	23	ARCADIA ST		ROXB	6/23/2022	LEACHING BASIN	10/1/2024	DONE
23191	944	EAST BROADWAY		SBOS	8/9/2023	CULTEC CHAMBER	10/1/2024	DONE
19589	1854	DORCHESTER AV		NDOR	1/15/2020	DRYWELL	9/25/2024	OH ACAD
22375	1449-1453	HYDE PARK AV	Exist. water acc. - 1581426 (1	HYDE	11/21/2022	CULTEC CHAMBER	9/25/2024	OH ACAD
22320	3936	WASHINGTON ST	Exist. water account - 161893	ROSL	NULL	STORMTECH CHAMBERS	9/23/2024	OH ACAD
23369	23	REGIS RD		MATP	9/25/2023	CULTEC CHAMBER	9/23/2024	DONE
22445	12	ALLANDALE ST	LOT 2A	WROX	2/6/2023	CULTEC CHAMBER	9/19/2024	OH ACAD
22140	365	WESTERN AV		ALBR	6/13/2024	CULTEC CHAMBER	9/18/2024	DONE
22446	4	BROWNSON TER	Lot 2B	WROX	NULL	CULTEC CHAMBER	9/18/2024	DONE

Table 3-4. Private Infiltration Devices Approved 2024

PROJECT NO	ADDRESS NUMBER	STREET NAME	LOCATION	NEIGHBORHOOD	SIGNATURE DATE	INFILTRATION SYSTEM	INSPECTION DATE	PROJECT STATUS
22447	2	BROWNSON TER	Lot 1A	WROX	2/24/2023	CULTEC CHAMBER	9/18/2024	DONE
18559	28	FENWAY		FEKE	12/11/2019	LEACHING BASIN	9/17/2024	DONE
21184	751-753	EAST FIFTH ST		SBOS	NULL	CULTEC CHAMBER	9/16/2024	DONE
23438	566	EAST THIRD ST	Exist. Water Acc #1371090	SBOS	7/30/2024	STORMTECH CHAMBERS	9/12/2024	DONE
22362	51	MELCHER ST		SBOS	11/16/2023	LEACHING BASIN	9/11/2024	ACTIVE
23053	20	GAYLORD ST		SDOR	4/20/2023	PERFORATED PIPE	9/11/2024	DONE
22119	68	LIVERPOOL ST	Six Unit Building	EBOS	10/11/2022	PERFORATED PIPE	9/10/2024	DONE
22148	59	CHELLMAN ST	Exist. water account - 130666	WROX	4/22/2022	CULTEC CHAMBER	9/9/2024	DONE
24114	1121	HARRISON AV	Near Renfrow St	ROXB	5/9/2024	NONE	9/5/2024	ACTIVE
20278	288	CHESTNUT HILL AV	exist. water account - 128902	ALBR	11/23/2020	NONE	9/4/2024	OH ACAD
20462	121-155	SHERMAN RD	Water and sewer to be provided	WROX	2/7/2022	CULTEC CHAMBER	9/4/2024	ACTIVE
21099	78	TYLER ST	8 Units Exist. water account -	CENT	12/29/2022	CULTEC CHAMBER	8/30/2024	DONE
22180	122	BIRCH ST		ROSL	12/26/2023	CULTEC CHAMBER	8/30/2024	DONE
17417	18-22	HAWLAND ST		FEKE	7/17/2018	PERFORATED PIPE	8/27/2024	DONE
23243	18-20	PARKMAN ST	6 Unit building Exist. water ac	SDOR	10/31/2023	LEACHING BASIN	8/27/2024	ACTIVE
23090	439	CHELSEA ST		EBOS	NULL	STORMTECH CHAMBERS	8/26/2024	DONE
23158	437	CHELSEA ST		EBOS	NULL	STORMTECH CHAMBERS	8/26/2024	DONE
20497	116	MOORE ST		EBOS	5/4/2021	LEACHING BASIN	8/23/2024	DONE
20520	43	GEORGIA ST		ROXB	5/20/2021	STORMTECH CHAMBERS	8/23/2024	ACTIVE
23032	92	SEATTLE ST		ALBR	7/9/2024	NONE	8/23/2024	DONE
24051	309	ADAMS ST	Exist. water account - 126140	SDOR	2/21/2024	CULTEC CHAMBER	8/22/2024	DONE
21039	120	EMERSON ST	Exist. water account - 137221	SBOS	5/6/2024	DRYWELL	8/21/2024	DONE
23093	191	MAIN ST	Exist. water account - 135101	CHAR	5/8/2023	CULTEC CHAMBER	8/21/2024	DONE
23126	66	WAVERLY ST	Using existing water account	ALBR	11/1/2023	CULTEC CHAMBER	8/21/2024	DONE
21321	6	STARLING ST		WROX	9/7/2021	CULTEC CHAMBER	8/20/2024	DONE
21581	9	STARLING ST		WROX	1/13/2022	STORMTECH CHAMBERS	8/20/2024	DONE
22312	28	WALKER ST	Cut and cap Only	CHAR	8/7/2024	NONE	8/20/2024	DONE
23052	22	GAYLORD ST	Exist. water account - 126385	SDOR	NULL	PERFORATED PIPE	8/20/2024	OH ACAD
24029	415	POPLAR ST		ROSL	3/12/2024	STORMTECH CHAMBERS	8/20/2024	ACTIVE
21512	55	ANTWERP ST		ALBR	8/23/2023	CULTEC CHAMBER	8/19/2024	DONE
22113	1088	SARATOGA ST	Four unit building Exist. water	EBOS	7/6/2022	STORMTECH CHAMBERS	8/19/2024	DONE
22316	28	WALKER ST	Existing water account - 1137	CHAR	2/21/2024	PERFORATED PIPE	8/19/2024	DONE
23481	665	EAST SEVENTH ST	Exist. water account - 138908	SBOS	3/19/2024	STORMTECH CHAMBERS	8/19/2024	DONE
18061	25-27	HILLSBORO ST		NDOR	8/12/2019	CULTEC CHAMBER	8/16/2024	DONE
22437	1644	DORCHESTER AV	Eight Unit Building Exist. water	SDOR	9/26/2023	STORMTECH CHAMBERS	8/15/2024	DONE
23252	653	EAST SIXTH ST	Existing water account - 1381	SBOS	8/1/2024	STORMTECH CHAMBERS	8/15/2024	DONE
23128	118 R	HOMES AV		SDOR	7/28/2023	LEACHING BASIN	8/14/2024	DONE
22022	142	P ST		SBOS	9/15/2022	STORMTECH CHAMBERS	8/13/2024	DONE
21262	44	WINTER ST		NDOR	10/11/2022	LEACHING BASIN	8/12/2024	DONE
21433	35 - 43	BRAINTREE ST	Exist. water account - 130916	ALBR	11/3/2021	LEACHING BASIN	8/12/2024	DONE
22464	109	READVILLE ST	Lot 1 Exist. water account - 1	HYDE	NULL	CULTEC CHAMBER	8/12/2024	OH ACAD
18373	201	NORTH ST		CENT	11/20/2023	NONE	8/7/2024	ACTIVE
23445	543	EAST SEVENTH ST	Existing Water Acc. #139059	SBOS	12/1/2023	CULTEC CHAMBER	8/7/2024	DONE
19277	101A	MORRIS ST		EBOS	11/12/2019	DRYWELL	8/6/2024	DONE
23203	204	I ST		SBOS	10/31/2023	UNKNOWN	8/5/2024	DONE
18232	5205	WASHINGTON ST		WROX	7/12/2022	CULTEC CHAMBER	8/2/2024	DONE
21385	1515	COMMONWEALTH AV		BBBH	3/16/2022	STORMTECH CHAMBERS	7/31/2024	DONE
23001	304	BEACON ST		CENT	1/3/2023	DRYWELL	7/31/2024	DONE
22369	21	ALVESTON ST		JAPL	11/22/2022	CULTEC CHAMBER	7/30/2024	DONE
21409	324	WEST BROADWAY	10 unit building	SBOS	12/30/2021	STORMTECH CHAMBERS	7/29/2024	DONE
18348	40	WILCOCK ST		MATP	9/19/2018	CULTEC CHAMBER	7/26/2024	DONE
18349	48	WILCOCK ST		MATP	9/19/2018	CULTEC CHAMBER	7/26/2024	DONE
22274	420	RUTHERFORD AV		CHAR	8/11/2023	PERFORATED PIPE	7/25/2024	DONE
19522	200	SEAPORT BLVD		SBOS	9/4/2020	NONE	7/22/2024	DONE
21602	190-190A	SALEM ST	Exist. water account - 110452	CENT	7/30/2024	CULTEC CHAMBER	7/22/2024	DONE
20521	49	GEORGIA ST	existing water account - 1210	ROXB	6/17/2021	STORMTECH CHAMBERS	7/17/2024	OH ACAD
22046	82-82A	BUNKER HILL ST	Exist. water account - 134671	CHAR	2/24/2022	CULTEC CHAMBER	7/17/2024	DONE
23020	449-451	WESTERN AV	Garden Center Exist. water ac	ALBR	2/21/2024	CULTEC CHAMBER	7/15/2024	DONE
20015	31	SENATOR BOLLING CIR		MATP	2/26/2020	PERFORATED PIPE	7/12/2024	DONE
20016	41	SENATOR BOLLING CIR		MATP	4/15/2020	PERFORATED PIPE	7/12/2024	DONE
21546	169	NEWBURY ST	Exist. water account - 116380	FEKE	12/3/2021	CULTEC CHAMBER	7/11/2024	DONE
22048	27	SENATOR BOLLING CIR		MATP	9/29/2022	PERFORATED PIPE	7/9/2024	DONE
23225	230	TREMONT ST	Residential and Commercial	CENT	7/17/2023	NONE	6/27/2024	DONE
20107	100	WHITE ST	exist. water account - 135984	EBOS	7/20/2020	DRYWELL	6/26/2024	DONE
20490	43	WOOD AV		HYDE	3/15/2021	CULTEC CHAMBER	6/26/2024	OH ACAD
16220	232-234	FRIEND ST		CENT	5/13/2021	CULTEC CHAMBER	6/25/2024	DONE
20230	18	MIDLAND ST	exist. water account - 122705	NDOR	6/24/2020	STORMTECH CHAMBERS	6/25/2024	DONE
21166	2	HARBOR ST	New 15" drain (private) and ne	SBOS	7/19/2022	NONE	6/25/2024	ACTIVE
21254	2	HARBOR ST	4" water meter with 3" bypass	SBOS	1/8/2024	STORMTECH CHAMBERS	6/24/2024	ACTIVE
21415	43	STILLMAN ST		CENT	5/23/2023	CULTEC CHAMBER	6/21/2024	DONE
23354	143	TREMONT ST	5 Units Exist. water account -	ALBR	4/16/2024	STORMTECH CHAMBERS	6/21/2024	DONE
19506	1001	BOYLSTON ST	1001 Boylston Street 408 New	BBBH	6/14/2021	MULTIPLE	6/20/2024	DONE
21564	1778	COLUMBIA RD		SBOS	10/24/2022	DRYWELL	6/20/2024	DONE
22089	15-17	HOWE ST	Vacant Parcel	NDOR	7/6/2022	CULTEC CHAMBER	6/18/2024	DONE
20264	87	MARION ST	Exist. water account - 132951	EBOS	4/1/2022	NONE	6/14/2024	ACTIVE
21193	58-60	BURBANK ST	Exist. water account - 133006	FEKE	10/30/2023	DRYWELL	6/14/2024	DONE
23155	148	FALCON ST		EBOS	6/20/2023	STORMTECH CHAMBERS	6/13/2024	DONE

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19191	118-120	MARCELLA ST		ROXB	5/26/2021	PERFORATED PIPE	6/12/2024	DONE
23100	4	ASHMONT PARK	Exist. water account - 149312	SDOR	4/20/2023	LEACHING BASIN	6/12/2024	DONE
23115	6	ASHMONT PARK		SDOR	4/20/2023	LEACHING BASIN	6/12/2024	DONE
22359	1813-1815	RIVER ST		HYDE	11/28/2022	CULTEC CHAMBER	6/10/2024	ACTIVE
23344	49	LEDGE HILL RD	Exist. water account - 165615	WROX	9/25/2023	CULTEC CHAMBER	6/10/2024	OH ACAD
21339	69	HOUGHTON ST		SDOR	8/16/2021	STORMTECH CHAMBERS	6/6/2024	DONE
22384	157	PRINCETON ST	Exist. water account - 111981	EBOS	3/10/2023	STORMTECH CHAMBERS	6/6/2024	DONE
23179	621	EAST EIGHTH ST	Four unit building Exist. water	SBOS	7/27/2023	STORMTECH CHAMBERS	6/4/2024	OH ACAD
21185	159 - 165	EVERETT ST	Exist. water account - 131426	EBOS	6/14/2021	STORMTECH CHAMBERS	5/31/2024	DONE
17582	331	COLUMBIA RD		SDOR	1/12/2018	STORMTECH CHAMBERS	5/29/2024	DONE
20308	36	WESTMORELAND ST		SDOR	11/2/2020	CULTEC CHAMBER	5/29/2024	DONE
22065	8	MONUMENT SQ	Exist. water account - 134692	CHAR	2/7/2023	CULTEC CHAMBER	5/29/2024	DONE
23118	70	SHAWSEEN RD		EBOS	8/10/2023	MULTIPLE	5/29/2024	DONE
22068	11	MCLELLAN ST		ROXB	8/4/2023	CULTEC CHAMBER	5/24/2024	DONE
22357	121	WARREN AV	Exist. water account - 136822	SEND	2/2/2023	CULTEC CHAMBER	5/22/2024	DONE
20366	58	RIVER ST	12 unit building exist. water a	MATP	NULL	MULTIPLE	5/21/2024	DONE
22309	104	JAMAICA ST	Exist. water account - 142790	JAPL	11/16/2022	STORMTECH CHAMBERS	5/21/2024	DONE
23339	13	BELLEVUE HILL RD		WROX	9/22/2023	CULTEC CHAMBER	5/21/2024	DONE
18165	4281-4283	WASHINGTON ST	proposed 12 unit building wa	ROSL	5/24/2018	CULTEC CHAMBER	5/17/2024	DONE
18371	9	BRAMMS ST		ROSL	10/3/2018	CULTEC CHAMBER	5/17/2024	DONE
20460	43	WITHINGTON ST	Exist. water account - 150656	SDOR	9/1/2023	STORMTECH CHAMBERS	5/15/2024	DONE
23235	507	MASSACHUSETTS AV	Exist. water account - 119415	BBBH	9/6/2023	STORMTECH CHAMBERS	5/13/2024	DONE
22289	47	CONDOR ST	7 unit building (3 Story Bldg.)	EBOS	3/28/2023	CULTEC CHAMBER	5/9/2024	DONE
20359	56	EVERETT ST		ALBR	9/25/2023	LEACHING BASIN	5/6/2024	DONE
23244	176	SCHOOL ST	Exist. water account - 123592	ROXB	7/27/2023	STORMTECH CHAMBERS	5/6/2024	DONE
20392	387-397	DUDLEY ST	exist. water account - 117446	NDOR	1/18/2022	CULTEC CHAMBER	5/2/2024	DONE
23167	15	RAYMOND ST		ALBR	NULL	MULTIPLE	5/2/2024	DONE
22114	35	AVALON RD	Street numbering form submi	WROX	3/7/2024	CULTEC CHAMBER	5/1/2024	ACTIVE
20217	843	EAST FIFTH ST		SBOS	9/15/2020	CULTEC CHAMBER	4/29/2024	DONE
23208	73	GREEN ST	Exist. water account - 112335	CHAR	9/18/2023	STORMTECH CHAMBERS	4/29/2024	DONE
20221	10	MCBRIDE ST		JAPL	6/10/2021	CULTEC CHAMBER	4/26/2024	OH ACAD
22069	41	ALABAMA ST		MATP	4/22/2022	STORMTECH CHAMBERS	4/25/2024	DONE
23221	15	EDEN ST	Exist. water account - 135300	CHAR	7/27/2023	DRYWELL	4/25/2024	DONE
21250	133	BOARDMAN ST	7 Units apartment building Ex	EBOS	3/22/2024	STORMTECH CHAMBERS	4/24/2024	DONE
23043	137	FALCON ST	Existing water account - 1325	EBOS	3/3/2023	STORMTECH CHAMBERS	4/24/2024	DONE
22438	130	BREMEN ST	Exist. water account - 131665	EBOS	1/25/2023	CULTEC CHAMBER	4/23/2024	DONE
17545	5	ADAMS ST	exist. water account - 348088	CHAR	12/22/2017	STORMTECH CHAMBERS	4/22/2024	DONE
22139	44	ELLERY ST	Exist. water account - 114751	SBOS	12/29/2022	LEACHING BASIN	4/22/2024	DONE
22294	145	SUTHERLAND RD	Exist. water account - 128738	ALBR	NULL	NONE	4/22/2024	DONE
22295	103-105	HOOKER ST	Exist. water account - 170062	ALBR	8/21/2023	STORMTECH CHAMBERS	4/19/2024	DONE
22308	9-Jul	NEWBURY ST		BBBH	6/16/2023	PERFORATED PIPE	4/19/2024	DONE
22368	17	ALVESTON ST	Exist. water account - 127932	JAPL	11/22/2022	CULTEC CHAMBER	4/19/2024	ACTIVE
23050	30	UNDINE RD		ALBR	12/15/2023	STORMTECH CHAMBERS	4/18/2024	DONE
20485	222	COMMONWEALTH AV		BBBH	3/8/2021	CULTEC CHAMBER	4/16/2024	DONE
21253	2	HARBOR ST	CUT AND CAP PLAN	SBOS	7/29/2021	NONE	4/16/2024	DONE
22284	238-240	COMMONWEALTH AV		BBBH	1/12/2023	LEACHING BASIN	4/16/2024	DONE
22396	844	EAST THIRD ST	Existing water account - 1371	SBOS	1/11/2023	STORMTECH CHAMBERS	4/16/2024	DONE
22469	64	TOLMAN ST	9 Units Existing water account	SDOR	1/25/2023	CULTEC CHAMBER	4/16/2024	DONE
23220	54	ROGERS ST	Exist. water account - 140060	SBOS	7/14/2023	CULTEC CHAMBER	4/16/2024	DONE
24087	32	MALCOLM RD	Exist. water account - 161190	JAPL	10/4/2024	CULTEC CHAMBER	4/16/2024	ACTIVE
21043	10	GENEVA ST		EBOS	8/23/2021	CULTEC CHAMBER	4/12/2024	OH ACAD
21144	41	MOUNT VERNON ST	Exist. water account - 134716	CHAR	6/7/2023	STORMTECH CHAMBERS	4/12/2024	DONE
23178	280-282	SUMNER ST		EBOS	9/1/2023	LEACHING BASIN	4/12/2024	DONE
20456	15	EVERETT ST	exist. water account - 130221	ALBR	3/8/2021	NONE	4/10/2024	OH ACAD
22332	150	AMERICAN LEGION HWY	Cut and Cap plan only	HYDE	12/29/2022	NONE	4/10/2024	DONE
22363	150	AMERICAN LEGION HIGHWAY RAMP		MATP	NULL	PERFORATED PIPE	4/10/2024	DONE
22262	1	FAIRFIELD ST		BBBH	NULL	STORMTECH CHAMBERS	4/9/2024	DONE
21006	350	SUMMER ST		CENT	10/4/2023	MULTIPLE	4/8/2024	ACTIVE
19417	175	IPSWICH ST		FEKE	4/6/2022	LEACHING BASIN	4/3/2024	ACTIVE
20028	175	IPSWICH ST		FEKE	1/30/2020	NONE	4/3/2024	DONE
20390	204-208	HAMPDEN ST	Exist. water account to remain	ROXB	11/30/2020	CULTEC CHAMBER	4/1/2024	DONE
22098	16	TABER ST	Six story mixed retail and con	ROXB	5/11/2023	STORMTECH CHAMBERS	4/1/2024	OH ACAD
23124	577	MASSACHUSETTS AV		SEND	4/10/2023	PERFORATED PIPE	4/1/2024	DONE
22047	24	SENATOR BOLLING CIR		MATP	5/2/2022	PERFORATED PIPE	3/26/2024	DONE
21513	50-58	INDUSTRIAL DR		HYDE	3/31/2022	LEACHING BASIN	3/22/2024	ACTIVE
21060	717-725	AMERICAN LEGION HWY	Exist. water account - 158325	ROSL	6/2/2022	CULTEC CHAMBER	3/21/2024	DONE
21204	21	GLEN RD	14 units	JAPL	9/3/2021	STORMTECH CHAMBERS	3/20/2024	OH ACAD
16486	15	NECCO ST		SBOS	3/20/2017	MULTIPLE	3/18/2024	ACTIVE
17026	4945	WASHINGTON ST		WROX	12/11/2018	LEACHING BASIN	3/17/2024	DONE
19372	127	TREMONT ST		CENT	3/19/2021	GREENROOF	3/14/2024	DONE
19229	72	BURBANK ST	32 unit residential building 5	FEKE	4/12/2022	CULTEC CHAMBER	3/13/2024	DONE
20547	21	SHEPARD ST	exist. water account - 172654	ALBR	1/27/2021	CULTEC CHAMBER	3/13/2024	DONE
22177	1395	WASHINGTON ST	Eliminating the 3 existing wat	CENT	3/22/2024	LEACHING BASIN	3/13/2024	ACTIVE
22154	388	ATHENS ST		SBOS	8/12/2022	CULTEC CHAMBER	3/12/2024	DONE
22235	67	REVERE ST	Existing water account - 1150	BBBH	8/15/2023	PERFORATED PIPE	3/12/2024	DONE
20532	294	PRINCETON ST	exist. water account - 133052	EBOS	1/27/2021	STORMTECH CHAMBERS	3/11/2024	DONE
18576	78	HALF MOON ST		ROXB	10/20/2020	CULTEC CHAMBER	3/8/2024	DONE

Table 3-4. Private Infiltration Devices Approved 2024

PROJECT NO	ADDRESS NUMBER	STREET NAME	LOCATION	NEIGHBORHOOD	SIGNATURE DATE	INFILTRATION SYSTEM	INSPECTION DATE	PROJECT STATUS
22358	1811	RIVER ST		HYDE	11/28/2022	CULTEC CHAMBER	3/8/2024	ACTIVE
22458	15-17	FOWLER ST		ROXB	1/11/2023	STORMTECH CHAMBERS	3/8/2024	DONE
18575	7A	HALF MOON ST		ROXB	10/20/2020	CULTEC CHAMBER	3/7/2024	DONE
19348	21	MAGNOLIA ST		ROXB	10/20/2020	CULTEC CHAMBER	3/7/2024	DONE
19349	8	WOODFORD ST		ROXB	10/20/2020	CULTEC CHAMBER	3/7/2024	DONE
22291	152	WEST THIRD ST		SBOS	9/21/2022	CULTEC CHAMBER	3/7/2024	DONE
23379	40	LAKE ST	Phase One Exist. water accou	ALBR	12/12/2023	NONE	3/7/2024	DONE
20342	63	NAHANT AV		SDOR	6/24/2022	CULTEC CHAMBER	3/6/2024	ACTIVE
22161	23	BENNINGTON ST		EBOS	6/2/2022	STORMTECH CHAMBERS	3/6/2024	DONE
22463	143	EAST COTTAGE ST	Exist. water account - 140576	NDOR	1/17/2023	NONE	3/6/2024	DONE
22478	22	DRY DOCK AV		SBOS	9/1/2023	NONE	3/6/2024	DONE
20544	25	BENTLEY ST	Exist. water account - 129715	ALBR	1/25/2023	STORMTECH CHAMBERS	3/5/2024	DONE
20307	105	WASHINGTON ST	Phase 3	ALBR	3/23/2021	MULTIPLE	3/4/2024	DONE
22215	437	FRANKFORT ST		EBOS	7/1/2022	DRYWELL	3/4/2024	DONE
21210	17-19	DRY DOCK AV	Exist. water account - 111026	SBOS	10/20/2021	NONE	2/27/2024	ACTIVE
22418	490	BENNINGTON ST	Existing water account - 1332	EBOS	2/8/2024	LEACHING BASIN	2/27/2024	ACTIVE
22431	107	ENDICOTT ST	Exist. water account - 110331	CENT	12/29/2022	STORMTECH CHAMBERS	2/27/2024	DONE
21102	593	EAST SIXTH ST	exist. water account - 138889	SBOS	11/24/2021	LEACHING BASIN	2/23/2024	DONE
21407	23	FID KENNEDY AV	For cut and cap plan see site	SBOS	NULL	STORMTECH CHAMBERS	2/22/2024	DONE
16334	6	BURTON AV		ROXB	4/26/2022	STORMTECH CHAMBERS	2/16/2024	DONE
17220	387-391	SUMNER ST		EBOS	3/17/2021	STORMTECH CHAMBERS	2/16/2024	DONE
22036	16	BAKER CT	Exist. water account - 114923	NDOR	7/28/2022	PERFORATED PIPE	2/16/2024	DONE
22479	48	MONTGOMERY ST		SEND	2/8/2023	CULTEC CHAMBER	2/16/2024	DONE
22150	150	WILLIAM T MORRISSEY BLVD		NDOR	5/27/2022	STORMTECH CHAMBERS	2/15/2024	DONE
23209	15	BARTLETT PL	Four unit building Exist. water	CENT	7/5/2023	LEACHING BASIN	2/12/2024	DONE
20387	65	FALCON ST		EBOS	4/12/2022	STORMTECH CHAMBERS	2/7/2024	ACTIVE
20531	201	WASHINGTON ST		ALBR	3/8/2021	STORMTANK	2/7/2024	DONE
22057	9	MONUMENT SQ	Exist. water account - 134693	CHAR	2/24/2023	CULTEC CHAMBER	2/6/2024	DONE
20099	658-660	EAST BROADWAY	exist. water account - 114401	SBOS	4/23/2020	STORMTECH CHAMBERS	2/5/2024	DONE
20172	7	WOODVILLE ST		ROXB	6/15/2022	DRYWELL	2/5/2024	DONE
18339	181-183	COLERIDGE ST		EBOS	5/2/2022	STORMTANK	2/2/2024	ACTIVE
21539	289	WALK HILL ST	Water account - ??? 4 Story	ROSL	5/2/2022	LEACHING BASIN	1/30/2024	DONE
22111	146	COMMONWEALTH AV	Exist. water account - 116323	ALBR	10/3/2022	CULTEC CHAMBER	1/30/2024	DONE
19273	36	GOODALE RD		MATP	10/25/2019	LEACHING BASIN	1/29/2024	ACTIVE
19376	63	VIOLET ST		MATP	12/3/2020	LEACHING BASIN	1/29/2024	DONE
19404	65	VIOLET ST		MATP	11/6/2020	LEACHING BASIN	1/29/2024	ACTIVE
20400	143	WASHINGTON ST		ALBR	6/8/2021	PERFORATED PIPE	1/29/2024	DONE
21595	9	EVERETT ST		ALBR	3/15/2022	STORMTECH CHAMBERS	1/29/2024	DONE
22134	43	FARNSWORTH ST		SBOS	2/15/2024	LEACHING BASIN	1/29/2024	DONE
23353	20-22	MYRTLE ST	Exist. water account - 115193	JAPL	10/31/2023	NONE	1/29/2024	ACTIVE
20196	187-191	SUMNER ST	42 unit apartment/ 7 floor	EBOS	9/24/2020	CULTEC CHAMBER	1/25/2024	ACTIVE
22216	24-26	FERRIN ST	Four unit building Existing wa	CHAR	7/1/2022	CULTEC CHAMBER	1/25/2024	DONE
23177	156	HILLSIDE ST	3 unit building w/ a commerc	JAPL	8/3/2023	CULTEC CHAMBER	1/25/2024	DONE
21026	48	GENEVA ST		EBOS	3/9/2023	STORMTECH CHAMBERS	1/23/2024	DONE
21279	97	CALL ST		JAPL	10/20/2021	STORMTECH CHAMBERS	1/22/2024	DONE
21465	55-115	HAMPDEN ST	Exist. water account - 119011	ROXB	2/2/2023	LEACHING BASIN	1/22/2024	DONE
23044	183	MAVERICK ST	Exist. water account - 113596	EBOS	3/14/2023	STORMTECH CHAMBERS	1/22/2024	DONE
23162	67-71	WEST CEDAR ST	Exist. water account - 115071	BBBH	9/18/2023	CULTEC CHAMBER	1/22/2024	DONE
17527	119	NEPONSET AV	Exist. water Account no. - 382	HYDE	3/18/2020	DRYWELL	1/19/2024	DONE
18028	121	NEPONSET AV		HYDE	2/19/2020	DRYWELL	1/19/2024	DONE
20159	134	POPLAR ST	Exist. water account - 162600	HYDE	7/13/2023	STORMTECH CHAMBERS	1/19/2024	DONE
22077	5	RICE ST	Exist. water account - 147472	SDOR	3/14/2022	CULTEC CHAMBER	1/19/2024	OH ACAD
21370	426	STUART ST		CENT	3/14/2022	TANK/INJECTION WELL	1/17/2024	ACTIVE
21591	14	NORTH BENNET ST		CENT	4/12/2022	PERFORATED PIPE	1/17/2024	DONE
22027	8	OAKHURST ST		MATP	2/22/2022	STORMTECH CHAMBERS	1/17/2024	DONE
22344	74	BURT ST	Exist. water account - 151989	SDOR	11/10/2022	STORMTECH CHAMBERS	1/17/2024	DONE
22422	21	JONES AV		MATP	12/20/2022	STORMTECH CHAMBERS	1/17/2024	ACTIVE
23012	12	CAROL AV		ALBR	11/7/2023	NONE	1/17/2024	OH ACAD
23013	10	CAROL AV		ALBR	NULL	NONE	1/17/2024	OH ACAD
21158	152	TRENTON ST	Exist. water account - 132787	EBOS	5/26/2021	CULTEC CHAMBER	1/11/2024	OH ACAD
18507	175	GOVE ST	5 story building 8 units (16 be	EBOS	12/19/2018	DRYWELL	1/10/2024	DONE
21328	32	PEARL ST	Exist. water account - 143783	NDOR	8/4/2021	STORMTECH CHAMBERS	1/10/2024	OH ACAD
21069	581	AMERICAN LEGION HWY	Exist. water account - 158239	ROSL	10/14/2022	STORMTECH CHAMBERS	1/9/2024	ACTIVE
22038	24	BRADSHAW ST		ROXB	12/21/2022	STORMTECH CHAMBERS	1/9/2024	DONE
20405	55	BARTLETT STATION DR	50 apartments with 54 bedroo	ROXB	11/30/2020	CULTEC CHAMBER	1/5/2024	ACTIVE
21547	246	NEWBURY ST	Exist. water account - 116459	FEKE	12/3/2021	CULTEC CHAMBER	1/4/2024	DONE
22074	25	SACHEM ST		JAPL	5/2/2022	STORMTECH CHAMBERS	1/4/2024	ACTIVE
20524	10-Feb	MAVERICK SQ		EBOS	6/11/2021	STORMTECH CHAMBERS	1/3/2024	DONE
19344	152	MOUNT VERNON ST	exist. water account - 153334	BBBH	12/10/2019	PERFORATED PIPE	1/2/2024	DONE
21066	440	FREEMONT ST		SDOR	11/30/2022	MULTIPLE	1/2/2024	ACTIVE

Table 3-5. Private Grit Chambers Approved 2024

PROJECT NO	ADDRESS	STREET NAME	LOCATION	NEIGHBORHOOD	GRIT CHAMBER	SIGNATURE DATE	INSPECTION DATE
19506	1001	BOYLSTON ST	1001 Boylston Street 408 Newbury Street	BBBH	YES	6/14/2021	6/20/2024
19522	200	SEAPORT BLVD		SBOS	YES	9/4/2020	7/22/2024
20217	843	EAST FIFTH ST		SBOS	YES	9/15/2020	4/29/2024
21262	44	WINTER ST		NDOR	YES	10/11/2022	8/12/2024
21385	1515	COMMONWEALTH AV		BBBH	YES	3/16/2022	7/31/2024
22049	40	COREY ST		CHAR	YES	4/11/2023	12/20/2024
22274	420	RUTHERFORD AV		CHAR	YES	8/11/2023	7/25/2024

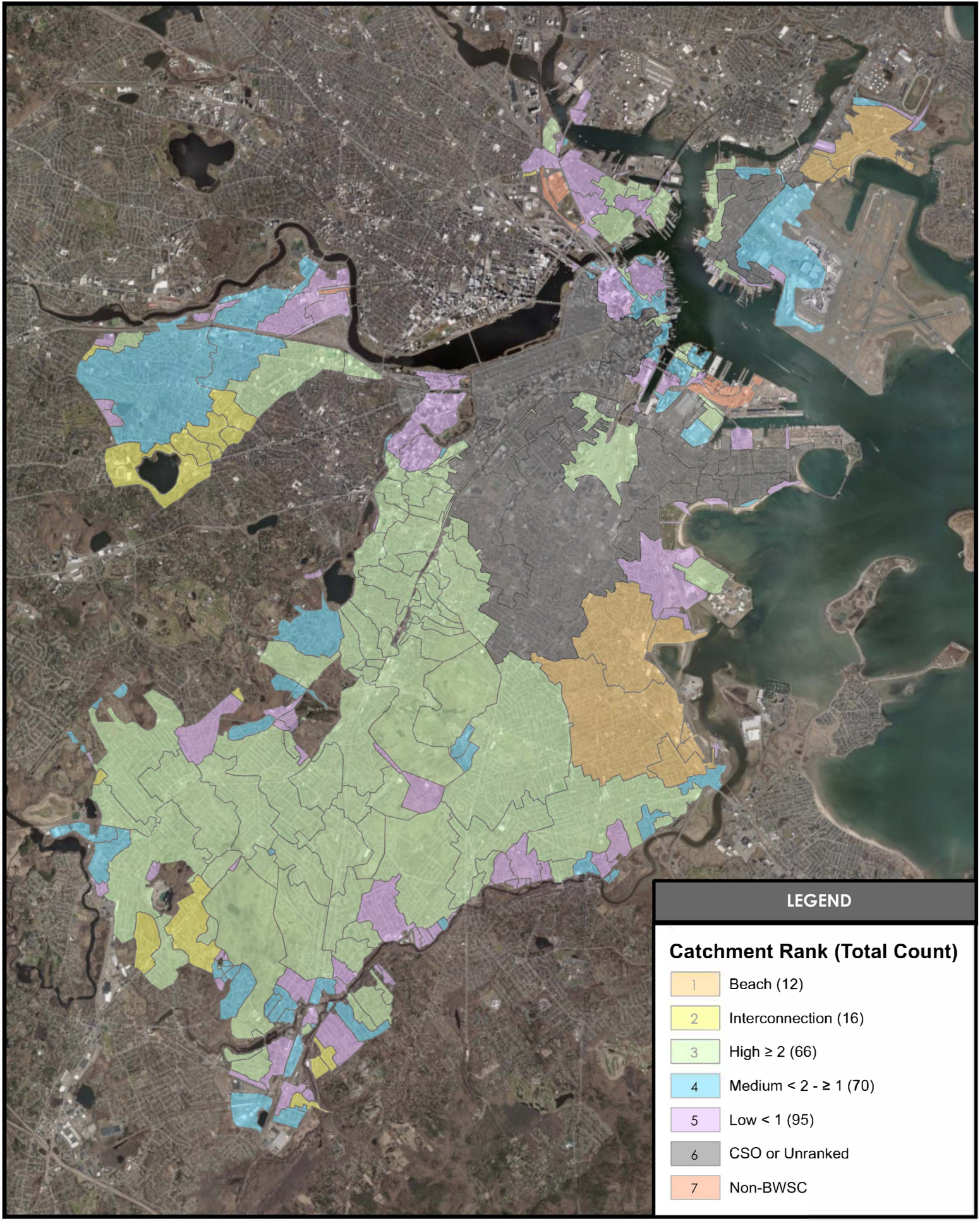
Table 7-1. 2012 Stormwater Model - Mean Annual Pollutant Loads for Boston's 27 Reporting Areas

Reporting Area Name	Drainage Area	Mean Flow	BOD 5	COD	TKN	Nitrate-Nitrite as N	Ammonia as N	Total Phosphorus	Ortho-phosphate as P	Total Copper	Total Zinc	TSS	E Coli	Enterococcus	Fecal Coliform
	Acres	CFS/yr	lb/yr										10 ⁹ CFU/yr		
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
Charlestown	556	2.25	69,573	382,135	10,563	5,066	2,619	1,962	255	103	386	174,040	776,735	516,956	512,302
East Boston	438	1.51	43,225	223,062	6,964	4,154	2,250	1,102	214	54	185	99,394	431,965	251,732	313,268
Downtown	473	2.18	58,292	220,832	7,871	3,242	4,004	1,487	360	46	228	90,824	395,945	216,214	484,454
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. 2024 Stormwater Model - Mean Annual Pollutant Loads for Boston's 27 Reporting Areas

Reporting Area Name	Drainage Area	Mean Flow	BOD 5	COD	TKN	Nitrate-Nitrite as N	Ammonia as N	Total Phosphorus	Ortho-phosphate as P	Total Copper	Total Zinc	TSS	E Coli	Enterococcus	Fecal Coliform
	Acres	CFS/yr	lb/yr										10 ⁹ CFU/yr		
West Roxbury	900	2.37	12,789	58,224	1,931	7,704	491	285	66	18	63	27,555	105,216	77,212	90,511
Sawmill Brook	2085	6.12	19,783	89,361	4,137	21,326	1,150	633	164	34	105	50,060	145,767	104,133	118,700
Mid-Charles total	2,985	8	32,572	147,585	6,068	29,030	1,641	919	230	53	168	77,615	250,982	181,345	209,211
Upper Stony	1819	4.76	19,930	96,636	3,641	10,964	887	480	126	33	100	49,663	163,133	107,533	117,733
Canterbury Brook	1887	7.01	74,075	282,265	12,463	21,311	6,559	2,132	641	62	199	112,583	483,667	247,833	639,667
Roslindale Branch	1166	2.09	25,368	119,197	3,757	5,537	1,191	532	120	30	98	54,601	225,400	121,933	184,833
Bussey Brook	866	1.13	5,261	12,217	720	2,159	142	102	22	6	13	8,501	9,754	9,435	11,101
Goldsmith Brook	739	1.36	9,201	49,310	1,371	4,059	169	192	27	16	52	24,655	86,067	61,133	50,633
Lower Stony	2187	5.54	35,708	167,177	5,485	16,779	1,897	948	221	64	238	75,670	260,020	157,940	185,697
Stony Brook total	8,664	22	169,543	726,803	27,437	60,810	10,845	4,385	1,157	210	701	325,673	1,228,041	705,808	1,189,664
Village Brook Boston	453	2.65	38,653	165,886	6,332	3,405	3,160	955	286	34	109	67,865	306,884	141,513	328,276
Village Brook Brookline	1597	5.53	16,169	71,479	2,781	24,065	495	360	115	29	85	34,871	114,783	86,220	53,057
Other Muddy River	1778	7.95	50,783	203,624	8,459	12,301	4,241	1,851	438	75	282	91,564	321,276	177,740	365,786
Muddy River total	3,828	16	105,605	440,988	17,572	39,771	7,896	3,167	839	138	475	194,300	742,942	405,473	747,119
Faneuil Brook	1316	2.66	25,116	136,163	4,406	7,905	918	630	108	42	138	71,076	251,587	159,269	150,415
Shepard Brook	407	1.25	11,883	63,530	1,644	3,261	173	342	26	21	83	31,063	120,800	91,367	70,733
Smelt Brook	598	1.64	21,863	128,530	3,208	4,094	266	570	38	38	140	62,949	245,233	173,100	113,567
Allston-Brighton	1026	2.30	23,677	83,681	2,709	5,453	1,176	579	116	27	113	36,203	135,561	102,084	155,907
Millers River	208	1.57	11,365	52,964	1,634	3,618	486	330	54	15	61	23,736	103,885	71,587	81,533
Other Lower Charles total	3,555	9	93,903	464,868	13,601	24,330	3,018	2,451	343	143	537	225,027	857,066	597,406	572,156
Lower Charles Basin total	19,032	56	401,623	1,780,244	64,678	153,942	23,400	10,922	2,569	544	1,881	822,615	3,079,032	1,890,033	2,718,150
Mother Brook	451	0.89	7,920	31,428	1,233	2,743	541	186	55	7	23	13,434	57,683	33,847	65,910
Hyde Park	1769	3.68	39,607	192,646	6,366	12,618	1,907	912	207	51	178	91,575	317,701	197,506	211,267
Oakland Brook	519	1.78	14,418	63,927	2,349	5,661	933	319	98	16	49	27,800	121,733	59,767	118,833
Mattapan Brook	303	0.77	10,538	49,832	1,581	2,106	531	216	53	12	43	22,641	90,867	49,767	74,367
Lower Neponset	822	2.24	21,509	95,141	3,312	5,933	1,222	516	125	24	83	42,214	173,113	106,159	160,845
Tenean Creek	873	2.13	81,885	317,194	12,895	5,454	7,406	1,829	660	56	175	121,609	539,677	198,007	667,746
Davenport Creek	691	1.49	14,541	84,577	2,169	3,670	192	317	29	25	87	41,872	159,945	102,885	80,118
Neponset River total	5,428	13	190,418	834,744	29,906	38,184	12,732	4,296	1,226	191	637	361,146	1,460,720	747,936	1,379,085
Charlestown	556	2.25	55,860	298,657	8,472	5,048	2,248	1,542	219	81	304	135,719	595,336	392,037	409,661
East Boston	438	1.51	32,354	173,718	5,262	3,984	1,479	819	145	44	151	79,160	332,454	197,123	220,248
Downtown	500	2.18	38,135	136,160	5,175	4,588	2,811	969	258	30	136	54,106	247,793	130,702	327,027
Dorchester	1124	3.79	56,483	222,558	8,674	9,992	4,343	1,576	410	51	188	89,559	412,703	228,847	499,533

APPENDIX B: FIGURES



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Note:
 1. Coordinate System: NAD 1983 StatePlane Massachusetts Mainland FIPS 2001 Feet
 2. Source data: Boston Water Subcatchment Data
 3. Imagery: USGS 2019 Ortho Imagery

Figure 1: Subcatchment Priority Ranking Map

Boston Water and Sewer Commission
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Prepared by: J.Z. 12/31/2024

