

# STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION



## Annual Report for MS4 Permit Year 3

July 1, 2021 – June 30, 2022

**MS4 General Permit**  
**Connecticut Department of Transportation Municipal Separate Storm Sewer (MS4) Annual Report**  
**New MS4 Permittee**  
**Permit Number GSM DEEP-WPED-GP-22**  
**[July 1, 2021– June 30, 2022]**

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This report documents the Connecticut Department of Transportation’s (aka, “CTDOT”) efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from July 1, 2021, to June 30, 2022.

**Part I: Summary of Minimum Control Measure Activities**

**1. Public Education and Outreach (Section 6 (a)(1) / page 19)**

Now in Year 3 since the permit has been issued, the focus of this reporting year was again to keep the Department’s website updated with the most current information and educate internal personnel of the MS4 requirements. Similar to last year’s annual report, public outreach was limited because of the COVID 19 protocols and limitations on group gatherings. Messages sent to the Department’s dedicated MS4 email inbox and phoneline were all promptly responded to.

One of the most common questions received by CTDOT is the status of mapping within a certain location. To alleviate going back and forth, a public facing ESRI Web Map was created for individuals to see what CTDOT has mapped to date. This map has proven to be a useful tool for interested parties. Included in this mapping are highlighted interconnection points (where CTDOT’s drainage is interconnected to that of other municipalities, private entities etc.) that allow users to easily identify where drainage system ownership changes. Mapping these interconnection locations is a requirement for all MS4 Permit holders. The Web Map can be found via this link:

<https://ctdot.maps.arcgis.com/apps/webappviewer/index.html?id=5f28d298a4ef41d9bc6339a66dee764e>.

Further advancement of the GIS technology over the next year is anticipated to create a means in which individuals can download directly from the created web map. This will cause the web map to have a new URL which will be updated on the MS4 webpage.

### 1.1 BMP Summary

| BMP   | Status   | Activities in current reporting period   | Measurable goal  | Department / Person Responsible                  | Due           | Date completed or projected completion date | Additional details   |
|---|----------|--|--|--|---------------|---|--|
| 1.1 Implement public education program  | Complete | Provided education on CTDOT's MS4 program to staff and consultants. Public educational material on CTDOT's MS4 program available on CTDOT MS4 webpage. | Educate the Public on Stormwater   | Environmental Planning                           | June 30, 2020 | Apr 9, 2019                                 | These resources are published on CTDOT MS4 Website <a href="https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4">https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4</a> |
| 1.2 Track CTDOT public meetings where non-point source educational material was distributed | Ongoing  | Distribute resources to Designers for Public Project Scoping Meetings throughout Municipalities statewide  | Get informational resources to designers for distribution at public events | Engineering Bureau, Environmental Planning       | June 30, 2020 | Ongoing                                     | Incorporation of project specific stormwater issues are provided for incorporation into designer PowerPoint presentations  |
| 1.3 Develop Dedicated MS4 Webpage on CTDOT Website  | Complete | Maintain a CTDOT MS4 dedicated Website   | Create MS4 dedicated Website   | Environmental Planning, Environmental Compliance | June 30, 2020 | Mar 1, 2019                                 | <a href="https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4">https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4</a>  |

| BMP  | Status   | Activities in current reporting period   | Measurable goal  | Department / Person Responsible                  | Due           | Date completed or projected completion date | Additional details  |
|--|----------|--|--|--|---------------|---|---|
| 1.4 Collaborate with MS4 stakeholder groups outside of CTDOT | Ongoing  | Coordinated with MS4's and public health organizations for correspondence regarding Illicit Discharges. Coordinated with Town of Stonington on potential stormwater retrofit project. Participated in ad-hoc committee on the update to CTDEEP's Stormwater Quality Manual | Work with other MS4 entities cooperatively   | Environmental Compliance, Environmental Planning | June 30, 2020 | Ongoing                                     | A website displaying CTDOT mapped MS4 infrastructure is publicly available: <a href="https://ctdot.maps.arcgis.com/apps/webappviewer/index.html?id=5f28d298a4ef41d9bc6339a66dee764e">https://ctdot.maps.arcgis.com/apps/webappviewer/index.html?id=5f28d298a4ef41d9bc6339a66dee764e</a> |
| 1.5 Educate CTDOT Employees on the MS4 Program               | Ongoing  | Provided MS4 training for design engineers to review MS4 design standards. Incorporated MS4 guidance for CTDOT construction personnel trainings  | Provide workshops for employees Department wide to inform them of MS4 requirements | Environmental Compliance, Environmental Planning | June 30, 2020 | Ongoing                                     | Refer to Section 6.3 for additional trainings regarding the IDDE program for CTDOT Employees  |
| 1.6 River and Stream Signs                                   | Complete | All construction projects that involve crossing a named watercourse receive signage  | CTDOT Standard Policy created prior permit issuance                                | Engineering Bureau, Environmental Planning       | Jul 1, 2020   | Completed Prior to Permit issuance          | Refer to CTDOT Sign Catalog for sign specifications <a href="https://portal.ct.gov/-/media/DOT/documents/dtrafficdesign/SignCatalogpdf.pdf?la=en">https://portal.ct.gov/-/media/DOT/documents/dtrafficdesign/SignCatalogpdf.pdf?la=en</a>   |

**1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.**

CTDOT staff will continue to be educated regarding the MS4 permit by attending trainings provided by the Department's Training Center, District Environmental Trainers, The Office of Environmental Planning and/or the Environmental Compliance Section. Continued development of the public facing ESRI Web Map is also expected with the goal of users being able to download data as they see fit for their own purposes. The Department plans to contact the State Emergency Response Committee to schedule a presentation on the map and describe how it could be useful for the emergency response community.

**1.3 Details of activities implemented to educate the community on stormwater**

Trainings this permit term (July 2021-June 2022) focused on internal Department personnel and consultants working for the Department. The goals of trainings were to educate them on MS4 design requirements and on illicit discharge identification and reporting requirements. Public outreach and educational material on the Department's MS4 Program can be found on the CTDOT MS4 website:

[https://portal.ct.gov/DOT/PP\\_Envir/Water\\_Natural\\_Resources/CTDOT-MS4](https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4).



## 2. Public Involvement/Participation (Section 6(a)(2) / page 21)

### 2.1 BMP Summary

| BMP   | Status   | Activities in current reporting period | Measurable goal | Department / Person Responsible                  | Due         | Date completed or projected completion date | Additional details   |
|---|----------|--|-----------------|--|-------------|---|--|
| 2.1 Comply with public notice requirements for the Stormwater Management Plan | Complete | N/A                                    | Notify Public   | Environmental Planning, Environmental Compliance | Jun 1, 2019 | June 1, 2019                                | Posted on CTDOT MS4 Website<br><a href="https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4">https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4</a> |
| 2.2 Comply with public notice requirements for Annual Reports                 | Complete | Notified Public of Annual Report       | Notify Public   | Environmental Planning, Environmental Compliance | Sep 1, 2022 | September 1, 2022                           | Posted on CTDOT MS4 Website<br><a href="https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4">https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4</a> |

### 2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

CTDOT is solely responsible for permit compliance. All concerns the Public has regarding its Annual Report and SWMP will be considered. Public feedback on the Department's MS4 program, SWMP or Annual Reports can be sent to [DOT.MS4@ct.gov](mailto:DOT.MS4@ct.gov). To date no concerns have necessitated any changes to the SWMP.

### 2.3 Public Involvement/Participation reporting metrics

| Metrics  | Implemented | Date              | Posted   |
|--|-------------|-------------------|--|
| Availability of the Stormwater Management Plan announced to public | Yes         | April 3, 2019     | CTDOT Website, Email sent to MS4 Listserv        |
| Availability of Annual Report announced to public                  | Yes         | September 1, 2022 | MS4 CTDOT Website and Email sent to MS4 Listserv |

### 3. Illicit Discharge Detection and Elimination (IDDE) (Section 6(a)(3) and Appendix B / page 22)

#### 3.1 BMP Summary

| BMP   | Status    | Activities in current reporting period  | Measurable goal  | Department / Person Responsible | Due              | Date completed or projected completion date | Additional details   |
|---|-----------|---|--|---------------------------------|------------------|---|--|
| 3.1 Develop legal authority to prohibit illicit discharges  | Completed | Legal authority previously established through existing State regulations   | Legal authority developed                                  | Environmental Compliance        | June 30, 2021    | June 30, 2022                               | Unpermitted non-stormwater discharges are prohibited under CGS 22a-430. Discovery of such discharges to the CTDOT MS4 that cannot be otherwise remedied are referred to CT DEEP, which possesses the State's enforcement authority in these cases. |
| 3.2 Develop written IDDE program  | Completed | IDDE Written Plan revised this reporting period to update catchment priorities and catchment investigation procedures | Written IDDE plan completed                                | Environmental Compliance        | June 30, 2021    | June 5, 2020                                | Updates to catchment priority definitions and investigation procedures were updated as a result. See additional IDDE program details in Part III of this report.   |
| 3.3 Develop program for citizen reporting of illicit discharges /Include citizen reports in annual report | Completed | Citizen IDDE reporting program previously established   | Illicit Discharge Program Developed and Reports Documented | Environmental Compliance        | June 30, 2021    | July 1, 2019                                | Call 860-594-2560 or email <a href="mailto:DOTMS4@ct.gov">DOTMS4@ct.gov</a>  |
| 3.4 Develop tracking system for illicit discharge Investigation and Abatement activities                  | Completed | IDDE tracking system previously established   | Illicit Discharge Tracking system developed                | Environmental Compliance        | July 1, 2019     | July 1, 2019                                | Investigations are tracked both within the GIS database and manually outside the database  |
| 3.5 Identify all known locations of SSO's into CTDOT's MS4 over previous 5 years                          | Completed | Previously identified   | SSO's within previous 5 years identified                   | Environmental Compliance        | November 1, 2019 | November 1, 2019                            | No historic SSO's identified that require CTDOT follow up actions. Locations identified are in the appendix of the IDDE written report which is available on the CTDOT MS4 webpage   |



| BMP  | Status      | Activities in current reporting period  | Measurable goal   | Department / Person Responsible  | Due                      | Date completed or projected completion date | Additional details  |
|--|-------------|---|---|--|--------------------------|---|---|
| 3.6 Identify and Map 50% of CTDOT's MS4 in Priority Areas                | Completed   | This year CTDOT completed mapping stormwater assets in 14 additional MS4 Municipalities                   | 50% of Mapping of CTDOT assets within the 120 MS4 Municipalities Completed by Year 5. | Environmental Planning, Environmental Compliance, Maintenance, Public Transit                  | June 30, 2024            | June 30, 2022                               | CTDOT stormwater assets have been mapped in 63 (54%) MS4 Municipalities as of 6/30/2022 |
| 3.7 Screen and Sample all mapped outfalls and key interconnection points | In progress | 566 dry weather screenings conducted, and 219 wet weather sampling events conducted in 27 municipalities. | Mapped outfalls and interconnections screened and/or sampled                          | Environmental Compliance   | June 30, 2024            | June 30, 2024                               |   |
| 3.8 Provide Annual IDDE Training to Employees                            | In progress | Refer to Section 6  | Annual Bureau trainings completed   | Bureau Chief(s)-Engineering and Construction, Policy and Planning, Maintenance, Public Transit | June 30, 2021 & Annually | Annual                                      | Training provided to District Construction Personnel and District Maintenance Personnel |

**3.2 Describe any IDDE activities planned for the next year, if applicable.**

Normal IDDE program activities will continue next year. These activities include the preliminarily mapping of CTDOT stormwater assets in MS4 Municipalities and dry and wet weather screening and sampling of all non-excluded discharge locations in areas where the mapping has been finalized. Catchment investigations for all discharge points with suspect illicit inputs based on screening and sampling activities will be prioritized first followed by catchment investigations in other catchment areas categorized as high priority. IDDE information in relevant CTDOT trainings will also be provided throughout the year.

**3.3 List of citizen reports of suspected illicit discharges received during this reporting period.**

| Date of Report | Location / suspected source                | Response taken   |
|----------------|--|--|
| 3/23/2022      | 7 Pine Bridge Road, Oxford – Septic System | Contacted Sanitarian from Housatonic Valley Health Department who conducted a site investigation on 4/4/2022. No evidence of the on-site septic system operating improperly or sewage/leachate entering the Department's storm system was found. |

**3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2021 through end of reporting period using the following table.**

No confirmed illicit discharges were reported during this permit year. Note, that potential illicit discharges based solely on analytical results (no olfactory or visual evidence) are not included below but are included in IDDE metrics at the end of this MCM 3 IDDE section.

**3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.**

The CTDOT receives information regarding illicit discharges from multiple sources. The public may notify the CTDOT regarding potential illicit discharge by sending an email to [DOTMS4@ct.gov](mailto:DOTMS4@ct.gov) or by calling the DOT Customer Care Center at 860-594-2560. Illicit discharges are also reported to the CTDOT MS4 Team from other Department personnel and from MS4 Consultants who are performing screening and sampling activities. Once an illicit discharge is reported, the CTDOT MS4 Team records the issue in the database and reaches out to the local municipality, local health department and/or other stakeholders to coordinate research and a response. Activities and communications, including corrective actions taken to eliminate illicit discharges are documented both within and outside the database.

**3.6 Provide a summary of actions taken to address septic failures using the table below.**

| Location and nature of structure with failing septic systems | Actions taken to respond to and address the failures | Impacted waterbody or watershed, if known |
|--|--|---|
| No septic failures were identified this permit term          |  |   |

**3.7 IDDE reporting metrics**

See Figure 1 below titled CTDOT MS4 Mapping Status, as of July 1<sup>st</sup>, 2022. All total infrastructure numbers are estimates based upon mapping completed to date. The symbology of Figure 1 is as follows:

- Blue- Municipality has been mapped 100% complete.
- Pink- 75% of the municipality is mapped- required field work to be completed.
- Purple- Municipalities in which current mapping has commenced and is considered at least 5% complete.

- Yellow- No mapping has been performed yet.

During the permit term, the CTDOT is required to map half of its drainage infrastructure within the 120 MS4 Municipalities. Complete system mapping within designated MS4 Municipalities will be required by 2029. Figure 2 illustrates CTDOT mapped municipalities overlaid with the MS4 priority areas which include urbanized areas, local watershed impervious cover of > 11% and impaired waterbodies. Municipalities are chosen for mapping based upon their CTDOT Maintenance District, geographic location and their priority areas.

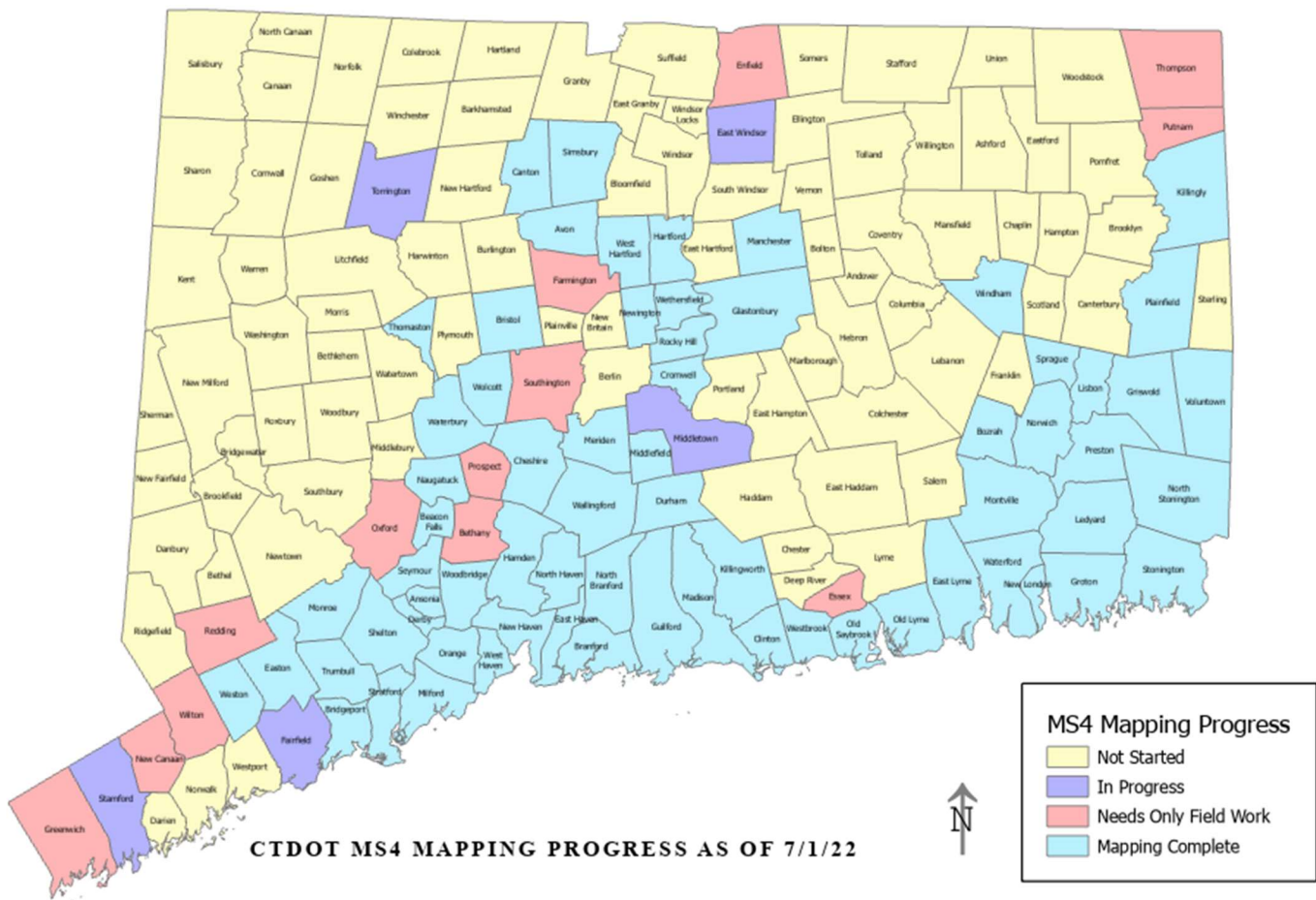


Figure 1: CTDOT MS4 Mapping Status as of July 1st, 2022

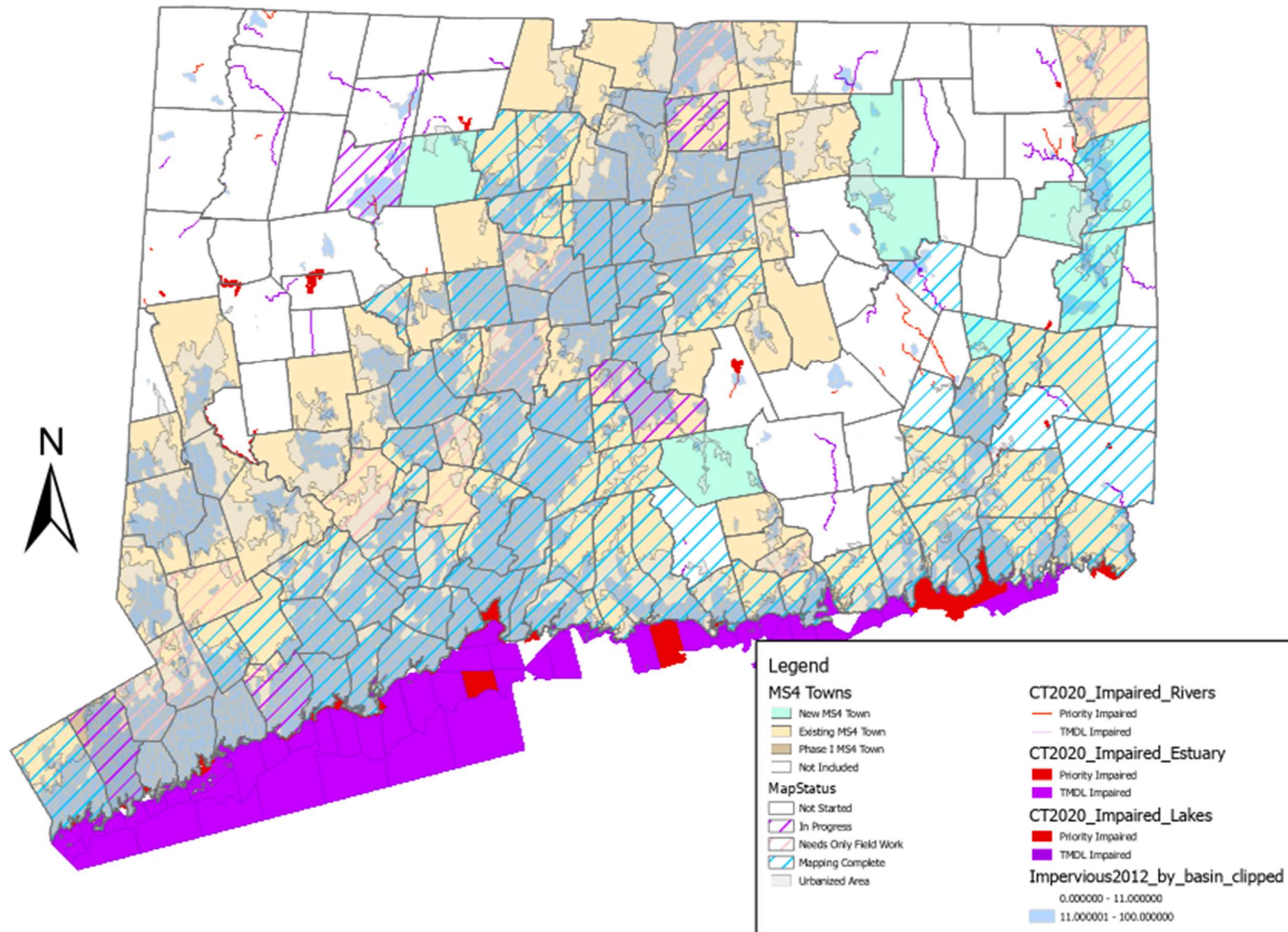


Figure 2: CTDOT MS4 Mapping and MS4 Priority Areas

**Metrics**

|   |  |
|---|--|
| Total number of discharge locations from the CTDOT MS4 System (outfalls + outgoing interconnection points) mapped to date / total | 12,228 mapped to date / Unknown                                |
| MS4 outfalls (only) mapped to date / estimated total # of MS4 outfalls/estimated completion %                                     | 11,553 / Unknown / 45%   |
| Outgoing MS4 Interconnection points mapped to date / estimated total / estimated completion %                                     | 985/ Unknown / Unknown   |
| System-wide mapping complete (detailed MS4 infrastructure)  | 63 MS4 Towns Mapped / 54% of MS4 Municipalities, 45% Statewide |
| Number of mapped discharge points that are excluded as of 6/20/2022   | 8,159  |
| Dry weather screenings of High or Low Priority Outfalls this permit term / total  | 566/1,869  |
| Wet weather sampling of High or Low Priority Outfalls this permit term / total  | 219/850  |
| Number of catchment area investigations completed   | 576 (Total)  |
| Estimated Percentage of Mapped Non- Excluded MS4 catchment areas investigated in Completed Towns                                  | 20% -576 /2885   |

**3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).**

A training and lessons learned meeting was held individually for each of the three consultants that perform the screening and samplings work on behalf of the Department. The meetings were held on August 3<sup>rd</sup>, August 11<sup>th</sup> and August 19<sup>th</sup>. Additionally, Department maintenance staff receive a refresher on illicit discharge basics annually from District Environmental Trainers as part of a larger training.

## 4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

### 4.1 BMP Summary

| BMP  | Status           | Activities in current reporting period  | Measurable goal                                 | Department / Person Responsible  | Due           | Date completed or projected completion date | Additional details   |
|--|------------------|---|---|--|---------------|---|--|
| 4.1 Establish bylaw, regulation, standard conditions of approval, construction requirements or other legal authority that meet the requirements of the CTDOT MS4 permit  | Completed        | All CTDOT projects are reviewed by staff to implement appropriate construction site runoff control. Major Traffic Generators must comply with Office of the State Traffic Administration's approval terms | Standard Language Updated                       | Office of the State Traffic Administration Environmental Planning, Office of Construction, Districts | June 30, 2022 | June 30, 2022                               | The Department administers all its own projects. Construction site run-off control is a condition of the Department's standard specifications. |
| 4.2 Ensure all CTDOT manuals are consistent with the construction measures in DEEP's E&S Manual, Stormwater Quality Manual and the Construction Stormwater General Permit requirements   | Complete         | N/A   | Publish Engineering Directive                   | Bureau Chief – Engineering and Construction  | June 30, 2020 | Completed on June 26, 2019.                 |  |
| 4.3 Develop and implement a plan outlining how all internal CTDOT departments with jurisdiction over the review, permitting or approval of land disturbance and development projects within the CTDOT MS4 will coordinate their functions with one another | Process in Place | N/A   | Process in Place and it is working              | Environmental Compliance and Environmental Planning  | July 1, 2019  | July 1, 2019                                | A coordination plan between internal Bureau's was previously documented in an Engineering Directive  |
| 4.4 Conduct a site plan review or confirm that a site plan review was completed by the appropriate authority. The review should verify that consideration of stormwater controls or management practices were considered                                   | Process in Place | All development and redevelopment projects are reviewed by MS4 Team. Designers use CTDOT MS4 Designer Worksheet to document stormwater quality considerations   | All projects reviewed for water quality impacts | Environmental Compliance and Environmental Planning  | July 1, 2019  | July 1, 2019                                | The MS4 Designer Worksheet can be viewed on the CTDOT MS4 Webpage.   |

| BMP   | Status           | Activities in current reporting period   | Measurable goal  | Department / Person Responsible  | Due           | Date completed or projected completion date | Additional details   |
|---|------------------|--|--|--|---------------|---|--|
| 4.5 Conduct or confirm that a site inspection(s) and enforcement was completed to assess the adequacy of the installation, maintenance, operation and repair of construction and post construction control measures | Program in Place | Oversight of construction projects for erosion control measures were conducted.  | Ensure all projects have environmental oversight   | Environmental Planning, Environmental Compliance, District Maintenance | July 1, 2019  | In Place Prior to Permit Issuance           |  |
| 4.6 Implement procedure to notify developers conducting projects that will connect to the CTDOT MS4 system of the obligation to comply with the requirements of DEEP's Construction Stormwater General Permit       | Process in Place | Project Managers are made aware of the Construction Stormwater General Permit requirement at the beginning of a project by OEP via the Permit Need Determination Form (PNDF) | Ensure all Projects that require a Construction Stormwater General Permit are identified within the 30, 60, 90% design reviews | Environmental Planning   | July 1, 2019  | July 1, 2019                                | OSTA Application Forms were updated to require projects to certify that development conforms to local MS4 authority requirements |
| 4.7 Include tracking information as part of each annual report  | Complete         | Plans reviewed and inspections completed have been tracked   | Number of plans tracked and inspected  | Environmental Compliance and Environmental Planning                    | June 30, 2020 | July 1, 2019                                |  |
| <b>Metrics</b>  |                  |  |  |  |               |   |  |
| Number of Plans Reviewed  | 185              |  |  |  |               |   |  |
| Number of Site Inspection Completed   | 543              |  |  |  |               |   |  |

**4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.**

CTDOT will continue to review all projects for construction compliance. Currently, the CTDOT Office of Environmental Planning's Site Inspection Spreadsheet is kept for oversight and our designated CTDOT MS4 Team is responsible for documenting stormwater management compliance. Future MS4 documentation advancements include the development of a comprehensive database that will be capable of



reporting how many site inspections were performed, the frequency of site inspections, and provide the site location’s history to help identify repeat areas of concern within the CTDOT drainage infrastructure network.

## 5. Post-construction Stormwater Management (Section 6(a)(5) / page 27)

### 5.1 BMP Summary

| BMP   | Status      | Activities in current reporting period   | Measurable goal   | Department / Person Responsible                                   | Due           | Date completed or projected completion date | Additional details  |
|---|-------------|--|---|---|---------------|---|---|
| 5.1 Establish updated standard procedures, forms and conditions of approval that meet the LID / Runoff Reduction Legal Authority requirements of the Permit                 | Completed   | Per a CTDOT Engineering Directive, all CTDOT projects that impact drainage or drainage patterns are reviewed by staff to implement water quality BMPs to the maximum extent practicable  | Standard procedure adopted  | OSTA & Bureau Chief-Engineering & Construction                    | June 30, 2022 | June 24, 2019                               | Unlike a traditional Municipality, CTDOT does not have the ability to pass ordinances or regulate land use                            |
| 5.2 Ensure all CTDOT manuals are consistent with the construction measures in DEEP’s E&S Guidelines, Stormwater Quality Manual and Construction General Permit Requirements | In Progress | CTDOT manuals will remain consistent with the construction measures in the 2002 Guidelines for Soil Erosion and Sedimentation Control, the Connecticut 2004 Stormwater Quality Manual and the Construction General Permit  | CTDOT Manuals are consistent with E&S Manual, Stormwater Quality Manual and Construction Permit Requirements. | Bureau Chief-Engineering & Construction                           | June 30, 2022 | July 1, 2019                                | CTDOT manuals will be updated as needed   |
| 5.3 Implement runoff reduction / LID measures for new development and redevelopment projects within CTDOT’s MS4 area  | In Progress | The CTDOT MS4 Team reviews all development and redevelopment plans to ensure runoff reduction and LID measures are implemented to the maximum extent practicable. Water quality impacts and site constraints are tracked on the CTDOT MS4 Designer Worksheet. BMP examples and calculations were also developed to provide consistency between all state and consultant forces | Document runoff reduction / LID implementation efforts for the project  | Bureau Chief(s) - Policy and Planning, Engineering & Construction | June 30, 2022 | July 1, 2019                                | The MS4 Designer Worksheet can be viewed on the CTDOT MS4 webpage. Other design guidance for implementing LID / BMPs is also provided |

| BMP   | Status      | Activities in current reporting period  | Measurable goal  | Department / Person Responsible                           | Due           | Date completed or projected completion date | Additional details   |
|---|-------------|---|--|---|---------------|---|--|
| 5.4 Calculate DCIA for 50% of the CTDOT's MS4 Catchment Areas (or Local Watershed Basins) | In Progress | An initial GIS spatial analysis was previously completed to provide an estimate of the DCIA that CTDOT is responsible for statewide   | Determine the percentage of DCIA for CTDOT's Mapped Catchment or Local Watershed Areas           | Bureau Chief-Engineering & Construction                   | June 30, 2024 | June 30, 2024                               | It was determined that using an automated process to determine DCIA on a catchment basis is not feasible. The initial GIS spatial analysis was refined this permit year. See section 5.4 below.                        |
| 5.5 Implement a plan to ensure long term maintenance of stormwater management facilities  | In Progress | On-going focus has been on inventory and maintenance tracking of CTDOT-owned stormwater management facilities. Privately owned stormwater management facilities that discharge to CTDOT's MS4 system are added to database when identified. | Develop and Implement a Plan to Ensure Long Term Maintenance of Stormwater Management Facilities | Bureau Chief(s) - Maintenance, Engineering & Construction | June 30, 2022 | June 30, 2022                               | Mapping effort includes identifying and inventorying in GIS database all CTDOT stormwater management facilities. Private stormwater management facilities that discharge to CTDOT's MS4 will require a separate effort |

**5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.**

Plan reviews of all development and redevelopment projects for stormwater quality improvements will continue. A refinement of the DCIA number will be performed as more information becomes available.

**5.3 Post-Construction Stormwater Management reporting metrics**

| Metrics   |    |
|---|----|
| Total number of plans reviewed this permit term | 91 |
| CTDOT MS4 worksheets submitted this permit term | 46 |

|  |  |
|--|--|
| Projects with no impacts to MS4 System this permit term  | 45   |
| Final Development Plans (FDP) Submitted with Impacts to MS4 System   | 13 this permit term / 23 total   |
| Baseline Directly Connected Impervious Area (DCIA)   | Estimated 11,885 Acres based on 2012 UConn Impervious Data   |
| DCIA disconnections planned based on Final Development Plans (redevelopment plus retrofits)                        | 7.34 acres connected this year / 0 5.25 acres disconnected total *<br>*Includes revised totals for Project 0102-0295 |
| DCIA disconnections completed (constructed)  | N/A  |
| Retrofits completed  | Dedicated stormwater retrofit projects will not occur within this 5-yr permit term                                   |
| DCIA Disconnected by Percentage of Estimated DCIA / Total  | 0.06% DCIA added this year / 0.04% disconnected total permit term  |
| Stormwater Quality BMPs included in Final Plans this permit term / Total   | 3this year / 23 total  |
| Stormwater Quality BMPs Constructed this Permit Year   | 1 (Project #0034-0347 – Detention Basin)   |
| Constructed/Active CTDOT Stormwater BMPs in Database to Date   | 385 in database / total unknown<br>337 under the CTDOT MS4   |
| Constructed Private or Municipally Owned Stormwater Quality BMPs Connected to DOT's MS4 System in Database to Date | 16 in database / total unknown   |

#### 5.4 Briefly describe the method to be used to determine baseline DCIA.

To determine baseline DCIA, a GIS Spatial Analysis was performed using UConn Roadway Impervious Cover, UConn Other impervious Cover, CTDOT Right of Way, CTDOT Centerline of Road data, and CTDOT Curb Data. These calculations serve as the baseline and is a conservative estimate of DOT's DCIA. It is anticipated that as mapping becomes more complete the DCIA value will be adjusted.

- 24,356 Acres of CTDOT Roadway (Spatial Analysis using UConn Data)
- 2,600 Acres of Other Impervious Cover (Projection based on 50 Municipalities Using UConn Data)
- 74,000 Acres of CTDOT ROW (Projection based on 50 Municipalities using CTDOT Data)
- 9,826 Miles of Centerline Roads (CTDOT provided from Internal Roadway Network Database)
- 8,760 Directly Connected Outfalls (Based on current projection of 25,500 total MS4 Outfalls)
- 35% of Outfalls Directly Connected to Waterbody (8,760 / 25,500)
- Statewide Impervious Cover =  $(24,356 + 2,600) / (74,000) * 100 = 36\%$
- 35% of 24,356 Acres is 8,489 Acres
- Amount of DCIA within this 8,489 Acres is still uncertain
- The disconnection goal of 1% per year is equivalent to 85 acres per year Statewide

Refinement of the DCIA total this permit term was conducted based on updated mapping of drainage infrastructure. To better determine a denominator for the DCIA total statewide, the miles of centerline curb previously used was replaced with the percentage of mapped MS4 outfalls that are directly connected. This was determined using a model within the GIS program that analyzes the distance from the outfall to the waterbody in order to determine directly connected or disconnected status. Based on the inventory of outfalls compiled to date, 35% of the approximately 25,500 mapped outfalls are considered directly connected. Applying this 35% number to the total estimated CTDOT statewide impervious cover number of 24,356 acres reduces CTDOT's 1% DCIA reduction goal from 119 acres per year to 85 acres per year.

## 6. Pollution Prevention/Good Housekeeping (Section 6(a)(6) / page 31)

### 6.1 BMP Summary

| BMP  | Status           | Activities in current reporting period  | Measurable goal   | Department / Person Responsible         | Due           | Date completed or projected completion date | Additional details   |
|--|------------------|---|---|---|---------------|---|--|
| 6.1 Develop and implement formal employee training program                     | Program in place | In person and on-demand trainings for design, construction, and maintenance staff   | Conduct Annual Training for Bureaus.                          | All Bureaus                             | June 30, 2021 | July 1, 2019                                | See MS4 trainings held below   |
| 6.2 Implement infrastructure repair and rehabilitation program                 | Program in place | Inspection and documentation of mapped stormwater infrastructure is on-going. Inspection results are absorbed into evolving CTDOT stormwater asset rehabilitation program.                                      | Develop and implement a repair / rehabilitation program.      | Bureau Chief-Engineering & Construction | June 30, 2022 | Completed Prior to Permit Issuance          |  |
| 6.3 Track DCIA that is disconnected during redevelopment and retrofit projects | Completed        | Tracking DCIA changes from capital and retrofit projects is on-going  | Develop and Implement a Procedure to Track DCIA for projects. | Bureau Chief-Engineering & Construction | July 1, 2019  | July 1, 2019                                | The Department is working with USGS's SELDM model to identify the type and location of stand-alone retrofit projects |
| 6.4 Develop and implement a plan to disconnect 2% of calculated DCIA           | Completed        | Draft of water quality modeling report to be used to identify good retrofit project locations completed by USGS. CTDOT also completed retrofit project to remove portion of park and ride lot in Stonington CT. | Develop and Implement a Plan to Disconnect 2% of DCIA         | Bureau Chief-Engineering & Construction | June 30, 2022 | July 1, 2019                                |  |
| 6.5 Implement CTDOT MS4 Property and Operations Maintenance                    | Ongoing          | Standard Property and Maintenance Operations were completed throughout the year   | Document and Report on Maintenance Activities Implemented     | Bureau Chief Maintenance                | July 1, 2019  | On-Going                                    |  |

| BMP  | Status      | Activities in current reporting period  | Measurable goal   | Department / Person Responsible | Due           | Date completed or projected completion date | Additional details  |
|--|-------------|---|---|---------------------------------|---------------|---|---|
| 6.6 Develop and implement sweeping program   | Completed   | CTDOT is preparing a contract for private contractors to support existing Maintenance operations with catch basin cleaning and street sweeping on limited access highways. This pilot program would allow for data collection within the GIS database | Document and Report on Sweeping Activities  | Bureau Chief Maintenance        | July 1, 2019  | June 30, 2020                               | The data collected as part of the pilot program is designed to capture location data which is not currently available |
| 6.7 Develop plan to optimize catch basin cleaning  | Completed   | A street sweeping and catch basin cleaning optimization plan was previously completed   | Collect additional data on catch basin cleaning to optimize cleaning operations.            | Bureau Chief Maintenance        | July 1, 2019  | June 30, 2020                               |   |
| 6.8 Inspect and clean (where necessary) catch basins.  | In Progress | TDOT is preparing a contract for private contractors to support existing Maintenance operations with catch basin cleaning and street sweeping on limited access highways. This pilot program would allow for data collection within the GIS database  | Map, Inspect and Prioritize Catch Basins.   | Bureau Chief Maintenance        | July 1, 2019  | Ongoing                                     | The data collected as part of the pilot program is designed to capture location data which is not currently available |
| 6.9 Development, implement and optimize standard operating procedures for snow management practices                  | Complete    | CTDOT has an existing Winter Maintenance Program that continues to be implemented   | Optimize, Document and Report on Snow Management Practices.                                 | Bureau Chief Maintenance        | July 1, 2019  | Completed Prior to Permit Issuance          | CTDOT created the Snow and Ice Guidelines for internal BMPs for handling Snow and Ice Operations                      |
| 6.10 Track and report types of deicing materials used, lane miles treated, and total amount of deicing material used | Complete    | Track Snow and Ice Maintenance Metrics  | Report on amount of material, type of material and equipment used during winter maintenance | Bureau Chief Maintenance        | June 30, 2020 | June 30, 2020                               | See Section 6.3 for reporting totals  |

| BMP   | Status      | Activities in current reporting period   | Measurable goal   | Department / Person Responsible                    | Due          | Date completed or projected completion date | Additional details  |
|---|-------------|--|---|--|--------------|---|---|
| 6.11 Implement additional measures for discharges to impaired waters from sites with high potential to contribute to impairment | In Progress | Identify capital projects that discharge to impaired waterbodies and implement measures for stormwater discharges to them to the maximum extent practicable. | Prioritize outfalls discharging to impaired waters for monitoring | Environmental Compliance<br>Environmental Planning | July 1, 2019 | Ongoing                                     | CTDOT in coordination with USGS is implementing a stormwater monitoring program to conclude in 2023. See the impaired waters appendix below. The results collected from this study in conjunction with our MS4 stormwater system mapping will enable us to run a model to prioritize where DOT's contributing runoff is affecting the receiving waterbody |

**6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.**

Department pollution prevention / good housekeeping activities will continue to be implemented next year. CTDOT is working with the CT Department of Administrative Services in preparing a public bid to assist existing maintenance operations with catch basin inspections and cleaning as well as street sweeping on limited access highways. This pilot project will utilize the GIS stormwater map to collect activity data in the field. This data should include basic location information to assist the Department in documenting where and how often activities have occurred. The Department will look to provide this same GIS data collection functionality to Maintenance Staff across the State whose responsibilities include catch basin cleaning, street sweeping and/or drainage maintenance activities.

The Department also continues to participate in a multi-state funded pilot program on a Maintenance Decision Support System that will provide GPS and weather-related information to control deicing material application rates. The pilot program has the following research objectives:

1. To assess the need, potential benefit, and receptivity in participating state transportation departments for state and regional Maintenance Decision Support Systems.
2. To define functional and user requirements for an operational Maintenance Decision Support System that can access current road and weather conditions, forecast weather that will affect transportation routes, predict how road conditions will change in response to candidate maintenance treatments, suggest optimal maintenance strategies to maintenance personnel, and evaluate the effectiveness of maintenance treatments that are applied.
3. To build and evaluate an operational Maintenance Decision Support System that will meet the defined functional requirements in the participating state transportation departments.

4. To improve the ability to forecast road conditions in response to changing weather and applied maintenance treatments.

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

| Metrics  |                                  |
|--|----------------------------------|
| <b>Employee training provided for key staff</b>                            | <b>Date(s)</b>                   |
| OEP MS4 Mapping Training   | Web Videos for Internal Use      |
| On-Demand MS4 Training for Design Engineers & Consultants (est. 70 people) | Published 1/20/2022              |
| Meetings with District Drainage Engineers (typically 10 – 15 people)       | 10/15/2021, 3/21/2022, 6/27/2022 |
| IDDE & GIS Training for CTDOT Environmental Compliance Consultants         | 9/3/2021, 9/1/2021, 9/19/2021    |
| District 2 Construction Winter Training (est. 61 people)                   | 2/16/2022                        |
| District 1 Construction Winter Training (est. 85 people)                   | 3/1/2022                         |
| District 4 Construction Winter Training (est. 94 people)                   | 2/28/2022                        |
| District 3 Construction Winter Training (est. 81 people)                   | 3/16/2022                        |
| DOT Construction Supervisor's Training (est. 153 people)                   | 2/15/2022                        |
| <b>Street sweeping</b>   |                                  |
| Miles swept this year  | 10,925 miles                     |
| Volume (or mass) of material collected                                     | Unknown                          |
| <b>Catch basin cleaning</b>  |                                  |
| Total number of CTDOT owned or maintained catch basins                     | 63,726 mapped to date / total    |
| Total number of catch basins cleaned this year                             | 7,078                            |
| Total number of catch basins cleaned in MS areas                           | Unknown                          |



|  |   |
|--|---|
| Total number of catch basins cleaned in MS4 priority areas   | Unknown   |
| Catch basins inspected   | Unknown   |
| Volume (or mass) of material removed from all catch basins   | Unknown   |
| <b>CTDOT Stormwater Management Facilities / BMPs</b>   | 337 mapped to date / total unknown  |
| <b>CTDOT Stormwater Management Facilities / BMPs Inspected</b>   | See description below   |
| <b>CTDOT Stormwater Management Facilities / BMPs Cleaned</b>   | See description below   |
| <b>Private or Municipally Owned Stormwater Management Facilities / BMPs connected to CTDOT's MS4 System</b>              | 16 mapped to date / total unknown   |
| <b>Structure Rinsing Operations</b>  |   |
| Total number of structures rinsed  | 51 Bridges  |
| <b>Snow management</b>   |   |
| Number of Winter Weather Events  | 11 Statewide Events / 9 Partial Events  |
| Type(s) of deicing material used   | Sodium Chloride, Sodium Chloride to make Salt Brine, and Liquid Magnesium Chloride  |
| Total amount of each deicing material applied  | 119,861 tons of Sodium Chloride, 193 tons to make 145,015 gallons of salt brine<br>496,210 gallons of Magnesium Chloride  |
| Type(s) of deicing equipment used  | Calibrated Spreaders for salt, salt slurry spreaders to spread brine and liquid   |
| Lane-miles treated   | 10,800 miles  |
| Snow disposal location   | None this year  |
| Staff training provided on application methods & equipment   | CTDOT Snow and Ice Committee meetings are routinely held throughout the year to provide efficient snow and ice management. The CTDOT has outfitted 340 trucks with route and application tracking to date and is scheduled to have another 150 trucks outfitted this permit year. |
| Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems) | No locations identified this permit term  |

**Briefly describe the method used to optimize your catch basin inspection and cleaning schedule.**

CTDOT is working with the CT Department of Administrative Services in preparing a public bid to assist existing maintenance operations with catch basin inspections and cleaning as well as street sweeping on limited access highways. This pilot project will utilize the GIS stormwater map to collect activity data in the field. This data should include basic location information to assist the Department in documenting where and how often activities have occurred. The Department will look to provide this same GIS data collection functionality to Maintenance Staff across the State whose responsibilities include catch basin cleaning, street sweeping and/or drainage maintenance activities.

## **6.5 Retrofit program**

**Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects, and the total DCIA to be disconnected upon completion of each project.**

The CTDOT is working with the United States Geological Service (USGS) to utilize a stormwater modeling program (SELDM) to identify and prioritize locations where the CTDOT MS4 system is likely a meaningful contributor to downstream water quality concerns. These locations will be reviewed by the Department to identify the best candidate locations for retrofit projects. USGS recently completed a draft report detailing their findings after running 7,247 model simulations for CTDOT roadway and stream crossings in southern New England. A review of potential retrofit locations requires the report to be finalized by USGS, which is expected by early October 2022. This report in conjunction with the USGS SELDM Modeling program will become part of the of the Department's retrofit program.

**Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.**

In addition to using the SELDM modeling program to identify retrofit project locations, the Department is also pursuing smaller scale retrofit projects targeting Department-owned park-and-ride lots, evaluating existing dry and wet detention basins for retrofit projects, and pursuing collaborative projects with Municipalities for disconnection projects.

During this permit term, the Department eliminated an unused portion of a park-and-ride lot in Stonington at the intersection of Routes 2 and 78. This project resulted in 1.17 acres of DCIA being removed. Additionally, the Department is working collaboratively with the Town of Stonington to design and install an infiltration system which will disconnect the front lot and a portion of adjacent roadway for an additional disconnection credit of 1.60 acres.

**Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.**

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See above.

## Part II: Impaired waters investigation and monitoring

### 1. Impaired waters investigation and monitoring program

#### 1.1 Identify which stormwater pollutant(s) of concern occur(s) in your municipality or institution.

This data is available on the MS4 map viewer: <http://s.uconn.edu/ctms4map>.

CTDOT MS4 system spans the entire State and discharges to many impaired waterbodies.

#### 1.2 Describe program status

In consideration of the thousands of outfalls connected to the state drainage systems, an automatic outfall sampling option was incorporated into the CTDOT MS4 permit to address impaired waters sampling requirements. In order to meet the permit's monitoring requirements, the USGS, on behalf of CTDOT, has begun a rigorous auto sampling program that consists of continuously monitoring a total of nine outfalls from highways for a period of approximately two years each. Each sampling event consist of over 40 analytes. The nine sites were selected based upon land use type, impervious area and the average daily traffic that passes through the drainage area for the outfall. The nine locations are:

##### Automatic Monitoring Outfall Locations

###### YEAR 1 & 2

1. I-91 Hartford
2. Route 2 Glastonbury
3. Route 3 Glastonbury
4. Route 74 Vernon
5. Route 8 Torrington

###### YEAR 3 & 4

6. I-95 Milford
7. Route 15 Orange
8. Route 15 Milford
9. Route 139 Branford

##### Status of Phase 1 Locations

The sampling at each of the Phase I locations is complete. The equipment from four of the locations have been moved to new locations in the greater Milford area.

| Highway and location            | Proposed number of composite samples | Number of composite samples collected as of 6/30/2021 |
|---------------------------------|--------------------------------------|---|
| State Route 2, Glastonbury, CT. | 15-18                                | 18 - Complete   |
| State Route 3, Glastonbury, CT. | 15-18                                | 18 - Complete   |
| State Route 8, Torrington, CT.  | 15-18                                | 18 - Complete   |
| State Route 74, Vernon, CT.     | 15-18                                | 18 - Complete   |
| Interstate 91, Hartford, CT.    | 15-18                                | 18 - Complete   |

### Status of Phase 2 Locations

Below is the status of each of the four phase 2 locations. equipment from four of the locations have been moved to new locations in the greater Milford area.

| Highway and location      | Proposed number of composite samples | Number of composite samples collected as of 6/30/2022 |
|---------------------------|--------------------------------------|---|
| I-95, Milford, CT.        | 15-18                                | 6   |
| Route 15, Orange, CT.     | 15-18                                | 8   |
| Route 15, Milford, CT.    | 15-18                                | 9   |
| Route 139, Brandford, CT. | 15-18                                | 6   |

## **2. Screening data for outfalls to impaired waterbodies (Section 6(i)(1) / page 41)**

### **2.1 Screening data collected**

Beyond the auto sampling at designated locations by USGS described above, the CTDOT also collected samples of a waterbody's impairment if illicit discharge detection and elimination sampling was done at an outfall. A total of 84 outfall locations were sampled or attempted to be sampled for the waterbody impairment(s) to which the outfall discharged. These locations were divided as follows.

- 10 were Inaccessible
- 2 were Not Found
- 50 locations had no flow to sample (wet and dry weather assignments)
- 22 locations were able to be sampled
  - o Bacteria
    - 31 bacteria samples were taken
    - 23 were below the applicable thresholds in the MS4 Permit
    - 8 were above the recreation E Coli / Enterococci thresholds
    - none were above the designated swimming Enterococcus threshold of 104 cols/100mls
  - o Nitrogen
    - 5 samples taken
    - 2 exceeded 2.5 mg/l permit threshold
  - o Phosphorus
    - 7samples taken
    - none exceeded the 0.3 mg/l permit threshold
  - o Turbidity (Other Pollutant of Concern)
    - 20 sample taken
    - 5 exceeded the 5 NTU-difference from upstream turbidity level

### **3. Follow-up investigations (Section 6(i)(1)(D) / page 43)**

For impaired waters sampling results that are above the thresholds listed in the permit, the CTDOT follows the same procedures as with an illicit discharge investigation. That includes sharing the results with the municipality, local sewer authority and/or the local health department in an effort to identify any known issues within the catchment areas to coordinate any catchment investigations or mitigation efforts. Unless other activities occur as a result of sharing data with local stakeholders, the Department will investigate catchments where exceedances of the permit's impaired waterbody triggers occurred. The catchment investigation results for this permit year are discussed in detail in the Catchment Investigation Data section in Part III of this report below.

### **4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)**

The CTDOT is following a town-by-town outfall monitoring approach during its first five-year permit term in which any non-excluded outfall will attempt to be screened / sampled once the CTDOT stormwater assets in the Town are mapped. Generally, all non-excluded outfalls are dry weather screened / sampled regardless of their prioritization category. Higher priority outfalls are then highlighted for consultants during wet weather sampling in case all wet weather sampling locations cannot be sampled within the March to June window specified in the permit. The CTDOT has developed a script within its GIS database to help automatically identify high priority outfalls using land use or other available GIS data including data that potentially includes some of the System Vulnerability Factors such as culverted streams, storm and sanitary sewer crossings, area density and/or land use.

**Part III: Additional IDDE Program Data**

**1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5)**

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

Due to the thousands of outfalls owned and maintained by CTDOT, it is not feasible to list catchments individually below. The table below lists the number of catchments in each of the four prioritization categories based on mapping that was completed through permit year 3.

**Problem and High Priority Catchments:** Upon review of the CTDOT MS4 permit language, the Department has revised its approach for designating problem catchments. To be categorized as problem catchment, a known or suspected illicit discharge into the catchment area had to have been identified before the effective date of the permit. During permit years 1 and 2, any catchment found via screening and sampling activities to contain suspected illicit discharges into the Department’s MS4 system were incorrectly classified as problem catchments. All previously identified “problem” catchments have now been reclassified as high priority catchments. As the Department did not have catchments identified with suspect illicit discharges prior to the permit term, the Department does not have any problem catchments remaining within this permit term. Catchments areas with known or suspected illicit discharges will be considered as problem catchments during the next permit term.

As such, the number of Problem catchments indicated in this annual report has been revised compared to previous years.

| Catchment Category  | Number of Catchments within Each Category Based on Mapping Completed in Permit Year 2 |              |               |
|---|---|--------------|---------------|
|   | Excluded  | Low Priority | High Priority |
| Number of Outfalls/Catchments in Category<br>(11,553 Total Mapped Outfalls) | 8,159   | 2,854        | 540           |

**2. Outfall and Interconnection Screening and Sampling data (Appendix B (A)(7)(d) / page 7)**

**2.1 Dry weather screening and sampling data from outfalls and interconnections**

Provide sample data for outfalls where flow is observed. Only include pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

CTDOT conducted dry weather sampling at 123 outfalls that had dry weather flow. Of these, 18 locations discharged to an impaired waterbody. CTDOT sampled the 18 locations for the pollutant(s) of concern identified which was primarily bacteria. Please refer to the Appendix A at the end of this report for a complete listing of the inspection results for the 123 dry weather flow locations. Overall, outfalls were dry weather screened within the following 13 municipalities: Avon, Branford, East Haven, Easton, Farmington, Guilford, Madison, Naugatuck, North Branford, Waterbury, West Haven, Weston, and Woodbridge.

## 2.2 Wet weather sample and inspection data

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor (SVF).

CTDOT attempted wet weather sampling at 215 outfalls, 219 sampling attempts total) in year 3 of the permit. Of these, 196 locations were successfully sampled. A desktop analysis indicated that each outfall designated to be wet weather sampled likely had at least one SVF. Outfalls were wet weather sampled within the following 13 municipalities: Branford, East Lyme, Farmington, Meriden, Milford, Naugatuck, North Branford, North Haven, Orange, Stonington, West Haven, Windsor and Woodbridge. Refer to the Appendix B at the end of this report for a summary of the analytical data for the 196 locations successfully wet weather sampled.

## 3. Catchment Investigations (Appendix B (A)(7)(e) / page 9)

### 3.1 System Vulnerability Factor Summary

The Department has thousands of catchment areas statewide and no sanitary sewer or septic system mapping for many of these areas. MS4 staff review each catchment for likely SVF's at the time of mapping. For areas other than limited access highways, one or both of the following SVF's are frequently assumed to be present; 1) crossings of storm and sanitary alignments and/or 2) storm and sanitary infrastructure greater than 40 years old in medium and densely developed areas. Other SVF's may also be present. As such, the Department generally assumes that all non-excluded catchments have at least one SVF present. This is a conservative but time saving approach that has resulted in 3,400 catchments, which are currently mapped, that are presumed to have at least one SVF.

SVFs are:

1. History of Sanitary Sewer Overflows (SSOs), including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system.
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.



11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

### 3.2 Summary of Catchment Investigations

The Department's MS4 permit requires catchment investigations be completed in three of the four catchment categories: problem, high and low. The permit requires investigation of 40% of all non-excluded mapped catchment areas by June 30, 2024, and 100% of non-excluded catchment investigations should be completed by June 30, 2029. Investigating the suspect sanitary sewer inputs documented in any existing problem catchments is the highest priority, followed by high priority catchments and finally low priority catchments. As the Department had no existing problem catchments at the start of this permit term, the Department is prioritizing high priority catchments with suspect illicit inputs from screening and sampling activities first. Catchments categorized as excluded do not need to be investigated.

Per the Department's MS4 permit, there are two ways in which a catchment investigation can be considered complete; 1) A catchment with screening and sampling results below permit triggers, no junction manholes and no SVFs and 2) A field investigation of the catchment area including screening and sampling of key junction manholes. Each of these two methods are each discussed below. In total, as of 6/30/22, the Department has completed 576 catchment investigations which is estimated to be 19% of the total catchment areas within Municipal boundaries where the Department has completed mapping of CTDOT MS4 assets.

#### 3.2.1 Catchments that Do Not Require Field Investigations

The Department considers a catchment investigation complete even when a field investigation has not necessarily occurred provided certain criteria are met. The underlined portions of the text below are the Department's additions to the permit's criteria for completing an investigation (Appendix B Section 8(d)), as concurred to by CTDEEP.

- Catchment does not contain junction manholes, or the only junction manhole present in the catchment area is immediately up gradient of an outfall that was screened and sampled and;
- Dry weather screening reveals no dry weather flow, or dry weather flow was present but the flow was sampled and did not exceed the permit's triggers for ammonia, surfactants and chlorine or ammonia, surfactants and bacteria (indicative of the presence of flow from a permissible discharge such as from foundation drains) and;
- No evidence of illicit discharge was noted via screening/sampling results, visual or olfactory means and;
- No wet weather System Vulnerability factors (SVFs) were identified, or wet weather SVF's were identified, or likely present but wet weather sampling was completed and the results did not

exceed the permit's triggers for ammonia, surfactants and chlorine or ammonia, surfactants and bacteria

Based on the non-excluded catchment areas that have been evaluated as of 6/30/22, the number of catchments meeting the criteria above is 553.

### 3.2.2 Catchments Requiring Field Investigations

All non-excluded catchments that do not meet the criteria above require additional field investigation of the catchment area. For the time frame between 7/1/2019 and 6/30/2022 the Department or other stakeholder groups in coordination with the Department have completed 21 catchment investigations. These investigations are divided as follows:

- 3 Investigations completed and source eliminated

| Screening & Sampling ID Number | Town          | Approximate Location   | Comments  |
|--------------------------------|---------------|------------------------|---|
| 170-SS-2971                    | West Hartford | 939 New Britain Avenue | Illicit sanitary to storm connection abated                               |
| 170-SS-5281                    | Haddam        | Route 154 / Route 82   | Failed septic system abated   |
| 170-SS-7331                    | Bridgeport    | Route 1 / Bond St      | Municipality identified multiple illicit connections. Abatement on-going. |

- 15 Investigations completed but source not found

| Screening & Sampling ID Number | Town          | Approximate Location                | Comments   |
|--------------------------------|---------------|-------------------------------------|--|
| 170-SS-32                      | Derby         | Route 34 / Jennings St              | Nothing suspect identified. Flow at inlet 36896. Field sample ND for ammonia, surfactants and chlorine. Likely foundation drain. |
| 170-SS-2376                    | Wolcott       | Route 69 / Longmeadow Dr            | Nothing suspect identified. Paper at outfall is not suspect sanitary sewer input.  |
| 170-SS-2740                    | Canton        | Route 179 / Simonds Ave             | Nothing suspect identified   |
| 170-SS-3005                    | West Hartford | ¼ mile N of Route 189/<br>Route 185 | Nothing suspect identified   |

| Screening & Sampling ID Number | Town       | Approximate Location                    | Comments  |
|--------------------------------|------------|---|---|
| 170-SS-3620                    | Cromwell   | ¼ mile W of Route 3 / Route 372         | No source identified. Test pit confirmed water was not sewage.              |
| 170-SS-37559                   | Rocky Hill | ¼ mile S of Route 99 / Hillside Ave     | Nothing suspect identified  |
| 170-SS-3812                    | Rocky Hill | ¼ mile S of Route 99 / Parsonage St     | Nothing suspect identified  |
| 170-SS-3816                    | Rocky Hill | Route 99 / Pleasant Valley Rd #1        | Nothing suspect identified  |
| 170-SS-3822                    | Rocky Hill | Route 411 parallel with Westbrook Road  | Nothing suspect identified  |
| 170-SS-3831                    | Rocky Hill | < ¼ Mile W of Route 169 / Trinity Road  | Nothing suspect identified. Technically did not meet triggers – no ammonia. |
| 170-SS-3836                    | Rocky Hill | Route 160 / Cronin Dr                   | Nothing suspect identified. Technically did not meet triggers – no ammonia. |
| 170-SS-3844                    | Rocky Hill | Route 411 / Route 3                     | Nothing suspect identified. Technically did not meet triggers – no ammonia. |
| 170-SS-3845                    | Rocky Hill | Route 411 / Route 3                     | Nothing suspect identified. Technically did not meet triggers – no ammonia. |
| 170-SS-3853                    | Rocky Hill | < ¼ mile S of Route 3 / Cold Springs Rd | Nothing suspect identified. Technically did not meet triggers – no ammonia. |
| 170-SS-5171                    | Cromwell   | < ¼ mi E of Route 372 / Willowbrook Rd  | Nothing identified. Bacteria exceedance to impaired waterbody               |

- 3 Investigations on all key junction manholes within a catchment area completed, no source to identify and no evidence of illicit inputs found

| Screening & Sampling ID Number | Town     | Approximate Location      | Comments                   |
|--------------------------------|----------|---------------------------|----------------------------|
| 170-SS-1949                    | Bristol  | Route 69 / Burlington Ave | Nothing suspect identified |
| 170-SS-2377                    | Wolcott  | Route 69 / Mac Cormac Dr  | Nothing suspect identified |
| 170-SS-5166                    | Cromwell | Route 372 / I-91 Ramp     | Nothing suspect identified |

The Department will continue to prioritize catchment investigations in catchments with evidence of possible illicit inputs based on dry and/or wet weather inspection results. Catchment investigations beyond these will be prioritized according to their catchment categorization with high priority catchments completed first followed by low priority catchments. Based on data evaluated as of 6/30/22 there are 30 locations with exceedances of

permit triggers that require field catchment investigations. The inspection results and analytical data for these 30 points can be found in Part III of this report below. To reach the 40% catchment investigation goal by June 30, 2024, it is estimated that the Department has approximately 580 investigations remaining to complete.

**3.3 Key junction manhole dry weather screening and sampling data**

CTDOT conducted dry weather illicit discharge catchment investigations during this permit year in the Towns of Wolcott and Bristol. No flow was present within the key junction locations for the catchments investigated. No source was identified as part of the investigation.

| Outfall (Catchment) ID | Screening / Sample date | Visual/ olfactory evidence of illicit discharge | Ammonia | Chlorine | Surfactants |
|------------------------|-------------------------|---|---------|----------|-------------|
| 170-SS-1949            | 6/29/2022               | No  | N/A     | N/A      | N/A         |
| 170-SS-2376            | 6/29/2022               | No  | N/A     | N/A      | N/A         |
| 170-SS-2377            | 6/29/2022               | No  | N/A     | N/A      | N/A         |

**3.4 Wet weather investigation outfall sampling data**

CTDOT identified 8 outfalls during wet weather sampling activities where the analytical data or visual/olfactory evidence met the highest priority criteria for an investigation as listed in CTDOT MS4 permit. These 8 locations are classified as high priority catchments and are included in section 3.1 above.

| Outfall ID   | Sample date | Ammonia  | Chlorine | Surfactants | E Coli            | Enterococci      |
|--------------|-------------|----------|----------|-------------|-------------------|------------------|
| 170-SS 9383  | 6/27/2022   | 2.00mg/l | 0.00mg/l | 0.9mg/l     | 19,900cols/100mls | N/A              |
| 170-SS- 9698 | 3/24/2022   | 0.50mg/l | 0.00mg/l | 0.25mg/l    | 4610cols/100mls   | N/A              |
| 170-SS-9704  | 3/24/2022   | 0.50mg/l | 0.00mg/l | 0.25mg/l    | 657 cols/100mls   | N/A              |
| 170-SS- 9705 | 3/24/2022   | 0.50mg/l | 0.00mg/l | 0.25mg/l    | 6870 cols/100mls  | N/A              |
| 170-SS-9687  | 3/24/2022   | 0.50mg/l | 0.00mg/l | 0.25mg/l    | N/A               | 1440 cols/100mls |
| 170-SS-9783  | 3/24/2022   | 0.5mg/l  | 0.00mg/l | 0.25mg/l    | N/A               | 2490 cols/100mls |
| 170-SS-11529 | 4/1/2022    | 1.00mg/l | 0.00mg/l | 0.5mg/l     | 10cols/100mls     | N/A              |
| 170-SS-10791 | 1/4/2022    | 0.5mg/l  | 1.00mg/l | 0.25mg/l    | N/A               | N/A              |

**3.5 Data for each illicit discharge source confirmed through the catchment investigation procedure**

N/A - CTDOT was not able to confirm any sources during this permit year.

## Part IV: Certification

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.”

Chief Elected Official or Principal Executive Officer

Print name: **Jason Coite, P.E.**

Principal Engineer, Offices of Environmental Compliance & Engineering Project Coordination  
Connecticut Department of Transportation

Signature / Date:

## **PART III**

### **Additional IDDE Program Data**

#### **Outfall Screening and Sampling Data**

**Dry weather sampling data from outfalls and interconnections (Section 2.1)**

| Screening/Sampling Inspection ID | Inspection Date        | Ammonia (mg/l) | Chlorine (mg/l) | Conductivity (mg/l) | Salinity (mg/l) | Surfactants (mg/l) | Water Temperature (Fahrenheit) | E Coli (cols/100 mls) | Total Coliform (col/100mls) | Enterococci (cols/100mls) | Nitrogen (mg/l) | Phosphorus (mg/l) | Mercury (mg/l) | Other Lab Results | Turbidity In Stream (NTUs) | Turbidity At Outfall (NTUs) | Regional Drainage Basin       | Directly Connected To Stormwater Impaired Waterway | Stormwater Impairment Cause     |
|----------------------------------|------------------------|----------------|-----------------|---------------------|-----------------|--------------------|--------------------------------|-----------------------|-----------------------------|---------------------------|-----------------|-------------------|----------------|-------------------|----------------------------|-----------------------------|-------------------------------|--|---------------------------------|
| 170-SS-2473<br>2022-03-16        | 3/16/2022,<br>8:17 AM  | 0              | 0               | 0.319               | 200             | 0                  | 45                             |                       |                             |                           |                 |                   |                |                   |                            |                             | Southwest Eastern             | No   |                                 |
| 170-SS-5783<br>2022-02-16        | 2/16/2022,<br>9:52 AM  | 0              | 0               | 0.032               | 0               | 0                  | 39                             |                       |                             |                           |                 |                   |                |                   |                            |                             | Naugatuck                     | No   |                                 |
| 170-SS-5793<br>2022-02-16        | 2/16/2022,<br>8:34 AM  | 0              | 0               | 0.214               | 200             | 0.1                | 38                             |                       |                             |                           |                 |                   |                |                   |                            |                             | Naugatuck                     | No   |                                 |
| 170-SS-5901<br>2022-02-21        | 2/21/2022,<br>8:51 AM  | 0.2            | 0               | 0.85                | 600             | 0                  | 47                             |                       |                             |                           |                 |                   |                |                   |                            |                             | Naugatuck                     | No   |                                 |
| 170-SS-6137<br>2022-02-16        | 2/16/2022,<br>2:22 PM  | 0              | 0               | 0.28                | 200             | 0.2                | 44                             |                       |                             |                           |                 |                   |                |                   |                            |                             | Naugatuck                     | No   |                                 |
| 170-SS-6153<br>2022-02-21        | 2/21/2022,<br>11:47 AM | 0              | 0               | 0.187               | 100             | 0                  | 48                             | 10                    | 231                         |                           |                 |                   |                |                   | 1.26                       | 0.83                        | Naugatuck                     | Yes  | Escherichia coli; CAUSE UNKNOWN |
| 170-SS-6372<br>2021-07-19        | 7/19/2021,<br>11:23 AM | 0              | 0               | 480                 | 161             | 0                  | 71                             |                       |                             |                           |                 |                   |                |                   |                            |                             | South Central Western Complex | No   |                                 |
| 170-SS-6376<br>2021-07-19        | 7/19/2021,<br>12:02 PM | 0              | 0               | 370                 | 126             | 0                  | 70                             |                       |                             |                           |                 |                   |                |                   |                            |                             | South Central Western Complex | No   |                                 |
| 170-SS-6387<br>2021-07-19        | 7/19/2021,<br>1:34 PM  | 0              | 0               | 290                 | 98              | 0                  | 77                             |                       |                             |                           |                 |                   |                |                   |                            |                             | South Central Western Complex | Yes  | Escherichia coli; CAUSE UNKNOWN |

|                           |                        |   |   |      |     |   |    |   |    |  |  |  |  |  |  |  |  |     |                                       |
|---------------------------|------------------------|---|---|------|-----|---|----|---|----|--|--|--|--|--|--|--|--|-----|---------------------------------------|
| 170-SS-6388<br>2021-07-19 | 7/19/2021,<br>1:53 PM  | 0 | 0 | 170  | 56  | 0 | 75 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | Yes | Escherichia<br>coli; CAUSE<br>UNKNOWN |
| 170-SS-6412<br>2021-07-19 | 7/19/2021,<br>9:43 AM  | 0 | 0 | 60   | 20  | 0 | 68 |   |    |  |  |  |  |  |  |  | Naugatuck                              | No  |                                       |
| 170-SS-6419<br>2021-07-20 | 7/20/2021,<br>11:37 AM | 0 | 0 | 350  | 112 | 0 | 72 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | No  |                                       |
| 170-SS-6423<br>2021-07-20 | 7/20/2021,<br>10:02 AM | 0 | 0 | 260  | 91  | 0 | 75 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | No  |                                       |
| 170-SS-6446<br>2021-07-20 | 7/20/2021,<br>10:55 AM | 0 | 0 | 230  | 70  | 0 | 68 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | No  |                                       |
| 170-SS-6449<br>2021-07-16 | 7/16/2021,<br>12:26 PM | 0 | 0 | 300  | 105 | 0 | 75 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | Yes | Escherichia<br>coli                   |
| 170-SS-6454<br>2021-07-16 | 7/16/2021,<br>10:22 AM | 0 | 0 | 22.4 | 160 | 0 | 69 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | No  |                                       |
| 170-SS-6455<br>2021-07-20 | 7/20/2021,<br>12:15 PM | 0 | 0 | 680  | 238 | 0 | 76 |   |    |  |  |  |  |  |  |  | South<br>Central<br>Western<br>Complex | No  |                                       |
| 170-SS-7691<br>2022-03-17 | 3/17/2022,<br>8:56 AM  | 0 | 0 | 190  | 100 | 0 | 43 |   |    |  |  |  |  |  |  |  | Farmington                             | No  |                                       |
| 170-SS-7692<br>2022-04-18 | 4/18/2022,<br>7:40 AM  | 0 | 0 | 1010 | 500 | 0 | 46 | 9 | 63 |  |  |  |  |  |  |  | Farmington                             | No  | Escherichia<br>coli                   |
| 170-SS-7694<br>2022-03-16 | 3/16/2022,<br>3:37 PM  | 0 | 0 | 730  | 360 | 0 | 50 |   |    |  |  |  |  |  |  |  | Farmington                             | No  |                                       |



|                           |                        |   |   |       |     |     |    |    |      |  |  |      |       |      |  |  |                         |     |                                 |
|---------------------------|------------------------|---|---|-------|-----|-----|----|----|------|--|--|------|-------|------|--|--|-------------------------|-----|---------------------------------|
| 170-SS-7695<br>2022-03-16 | 3/16/2022,<br>12:23 PM | 0 | 0 | 440   | 200 | 0   | 41 |    |      |  |  |      |       |      |  |  | Farmington              | No  |                                 |
| 170-SS-9206<br>2022-03-17 | 3/17/2022,<br>2:14 PM  | 0 | 0 | 1930  | 920 | 0   | 49 | 10 | 792  |  |  |      |       |      |  |  | Farmington              | No  | Escherichia coli                |
| 170-SS-9596<br>2022-03-17 | 3/17/2022,<br>11:23 AM | 0 | 0 | 490   | 250 | 0   | 41 |    |      |  |  |      |       |      |  |  | Farmington              | No  |                                 |
| 170-SS-9635<br>2022-03-17 | 3/17/2022,<br>11:49 AM | 0 | 0 | 990   | 500 | 0.5 | 43 | 9  | 243  |  |  |      |       |      |  |  | Farmington              | No  |                                 |
| 170-SS-9636<br>2022-03-17 | 3/17/2022,<br>10:40 AM | 0 | 0 | 260   | 120 | 0   | 42 |    |      |  |  |      |       |      |  |  | Farmington              | No  |                                 |
| 170-SS-9664<br>2022-02-16 | 2/16/2022,<br>3:30 PM  | 0 | 0 | 0.38  | 300 | 0.1 | 45 |    |      |  |  |      |       |      |  |  | Naugatuck               | No  |                                 |
| 170-SS-9665<br>2022-02-16 | 2/16/2022,<br>3:01 PM  | 0 | 0 | 0.39  | 300 | 0.1 | 44 |    |      |  |  |      |       |      |  |  | Naugatuck               | No  |                                 |
| 170-SS-9666<br>2022-02-21 | 2/21/2022,<br>12:01 PM | 0 | 0 | 0.29  | 200 | 0   | 46 | 10 | 1290 |  |  |      | 3.27  | 4.68 |  |  | Naugatuck               | Yes | Escherichia coli; CAUSE UNKNOWN |
| 170-SS-9667<br>2022-02-16 | 2/16/2022,<br>3:58 PM  | 0 | 0 | 0.37  | 300 | 0   | 45 |    |      |  |  |      |       |      |  |  | Naugatuck               | No  |                                 |
| 170-SS-9672<br>2022-02-21 | 2/21/2022,<br>10:16 AM | 0 | 0 | 0.173 | 100 | 0.9 | 45 | 10 | 84   |  |  |      |       |      |  |  | Naugatuck               | No  |                                 |
| 170-SS-9689<br>2021-08-10 | 8/10/2021,<br>8:52 AM  | 0 | 0 | 467   | 228 | 0.1 | 74 |    |      |  |  | 4.42 | 0.141 |      |  |  | South Central Shoreline | No  |                                 |

|                           |                     |   |   |       |       |      |    |  |  |  |      |       |  |  |  |  |                         |     |  |
|---------------------------|---------------------|---|---|-------|-------|------|----|--|--|--|------|-------|--|--|--|--|-------------------------|-----|--|
| 170-SS-9697<br>2021-08-06 | 8/6/2021, 9:51 AM   | 0 | 0 | 233.4 | 134.6 | 0.15 | 66 |  |  |  |      |       |  |  |  |  | South Central Shoreline | No  |  |
| 170-SS-9778<br>2021-08-09 | 8/9/2021, 1:06 PM   | 0 | 0 | 617   | 265   | 0.1  | 71 |  |  |  | 1.73 | 0.036 |  |  |  |  | South Central Shoreline | No  |  |
| 170-SS-9783<br>2021-08-09 | 8/9/2021, 1:09 PM   | 0 | 0 | 469   | 222   | 0.15 | 77 |  |  |  | 2.93 | 0.097 |  |  |  |  | South Central Shoreline | No  |  |
| 170-SS-9784<br>2021-08-10 | 8/10/2021, 9:05 AM  | 0 | 0 | 1314  | 650   | 0.15 | 74 |  |  |  | 1.92 | 0.021 |  |  |  |  | South Central Shoreline | No  |  |
| 170-SS-9786<br>2021-08-10 | 8/10/2021, 9:21 AM  | 0 | 0 | 558   | 287   | 0.18 | 75 |  |  |  | 2.66 | 0.016 |  |  |  |  | South Central Shoreline | Yes | FECAL COLIFORM, NUTRIENTS , ENTEROCOCCUSFECAL COLIFORM, NUTRIENTS , ENTEROCOCCUS |
| 170-SS-9837<br>2022-02-16 | 2/16/2022, 10:41 AM | 0 | 0 | 0.284 | 200   | 0    | 45 |  |  |  |      |       |  |  |  |  | Naugatuck               | No  |  |
| 170-SS-9842<br>2022-02-16 | 2/16/2022, 11:30 AM | 0 | 0 | 0.284 | 200   | 0    | 40 |  |  |  |      |       |  |  |  |  | Naugatuck               | No  |  |
| 170-SS-9843<br>2022-02-16 | 2/16/2022, 12:07 PM | 0 | 0 | 0.261 | 200   | 0.1  | 43 |  |  |  |      |       |  |  |  |  | Naugatuck               | No  |  |
| 170-SS-9844<br>2022-02-16 | 2/16/2022, 12:38 PM | 0 | 0 | 0.5   | 400   | 0    | 41 |  |  |  |      |       |  |  |  |  | Naugatuck               | No  |  |

|                            |                        |   |   |       |     |     |    |    |      |  |  |  |  |  |  |  |  |           |     |                  |
|----------------------------|------------------------|---|---|-------|-----|-----|----|----|------|--|--|--|--|--|--|--|--|-----------|-----|------------------|
| 170-SS-9846<br>2022-02-16  | 2/16/2022,<br>1:17 PM  | 0 | 0 | 0.377 | 300 | 0   | 47 |    |      |  |  |  |  |  |  |  |  | Naugatuck | No  |                  |
| 170-SS-9864<br>2022-05-06  | 5/6/2022, 7:52<br>AM   | 0 | 0 | 0.23  | 100 | 0   | 56 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9866<br>2022-05-06  | 5/6/2022, 8:23<br>AM   | 0 | 0 | 0.413 | 300 | 0.1 | 55 | 20 | 2140 |  |  |  |  |  |  |  |  | Saugatuck | Yes | Escherichia coli |
| 170-SS-9869<br>2022-05-10  | 5/10/2022,<br>10:08 AM | 0 | 0 | 0.56  | 400 | 0.2 | 56 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9882<br>2022-05-06  | 5/6/2022,<br>10:44 AM  | 0 | 0 | 0.131 | 100 | 0.2 | 58 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9887<br>2022-05-06  | 5/6/2022,<br>11:14 AM  | 0 | 0 | 0.304 | 200 | 0.1 | 52 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9889<br>2022-05-10  | 5/10/2022,<br>11:43 AM | 0 | 0 | 0.206 | 100 | 0.1 | 59 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9891<br>2022-05-10  | 5/10/2022,<br>1:17 PM  | 0 | 0 | 0.295 | 200 | 0   | 62 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9905<br>2022-05-10  | 5/10/2022,<br>11:01 AM | 0 | 0 | 0.261 | 200 | 0.1 | 56 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |
| 170-SS-9921<br>2022-05-06  | 5/6/2022,<br>10:02 AM  | 0 | 0 | 0.364 | 200 | 0.1 | 55 |    |      |  |  |  |  |  |  |  |  | Norwalk   | No  |                  |
| 170-SS-10066<br>2022-03-16 | 3/16/2022,<br>12:39 PM | 0 | 0 | 0.058 | 0   | 0.1 | 53 |    |      |  |  |  |  |  |  |  |  | Saugatuck | No  |                  |

|                            |                        |     |     |       |     |     |    |    |     |  |  |  |  |  |      |  |  |    |                                       |
|----------------------------|------------------------|-----|-----|-------|-----|-----|----|----|-----|--|--|--|--|--|------|--|--|----|---------------------------------------|
| 170-SS-10072<br>2022-03-15 | 3/15/2022,<br>1:49 PM  | 0.2 | 0   | 0.169 | 100 | 0   | 54 |    |     |  |  |  |  |  |      |  | Saugatuck                              | No |                                       |
| 170-SS-10074<br>2022-03-15 | 3/15/2022,<br>1:17 PM  | 0   | 0   | 0.27  | 200 | 0   | 52 |    |     |  |  |  |  |  |      |  | Saugatuck                              | No |                                       |
| 170-SS-10092<br>2022-03-16 | 3/16/2022,<br>11:48 AM | 0   | 0   | 0.159 | 100 | 0   | 55 |    |     |  |  |  |  |  |      |  | Southwest<br>Eastern                   | No |                                       |
| 170-SS-10097<br>2022-03-16 | 3/16/2022,<br>10:52 AM | 0   | 0   | 0.174 | 100 | 0.1 | 50 |    |     |  |  |  |  |  |      |  | Southwest<br>Eastern                   | No |                                       |
| 170-SS-10104<br>2022-03-16 | 3/16/2022,<br>10:07 AM | 0   | 0   | 0.431 | 300 | 0   | 48 |    |     |  |  |  |  |  |      |  | Southwest<br>Eastern                   | No |                                       |
| 170-SS-10123<br>2022-03-16 | 3/16/2022,<br>9:21 AM  | 0   | 0   | 0.146 | 100 | 0.1 | 45 |    |     |  |  |  |  |  |      |  | Southwest<br>Eastern                   | No |                                       |
| 170-SS-10366<br>2022-02-14 | 2/14/2022,<br>1:26 PM  | 0   | 0   | 300   | 155 | 0   | 43 |    |     |  |  |  |  |  |      |  | Naugatuck                              | No |                                       |
| 170-SS-10423<br>2021-11-05 | 11/5/2021,<br>1:01 PM  | 0   | 0   | 320   | 150 | 0.5 | 48 | 10 | 910 |  |  |  |  |  |      |  | South<br>Central<br>Shoreline          | No |                                       |
| 170-SS-10541<br>2022-01-04 | 1/4/2022,<br>10:05 AM  | 0   | 0.5 | 365   | 166 | 0.5 | 41 | 0  | 0   |  |  |  |  |  | 0.31 |  | South<br>Central<br>Eastern<br>Complex | No | Escherichia<br>coli; CAUSE<br>UNKNOWN |
| 170-SS-10564<br>2021-11-05 | 11/5/2021,<br>9:42 AM  | 0   | 0   | 390   | 180 | 0   | 51 |    |     |  |  |  |  |  |      |  | South<br>Central<br>Eastern<br>Complex | No |                                       |
| 170-SS-10571<br>2021-11-04 | 11/4/2021,<br>2:01 PM  | 0   | 0   | 510   | 250 | 0   | 53 |    |     |  |  |  |  |  |      |  | South<br>Central<br>Shoreline          | No |                                       |

|                            |                        |   |   |      |     |   |    |   |     |  |  |  |  |     |      |  |  |    |                     |
|----------------------------|------------------------|---|---|------|-----|---|----|---|-----|--|--|--|--|-----|------|--|--|----|---------------------|
| 170-SS-10594<br>2021-11-08 | 11/8/2021,<br>11:25 AM | 0 | 0 | 640  | 320 | 0 | 57 |   |     |  |  |  |  |     |      |  | South<br>Central<br>Shoreline          | No |                     |
| 170-SS-10609<br>2021-11-03 | 11/3/2021,<br>2:06 PM  | 0 | 0 | 310  | 160 | 0 | 54 |   |     |  |  |  |  |     |      |  | South<br>Central<br>Eastern<br>Complex | No | CAUSE<br>UNKNOWN    |
| 170-SS-10609<br>2021-11-10 | 11/10/2021,<br>2:18 PM | 0 | 0 | 330  | 160 | 0 | 55 |   |     |  |  |  |  | 2.2 | 6.12 |  | South<br>Central<br>Eastern<br>Complex | No | CAUSE<br>UNKNOWN    |
| 170-SS-10614<br>2021-11-03 | 11/3/2021,<br>12:04 PM | 0 | 0 | 820  | 400 | 0 | 53 |   |     |  |  |  |  |     |      |  | South<br>Central<br>Eastern<br>Complex | No |                     |
| 170-SS-11058<br>2022-02-14 | 2/14/2022,<br>10:40 AM | 0 | 0 | 550  | 270 | 0 | 39 |   |     |  |  |  |  |     |      |  | Naugatuck                              | No |                     |
| 170-SS-11060<br>2022-02-14 | 2/14/2022,<br>1:53 PM  | 0 | 0 | 390  | 189 | 0 | 42 | 9 | 122 |  |  |  |  |     |      |  | Naugatuck                              | No | Escherichia<br>coli |
| 170-SS-11110<br>2022-02-15 | 2/15/2022,<br>12:30 PM | 0 | 0 | 580  | 287 | 0 | 41 |   |     |  |  |  |  |     |      |  | Naugatuck                              | No |                     |
| 170-SS-11112<br>2022-02-15 | 2/15/2022,<br>12:48 PM | 0 | 0 | 510  | 259 | 0 | 41 |   |     |  |  |  |  |     |      |  | Naugatuck                              | No |                     |
| 170-SS-11157<br>2022-02-16 | 2/16/2022,<br>9:05 AM  | 0 | 0 | 430  | 210 | 0 | 41 |   |     |  |  |  |  |     |      |  | Naugatuck                              | No |                     |
| 170-SS-11165<br>2022-02-16 | 2/16/2022,<br>9:32 AM  | 0 | 0 | 780  | 392 | 0 | 41 |   |     |  |  |  |  |     |      |  | Naugatuck                              | No |                     |
|                            | 6/20/2022,<br>11:58 AM | 0 | 0 | 0.22 | 100 | 0 | 67 |   |     |  |  |  |  |     |      |  | South<br>Central<br>Shoreline          | No |                     |

|                            |                        |   |   |      |     |      |    |   |     |    |  |  |  |      |      |  |  |     |   |
|----------------------------|------------------------|---|---|------|-----|------|----|---|-----|----|--|--|--|------|------|--|--|-----|---|
| 170-SS-11459<br>2022-02-17 | 2/17/2022,<br>11:09 AM | 0 | 0 | 702  | 534 | 1.8  | 48 |   |     | 9  |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | Yes | Fecal<br>Coliform   |
| 170-SS-11463<br>2022-02-17 | 2/17/2022,<br>12:19 PM | 0 | 0 | 836  | 403 | 0.25 | 52 |   |     | 10 |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | No  |   |
| 170-SS-11465<br>2022-02-14 | 2/14/2022,<br>10:58 AM | 0 | 0 | 233  | 123 | 0.12 | 43 |   |     |    |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | No  |   |
| 170-SS-11467<br>2022-02-17 | 2/17/2022,<br>12:18 PM | 0 | 0 | 418  | 195 | 0.5  | 49 | 9 |     |    |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | No  |   |
| 170-SS-11481<br>2022-02-17 | 2/17/2022,<br>12:11 PM | 0 | 0 | 492  | 220 | 0.3  | 50 | 9 |     |    |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | No  |   |
| 170-SS-11488<br>2022-02-16 | 2/16/2022,<br>10:59 AM | 0 | 0 | 635  | 307 | 0.2  | 48 |   |     |    |  |  |  |      |      |  | South<br>Central<br>Shoreline          | No  |   |
| 170-SS-11493<br>2022-02-11 | 2/11/2022,<br>11:23 AM | 0 | 0 | 427  | 192 | 0.15 | 50 |   |     |    |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | No  |   |
| 170-SS-11494<br>2022-02-11 | 2/11/2022,<br>10:56 AM | 0 | 0 | 231  | 108 | 0.18 | 53 |   |     |    |  |  |  |      |      |  | South<br>Central<br>Eastern<br>Complex | No  |   |
| 170-SS-11498<br>2022-02-16 | 2/16/2022,<br>1:03 PM  | 0 | 0 | 130  | 60  | 0    | 42 | 9 | 31  |    |  |  |  | 1.7  | 0.81 |  | Naugatuck                              | Yes | Escherichia<br>coli, Cause<br>Unknown   |
| 170-SS-11499<br>2022-02-16 | 2/16/2022,<br>12:52 PM | 0 | 0 | 1010 | 490 | 0    | 43 | 9 | 134 |    |  |  |  | 1.86 | 4.28 |  | Naugatuck                              | Yes | Escherichia<br>coli, Cause<br>Unknown,<br>Escherichia<br>coli, Cause<br>Unknown |

|                            |                        |      |   |      |     |   |    |  |  |  |  |  |  |  |  |  |            |    |  |
|----------------------------|------------------------|------|---|------|-----|---|----|--|--|--|--|--|--|--|--|--|------------|----|--|
| 170-SS-11522<br>2022-01-26 | 1/26/2022,<br>10:09 AM | 0    | 0 | 1060 | 532 | 0 | 35 |  |  |  |  |  |  |  |  |  | Farmington | No |  |
| 170-SS-11523<br>2022-01-26 | 1/26/2022,<br>9:57 AM  | 0    | 0 | 510  | 259 | 0 | 35 |  |  |  |  |  |  |  |  |  | Farmington | No |  |
| 170-SS-11524<br>2022-01-11 | 1/11/2022,<br>11:30 AM | 0    | 0 | 290  | 140 | 0 | 42 |  |  |  |  |  |  |  |  |  | Farmington | No |  |
| 170-SS-11525<br>2022-02-14 | 2/14/2022,<br>9:48 AM  | 0    | 0 | 1110 | 553 | 0 | 42 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11526<br>2022-02-14 | 2/14/2022,<br>10:19 AM | 0    | 0 | 790  | 400 | 0 | 34 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11571<br>2022-02-15 | 2/15/2022,<br>10:43 AM | 0.25 | 0 | 590  | 294 | 0 | 40 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11579<br>2022-02-15 | 2/15/2022,<br>11:41 AM | 0    | 0 | 440  | 217 | 0 | 44 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11585<br>2022-02-14 | 2/14/2022,<br>11:13 AM | 0    | 0 | 680  | 343 | 0 | 38 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11586<br>2022-02-14 | 2/14/2022,<br>11:40 AM | 0    | 0 | 470  | 231 | 0 | 43 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11589<br>2022-02-14 | 2/14/2022,<br>12:30 PM | 0    | 0 | 570  | 294 | 0 | 39 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |
| 170-SS-11590<br>2022-02-14 | 2/14/2022,<br>12:54 PM | 0    | 0 | 590  | 294 | 0 | 38 |  |  |  |  |  |  |  |  |  | Naugatuck  | No |  |

|                            |                        |   |   |      |     |   |    |    |     |  |  |  |      |      |  |  |            |     |                                 |
|----------------------------|------------------------|---|---|------|-----|---|----|----|-----|--|--|--|------|------|--|--|------------|-----|---------------------------------|
| 170-SS-11617<br>2022-01-26 | 1/26/2022,<br>8:56 AM  | 0 | 0 | 1870 | 945 | 0 | 33 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11618<br>2022-01-25 | 1/25/2022,<br>12:00 PM | 0 | 0 | 1200 | 600 | 0 | 40 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11619<br>2022-01-25 | 1/25/2022,<br>11:47 AM | 0 | 0 | 190  | 100 | 0 | 34 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11620<br>2022-01-25 | 1/25/2022,<br>11:12 AM | 0 | 0 | 180  | 90  | 0 | 37 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11621<br>2022-01-25 | 1/25/2022,<br>10:27 AM | 0 | 0 | 1080 | 504 | 0 | 41 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11623<br>2022-01-25 | 1/25/2022,<br>10:05 AM | 0 | 0 | 420  | 200 | 0 | 50 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11635<br>2022-01-13 | 1/13/2022,<br>12:45 PM | 0 | 0 | 420  | 196 | 0 | 47 |    |     |  |  |  |      |      |  |  | Farmington | No  |                                 |
| 170-SS-11643<br>2022-01-13 | 1/13/2022,<br>10:39 AM | 0 | 0 | 280  | 133 | 0 | 41 |    |     |  |  |  |      |      |  |  | Farmington | No  |                                 |
| 170-SS-11649<br>2022-01-25 | 1/25/2022,<br>12:46 PM | 0 | 0 | 600  | 308 | 0 | 43 |    |     |  |  |  |      |      |  |  | Park       | No  |                                 |
| 170-SS-11720<br>2022-02-16 | 2/16/2022,<br>12:00 AM | 0 | 0 | 490  | 250 | 0 | 41 | 10 | 221 |  |  |  | 1.23 | 0.17 |  |  | Naugatuck  | Yes | Escherichia coli, Cause Unknown |
| 170-SS-11722<br>2022-02-16 | 2/16/2022,<br>10:04 AM | 0 | 0 | 370  | 182 | 0 | 52 |    |     |  |  |  |      |      |  |  | Naugatuck  | No  |                                 |



|                            |                        |   |   |     |     |      |    |       |       |  |  |  |   |  |      |       |                               |         |   |
|----------------------------|------------------------|---|---|-----|-----|------|----|-------|-------|--|--|--|---|--|------|-------|-------------------------------|---------|---|
| 170-SS-11725<br>2022-02-15 | 2/15/2022,<br>1:04 PM  | 0 | 0 | 470 | 220 | 0.25 | 45 | 20    | 563   |  |  |  |   |  | 1.23 | 0.98  | Naugatuck                     | Yes     | Escherichia coli, Cause Unknown                   |
| 170-SS-11728<br>2022-02-15 | 2/15/2022,<br>12:49 PM | 0 | 0 | 240 | 126 | 3    | 45 | 24200 | 24200 |  |  |  |   |  | 1.23 | 17.88 | Naugatuck                     | Yes     | Escherichia coli, Cause Unknown                   |
| 170-SS-11739<br>2022-02-15 | 2/15/2022,<br>10:16 AM | 0 | 0 | 330 | 154 | 0    | 44 | 10    | 62    |  |  |  | 0 |  | 1.23 | 0     | Naugatuck                     | Yes     | Escherichia coli, Cause Unknown, Phosphorus Total |
| 170-SS-11740<br>2022-02-15 | 2/15/2022,<br>9:52 AM  | 0 | 0 | 240 | 140 | 0    | 42 |       |       |  |  |  |   |  |      |       | Naugatuck                     | No      |   |
| 170-SS-11745<br>2022-02-15 | 2/15/2022,<br>8:53 AM  | 0 | 0 | 180 | 91  | 0    | 41 |       |       |  |  |  |   |  |      |       | Naugatuck                     | Unknown |   |
| 170-SS-11748<br>2022-02-15 | 2/15/2022,<br>8:57 AM  | 0 | 0 | 170 | 84  | 0    | 42 |       |       |  |  |  |   |  |      |       | Naugatuck                     | Unknown |   |
| 170-SS-11751<br>2022-02-11 | 2/11/2022,<br>10:39 AM | 0 | 0 | 331 | 155 | 0.05 | 46 |       |       |  |  |  |   |  |      |       | South Central Eastern Complex | No      |   |
| 170-SS-11774<br>2022-02-09 | 2/9/2022,<br>12:26 PM  | 0 | 0 | 211 | 115 | 0.1  | 46 |       |       |  |  |  |   |  |      |       | South Central Eastern Complex | No      |   |
| 170-SS-11794<br>2022-02-09 | 2/9/2022,<br>10:24 AM  | 0 | 0 | 178 | 89  | 0.1  | 44 |       |       |  |  |  |   |  |      |       | Mattabeset                    | No      |   |
| 170-SS-11795<br>2022-02-09 | 2/9/2022, 9:41 AM      | 0 | 0 | 238 | 121 | 0.15 | 44 |       |       |  |  |  |   |  |      |       | Mattabeset                    | Yes     | Escherichia coli                                  |
| 170-SS-11915<br>2022-02-14 | 2/14/2022,<br>11:42 AM | 0 | 0 | 290 | 133 | 0    | 39 |       |       |  |  |  |   |  |      |       | Naugatuck                     | No      |   |

|                            |                       |   |   |     |     |     |    |    |      |  |  |  |  |      |      |       |           |      |                                 |    |
|----------------------------|-----------------------|---|---|-----|-----|-----|----|----|------|--|--|--|--|------|------|-------|-----------|------|---------------------------------|----|
| 170-SS-11916<br>2022-02-16 | 2/16/2022,<br>8:49 AM | 0 | 0 | 210 | 105 | 0   | 42 |    |      |  |  |  |  |      |      |       | Naugatuck | No   |                                 |    |
| 170-SS-11922<br>2022-02-15 | 2/15/2022,<br>2:40 PM | 0 | 0 | 380 | 196 | 0   | 42 |    |      |  |  |  |  |      |      |       | Naugatuck | No   |                                 |    |
| 170-SS-11923<br>2022-02-15 | 2/15/2022,<br>2:26 PM | 0 | 0 | 810 | 399 | 0   | 47 |    |      |  |  |  |  |      |      |       | Naugatuck | No   |                                 |    |
| 170-SS-12242<br>2022-02-14 | 2/14/2022,<br>2:49 PM | 0 | 0 | 290 | 140 |     | 39 | 9  | 110  |  |  |  |  | 1.58 | 1    |       | Naugatuck | Yes  | Escherichia coli, Cause Unknown |    |
| 170-SS-12243<br>2022-02-15 | 2/15/2022,<br>1:52 PM | 0 | 0 | 490 | 252 | 0   | 42 | 9  | 10   |  |  |  |  | 1.58 | 1.49 |       | Naugatuck | Yes  | Escherichia coli, Cause Unknown |    |
| 170-SS-12366<br>2022-02-21 | 2/21/2022,<br>1:01 PM | 0 | 0 | 0.2 | 100 | 0.1 | 46 | 20 | 7270 |  |  |  |  |      |      | 0.014 |           | 4.25 | Naugatuck                       | No |

## PART III

Additional IDDE Program Data

Outfall and Interconnection Screening Data

Wet weather sample and inspection data (Section 2.2)

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date     | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Enterococci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause                              |
|--|------------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|----------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|--|
| 170-SS-19<br>2022-03-17                    | 3/17/2022,<br>11:39 AM | 0.2               | 0                  | 1.54                   | 1100               | 0.1                   | 52                                   |                             |                                       |                                  |  |                    |                      |                   |                         | 2.21                                | 3.7                                  | Housatonic<br>Main Stem       | Housatonic<br>River              | Yes  | CAUSE<br>UNKNOWN   |
| 170-SS-<br>2236 2022-<br>04-06             | 4/6/2022,<br>7:28 AM   | 0.2               | 0                  | 0.398                  | 300                | 0.4                   | 50                                   | 231                         | 24200                                 |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck<br>River               | No   |  |
| 170-SS-<br>2483 2022-<br>03-24             | 3/24/2022,<br>12:46 PM | 0                 | 0                  | 530                    | 266                | 0                     | 46                                   | 448                         | 3970                                  |                                  |  |                    | 0                    |                   |                         | 4.53                                | 5.29                                 | Quinnipiac                    | Quinnipiac<br>River              | Yes  | Escherichia coli;<br>CAUSE<br>UNKNOWN;<br>PHOSPHORUS,<br>TOTAL |
| 170-SS-<br>2484 2022-<br>03-24             | 3/24/2022,<br>8:57 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac<br>River              | Yes  | Escherichia coli;<br>CAUSE<br>UNKNOWN;<br>PHOSPHORUS,<br>TOTAL |
| 170-SS-<br>2484 2022-<br>04-01             | 4/1/2022,<br>10:28 AM  | 0                 | 0                  | 301                    | 151                | 0                     | 56                                   | 530                         | 8660                                  |                                  |  |                    | 0                    |                   |                         | 13.5                                | 13.5                                 | Quinnipiac                    | Quinnipiac<br>River              | Yes  | Escherichia coli;<br>CAUSE<br>UNKNOWN;<br>PHOSPHORUS,<br>TOTAL |
| 170-SS-<br>2486 2022-<br>03-24             | 3/24/2022,<br>9:37 AM  | 0                 | 0                  | 220                    | 112                | 0                     | 44                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac<br>River              | No   |  |
| 170-SS-<br>2487 2022-<br>03-24             | 3/24/2022,<br>10:00 AM | 0                 | 0                  | 380                    | 189                | 3                     | 45                                   | 1730                        | 24200                                 |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac<br>River              | No   |  |
| 170-SS-<br>2489 2022-<br>03-24             | 3/24/2022,<br>8:03 AM  | 0                 | 0                  | 359                    | 200                | 0                     | 44                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac<br>River              | No   |  |
| 170-SS-<br>2492 2022-<br>05-19             | 5/19/2022,<br>9:19 AM  | 0                 | 0                  | 213                    | 107                | 0                     | 61                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Sodom<br>Brook                   | No   |  |
| 170-SS-<br>2495 2022-<br>03-24             | 3/24/2022,<br>12:04 PM | 0                 | 0                  | 886                    | 551                | 0.25                  | 46                                   | 97                          | 19900                                 |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Sodom<br>Brook                   | No   |  |
| 170-SS-<br>2517 2022-<br>04-01             | 4/1/2022,<br>11:16 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Mattabeset                    | Belcher<br>Brook                 | No   |  |
| 170-SS-<br>2517 2022-<br>05-19             | 5/19/2022,<br>10:55 AM | 0                 | 0                  | 315                    | 0                  | 0                     | 60                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Mattabeset                    | Belcher<br>Brook                 | No   |  |
| 170-SS-<br>2526 2022-<br>03-24             | 3/24/2022,<br>10:30 AM | 0                 | 0                  | 301                    | 144                | 0                     | 48                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac<br>River              | No   |  |
| 170-SS-<br>2531 2022-<br>03-24             | 3/24/2022,<br>10:52 AM | 0                 | 0                  | 682                    | 336                | 0                     | 47                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Sodom<br>Brook                   | No   |  |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date  | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause  |
|--|---------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|------------------------------------|
| 170-SS-2564 2022-05-19                     | 5/19/2022, 10:28 AM | 0                 | 0                  | 519                    | 256                | 0                     | 61                                   |                             |                                       |                                      |  |                    |                      |                   |                         | 3.46                                | 5.37                                 | Quinnipiac                    | Harbor Brook                     | Yes  | CAUSE UNKNOWN                      |
| 170-SS-2566 2022-05-19                     | 5/19/2022, 9:57 AM  | 0                 | 0                  | 366                    | 182                | 0                     | 62                                   |                             |                                       |                                      |  |                    |                      |                   |                         | 4                                   | 12                                   | Quinnipiac                    | Harbor Brook                     | Yes  | CAUSE UNKNOWN                      |
| 170-SS-2567 2022-03-24                     | 3/24/2022, 12:42 PM | 0                 | 0                  | 360                    | 148                | 0                     | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac River                 | No   |                                    |
| 170-SS-2994 2022-03-24                     | 3/24/2022, 1:14 PM  | 0                 | 0                  | 546                    | 200                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Harbor Brook                     | No   |                                    |
| 170-SS-2995 2022-04-01                     | 4/1/2022, 10:45 AM  | 0                 | 0                  | 560                    | 278                | 0                     | 54                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac River                 | No   |                                    |
| 170-SS-3004 2022-03-24                     | 3/24/2022, 10:58 AM | 0                 | 0                  | 500                    | 252                | 0                     | 44                                   | 279                         | 12000                                 |                                      |  |                    |                      |                   |                         | 7.29                                | 107                                  | Quinnipiac                    | Sodom Brook                      | Yes  | Escherichia coli;<br>CAUSE UNKNOWN |
| 170-SS-3006 2022-03-24                     | 3/24/2022, 11:48 AM | 0                 | 0                  | 720                    | 357                | 0.25                  | 47                                   | 135                         | 15500                                 |                                      |  |                    |                      |                   |                         | 8.12                                | 15.4                                 | Quinnipiac                    | Sodom Brook                      | Yes  | Escherichia coli;<br>CAUSE UNKNOWN |
| 170-SS-3008 2022-05-19                     | 5/19/2022, 8:43 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                    | Quinnipiac River                 | Yes  | Escherichia coli;<br>CAUSE UNKNOWN |
| 170-SS-3010 2022-05-19                     | 5/19/2022, 8:53 AM  | 0                 | 0                  | 430                    | 213                | 0                     | 61                                   | 175                         |                                       |                                      |  |                    |                      |                   |                         | 1.82                                | 1.7                                  | Quinnipiac                    | Quinnipiac River                 | Yes  | Escherichia coli;<br>CAUSE UNKNOWN |
| 170-SS-5299 2022-03-24                     | 3/24/2022, 10:27 AM | 0                 | 0                  | 269                    | 121                | 0.5                   | 47                                   | 201                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Latimer Brook                    | No   |                                    |
| 170-SS-5300 2022-03-24                     | 3/24/2022, 10:41 AM | 0                 | 0                  | 330                    | 158                | 0.75                  | 45                                   | 41                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Latimer Brook                    | No   |                                    |
| 170-SS-5319 2022-07-24                     | 3/24/2022, 11:10 AM | 0                 | 0                  | 170.8                  | 80.5               | 0.5                   | 45                                   | 108                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Pattagansett River               | No   |                                    |
| 170-SS-5334                                | 3/24/2022, 2:10 PM  | 0                 | 0                  | 542                    | 246                | 0.75                  | 45                                   | 146                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Pattagansett River               | No   |                                    |
| 170-SS-5337 2022-03-24                     | 3/24/2022, 11:29 AM | 0                 | 0                  | 201                    | 94                 | 0.3                   | 45                                   | 399                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Pattagansett River               | No   |                                    |
| 170-SS-5339 2022-03-24                     | 3/24/2022, 11:39 AM | 0                 | 0                  | 107                    | 50                 | 0.25                  | 44                                   | 201                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Pattagansett River               | No   |                                    |
| 170-SS-5340 2022-03-24                     | 3/24/2022, 11:50 AM | 0                 | 0                  | 406                    | 188                | 0.5                   | 46                                   | 52                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Western Complex     | Pattagansett River               | No   |                                    |
| 170-SS-5541 2022-04-06                     | 4/6/2022, 9:30 AM   | 0                 | 0                  | 27.7                   | 12.5               | 1                     | 52                                   | 10                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Eastern Complex     | Copps Brook                      | No   |                                    |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause                                    |
|--|--------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|--|
| 170-SS-5542 2022-04-06                     | 4/6/2022, 9:42 AM  | 0                 | 0                  | 235                    | 108                | 0.5                   | 51                                   | 20                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Southeast Eastern Complex     | Copps Brook                      | No   |  |
| 170-SS-5555 2022-04-06                     | 4/6/2022, 8:31 AM  | 0                 | 0                  | 52.8                   | 23.8               | 0.5                   | 53                                   |                             |                                       | 309                                  |  |                    |                      |                   |                         |                                     |                                      | Southeast Eastern Complex     | Mystic River                     | Yes  | FECAL COLIFORM<br>FECAL COLIFORM                                     |
| 170-SS-5559                                | 4/6/2022, 5:26 PM  | 0                 | 0                  | 38.8                   | 18.2               | 0.5                   | 51                                   |                             |                                       | 295                                  |  | 0.65               | 0.066                |                   |                         |                                     |                                      | Southeast Shoreline           | Southeast Shoreline              | Yes  | DISSOLVED OXYGEN, Fecal Coliform<br>DISSOLVED OXYGEN, Fecal Coliform |
| 170-SS-5565 2022-04-06                     | 4/6/2022, 10:25 AM | 0                 | 0                  | 157.4                  | 75.2               | 0.75                  | 51                                   |                             |                                       | 110                                  |  |                    |                      |                   |                         |                                     |                                      | Southeast Eastern Complex     | Copps Brook                      | No   |  |
| 170-SS-5566 2022-04-06                     | 4/6/2022, 10:22 AM | 0                 | 0                  | 37.3                   | 16.5               | 0.75                  | 52                                   |                             |                                       | 187                                  |  |                    |                      |                   |                         |                                     |                                      | Southeast Shoreline           | Southeast Shoreline              | Yes  | Fecal Coliform   |
| 170-SS-5581 2022-04-06                     | 4/6/2022, 2:28 PM  | 0.5               | 0                  | 311                    | 148                | 0.25                  | 57                                   | 31                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   |  |
| 170-SS-5585 2022-04-06                     | 4/6/2022, 2:30 PM  | 0                 | 0                  | 117                    | 57                 | 0.25                  | 57                                   | 20                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   | Bacteria   |
| 170-SS-5586 2022-04-06                     | 4/6/2022, 2:29 PM  | 0                 | 0                  | 215                    | 101                | 0.25                  | 56                                   | 120                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | Yes  | Escherichia coli   |
| 170-SS-5587 2022-04-06                     | 4/6/2022, 2:31 PM  | 0.5               | 0                  | 87                     | 37                 | 0.5                   | 53                                   | 63                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   |  |
| 170-SS-5588 2022-04-06                     | 4/6/2022, 2:33 PM  | 0                 | 0                  | 60.3                   | 28                 | 0.25                  | 55                                   | 20                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   |  |
| 170-SS-5589 2022-04-06                     | 4/6/2022, 2:35 PM  | 0                 | 0                  | 148                    | 73                 | 0.25                  | 56                                   | 41                          |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   |  |
| 170-SS-5590 2022-04-06                     | 4/6/2022, 2:34 PM  | 0                 | 0                  | 120                    | 52                 | 0.25                  | 56                                   | 457                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   |  |
| 170-SS-5591 2022-04-06                     | 4/6/2022, 2:37 PM  | 0                 | 0                  | 253                    | 115                | 0.25                  | 55                                   | 144                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | Yes  | Escherichia coli   |
| 170-SS-5593 2022-04-06                     | 4/6/2022, 2:36 PM  | 0                 | 0                  | 175                    | 61                 | 0.25                  | 56                                   | 109                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Pawcatuck Main Stem           | Pawcatuck River                  | No   |  |
| 170-SS-5607 2022-04-06                     | 4/6/2022, 10:39 AM | 0                 | 0                  | 60.2                   | 26                 | 0.25                  | 49                                   |                             |                                       | 233                                  |  |                    |                      |                   |                         |                                     |                                      | Southeast Shoreline           | Southeast Shoreline              | Yes  | Fecal Coliform   |
| 170-SS-5610 2022-04-06                     | 4/6/2022, 8:26 AM  | 0.2               | 0                  | 0.152                  | 100                | 0.1                   | 50                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | No   |  |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause                  |
|--|--------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|--|
| 170-SS-5612 2022-06-09                     | 6/9/2022, 7:23 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | No   |  |
| 170-SS-5625 2022-06-09                     | 6/9/2022, 7:37 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | Yes  | PHOSPHORUS, TOTAL; Escherichia coli; CAUSE UNKNOWN |
| 170-SS-5783 2022-04-19                     | 4/19/2022, 9:32 AM | 0                 | 0                  | 0.03                   | 0                  | 0.1                   | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | No   |  |
| 170-SS-5793 2022-04-06                     | 4/6/2022, 10:28 AM | 0.1               | 0                  | 0.0748                 | 100                | 0                     | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | No   |  |
| 170-SS-5900 2022-06-09                     | 6/9/2022, 7:54 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Beacon Hill Brook                | No   |  |
| 170-SS-5901 2022-04-19                     | 4/19/2022, 8:47 AM | 0                 | 0                  | 0.44                   | 300                | 0.1                   | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Beacon Hill Brook                | No   |  |
| 170-SS-6062 2022-04-19                     | 4/19/2022, 8:11 AM | 0                 | 0                  | 0.072                  | 0                  | 0.2                   | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Beacon Hill Brook                | No   |  |
| 170-SS-6065 2022-04-06                     | 4/6/2022, 1:11 PM  | 0                 | 0                  | 0.36                   | 200                | 0.4                   | 50                                   | 171                         | 5790                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Beacon Hill Brook                | No   |  |
| 170-SS-6077 2022-04-06                     | 4/6/2022, 11:15 AM | 0.25              | 0                  | 0.3642                 | 200                | 0                     | 51                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | No   |  |
| 170-SS-6137 2022-04-06                     | 4/6/2022, 11:23 AM | 0                 | 0                  | 0.306                  | 200                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Naugatuck River                  | No   |  |
| 170-SS-6141 2022-04-06                     | 4/6/2022, 11:40 AM | 0                 | 0                  | 0.36                   | 200                | 0.4                   | 50                                   | 256                         | 24200                                 |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-6152 2022-04-06                     | 4/6/2022, 2:34 PM  | 0                 | 0                  | 0.175                  | 100                | 0.2                   | 51                                   | 228                         | 4350                                  |                                      |  |                    |                      |                   |                         | 2.9                                 | 14.2                                 | Naugatuck                     | Hop Brook                        | Yes  | Escherichia coli; CAUSE UNKNOWN                    |
| 170-SS-6153 2022-04-06                     | 4/6/2022, 9:24 AM  | 0                 | 0                  | 0.154                  | 100                | 0                     | 50                                   | 327                         | 4880                                  |                                      |  |                    |                      |                   |                         | 2.8                                 | 5.9                                  | Naugatuck                     | Hop Brook                        | Yes  | Escherichia coli; CAUSE UNKNOWN                    |
| 170-SS-6154 2022-04-06                     | 4/6/2022, 10:34 AM | 0                 | 0                  | 0.246                  | 200                | 0                     | 47                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Hop Brook                        | No   |  |
| 170-SS-6371 2022-06-09                     | 6/9/2022, 10:02 AM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Sargent River                    | No   |  |
| 170-SS-6372 2022-03-25                     | 3/25/2022, 8:50 AM | 0                 | 0                  | 611                    | 304                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |  |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date  | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause |
|--|---------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|-----------------------------------|
| 170-SS-6374 2022-03-25                     | 3/25/2022, 12:19 PM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6375 2022-03-25                     | 3/25/2022, 12:29 PM | 0                 | 0                  | 350                    | 175                | 0                     | 53                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6376 2022-03-25                     | 3/25/2022, 12:17 PM | 0                 | 0                  | 395                    | 200                | 0                     | 53                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6377 2022-03-25                     | 3/25/2022, 12:29 PM | 0                 | 0                  | 302                    | 153                | 0                     | 55                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6379 2022-03-25                     | 3/25/2022, 8:13 AM  | 0                 | 0                  | 560                    | 278                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6380 2022-03-25                     | 3/25/2022, 8:12 AM  | 0                 | 0                  | 700                    | 350                | 0                     | 46                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6381 2022-03-25                     | 3/25/2022, 1:13 PM  | 0                 | 0                  | 760                    | 378                | 0                     | 56                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6383 2022-03-25                     | 3/25/2022, 1:27 PM  | 0                 | 0                  | 390                    | 182                | 0                     | 57                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6386 2022-03-25                     | 3/25/2022, 10:46 AM | 0                 | 0                  | 190                    | 98                 | 0                     | 50                                   | 9                           | 2600                                  |                                      |  |                    |                      |                   |                         | 2.01                                | 1.98                                 | South Central Western Complex | West River                       | Yes  | Escherichia coli; CAUSE UNKNOWN   |
| 170-SS-6387 2022-03-25                     | 3/25/2022, 10:41 AM | 0                 | 0                  | 301                    | 149                | 0                     | 51                                   | 63                          | 4880                                  |                                      |  |                    |                      |                   |                         | 2.02                                | 3.92                                 | South Central Western Complex | West River                       | Yes  | Escherichia coli; CAUSE UNKNOWN   |
| 170-SS-6388 2022-03-25                     | 3/25/2022, 11:12 AM | 0                 | 0                  | 150                    | 70                 | 0                     | 49                                   | 41                          | 1150                                  |                                      |  |                    |                      |                   |                         | 2.11                                | 1.34                                 | South Central Western Complex | West River                       | Yes  | Escherichia coli; CAUSE UNKNOWN   |
| 170-SS-6391 2022-03-25                     | 3/25/2022, 9:23 AM  | 0                 | 0                  | 250                    | 124                | 0                     | 47                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6392 2022-03-25                     | 3/25/2022, 9:18 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |



| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date  | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause |
|--|---------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|-----------------------------------|
| 170-SS-6393 2022-03-25                     | 3/25/2022, 9:05 AM  | 0                 | 0                  | 274                    | 135                | 0                     | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6395 2022-03-25                     | 3/25/2022, 11:59 AM | 0                 | 0                  | 180                    | 91                 | 0                     | 53                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6418 2022-06-09                     | 6/9/2022, 7:55 AM   | 0                 | 0                  | 430                    | 214                | 0                     | 69                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6419 2022-03-25                     | 3/25/2022, 9:28 AM  | 0                 | 0                  | 230                    | 112                | 0                     | 46                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6423 2022-06-09                     | 6/9/2022, 7:11 AM   | 0                 | 0                  | 425                    | 225                | 0                     | 74                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6446 2022-06-09                     | 6/9/2022, 7:39 AM   | 0                 | 0                  | 540                    | 275                | 0                     | 72                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6449 2022-03-25                     | 3/25/2022, 9:12 AM  | 0                 | 0                  | 170                    | 84                 | 0                     | 45                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | Yes  | Escherichia coli                  |
| 170-SS-6449 2022-06-09                     | 6/9/2022, 9:32 AM   | 0                 | 0                  | 474                    | 236                | 0                     | 72                                   | 19900                       |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | Yes  | Escherichia coli                  |
| 170-SS-6451 2022-06-09                     | 6/9/2022, 8:17 AM   | 0                 | 0                  | 230                    | 115                | 0                     | 69                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6454 2022-03-25                     | 3/25/2022, 8:53 AM  | 0                 | 0                  | 360                    | 175                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6455 2022-03-25                     | 3/25/2022, 8:40 AM  | 0                 | 0                  | 570                    | 287                | 0                     | 46                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |
| 170-SS-6458 2022-06-09                     | 6/9/2022, 8:34 AM   | 0                 | 0                  | 513                    | 257                | 0                     | 70                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |                                   |
| 170-SS-6510 2022-05-19                     | 5/19/2022, 7:06 AM  | 0.2               | 0                  | 0.131                  | 100                | 0.1                   | 59                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                   |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date     | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Enterr<br>ococci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin          | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause                  |
|--|------------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|---------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|--|----------------------------------|--|--|
| 170-SS-<br>6511 2022-<br>03-24             | 3/24/2022,<br>7:38 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |
| 170-SS-<br>6514 2022-<br>05-19             | 5/19/2022,<br>8:56 AM  | 0                 | 0                  | 0.115                  | 100                | 0.1                   | 58                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Indian River                     | No   |  |
| 170-SS-<br>6515 2022-<br>05-19             | 5/19/2022,<br>9:54 AM  | 0                 | 0                  | 0.13                   | 100                | 0.2                   | 57                                   | 2420<br>0                   | 24200                                 |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Indian River                     | No   | E. Coli  |
| 170-SS-<br>6516 2022-<br>05-19             | 5/19/2022,<br>11:14 AM | 0                 | 0                  | 0.07                   | 0                  | 0.1                   | 57                                   | 857                         | 24200                                 |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Indian River                     | No   | E. Coli  |
| 170-SS-<br>6517 2022-<br>05-19             | 5/19/2022,<br>10:18 AM | 0                 | 0                  | 0.128                  | 100                | 0.1                   | 56                                   | 288                         | 24200                                 |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Indian River                     | No   | E. Coli  |
| 170-SS-<br>6518 2022-<br>05-19             | 5/19/2022,<br>9:19 AM  | 0.3               | 0                  | 0.066                  | 0                  | 0.2                   | 58                                   | 1550<br>0                   | 24200                                 |                                       |  |                    |                      |                   |                         | 16.8                                | 57                                   | South<br>Central<br>Western<br>Complex | Indian River                     | Yes  | ESCHERICHIA<br>COLI (E. COLI);<br>CAUSE<br>UNKNOWN |
| 170-SS-<br>6520 2022-<br>03-17             | 3/17/2022,<br>1:59 PM  | 1.4               | 0                  | 4.14                   | 300                | 0                     | 53                                   | 63                          | 3870                                  |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |
| 170-SS-<br>6530 2022-<br>03-24             | 3/24/2022,<br>8:33 AM  | 0                 | 0                  | 0.322                  | 200                | 0.2                   | 45                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Indian River                     | No   |  |
| 170-SS-<br>6535 2022-<br>03-17             | 3/17/2022,<br>12:24 PM | 2                 | 0                  | 4.78                   | 3700               | 0.3                   | 51                                   | 30                          | 5480                                  |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |
| 170-SS-<br>6536 2022-<br>03-17             | 3/17/2022,<br>12:12 PM | 0                 | 0                  | 0.138                  | 100                | 0.1                   | 50                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |
| 170-SS-<br>6537 2022-<br>03-17             | 3/17/2022,<br>11:44 AM | 0                 | 0                  | 0.303                  | 200                | 0                     | 53                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |
| 170-SS-<br>6550 2022-<br>03-17             | 3/17/2022,<br>1:08 PM  | 0.6               | 0                  | 2.8                    | 2000               | 0.2                   | 52                                   | 108                         | 6130                                  |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |
| 170-SS-<br>6551 2022-<br>03-17             | 3/17/2022,<br>2:07 PM  | 0.2               | 0                  | 1.32                   | 900                | 0.1                   | 53                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Western<br>Complex | Wepawaug<br>River                | No   |  |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date  | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause     |
|--|---------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|---------------------------------------|
| 170-SS-6552 2022-03-17                     | 3/17/2022, 2:16 PM  | 0.6               | 0                  | 2.61                   | 1900               | 0.1                   | 53                                   | 97                          | 5170                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-6590 2022-05-19                     | 5/19/2022, 8:06 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-6596 2022-05-19                     | 5/19/2022, 8:34 AM  | 0                 | 0                  | 0.057                  | 0                  | 0.3                   | 59                                   | 1720                        | 24200                                 |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Indian River                     | No   |                                       |
| 170-SS-6597 2022-03-24                     | 3/24/2022, 8:36 AM  | 0                 | 0                  | 0.171                  | 100                | 0                     | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Indian River                     | No   |                                       |
| 170-SS-7102 2022-05-19                     | 5/19/2022, 7:35 AM  | 0.3               | 0                  | 0.205                  | 100                | 0                     | 56                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-9304 2022-03-24                     | 3/24/2022, 9:27 AM  | 0                 | 0                  | 0.13                   | 100                | 0                     | 47                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-9305 2022-03-24                     | 3/24/2022, 9:53 AM  | 0.1               | 0                  | 0.271                  | 200                | 0                     | 46                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-9306 2022-03-24                     | 3/24/2022, 10:54 AM | 0                 | 0                  | 0.148                  | 100                | 0                     | 47                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-9309 2022-03-24                     | 3/24/2022, 10:17 AM | 0                 | 0                  | 0.393                  | 300                | 0                     | 45                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |                                       |
| 170-SS-9311 2022-03-24                     | 3/24/2022, 12:06 PM | 0                 | 0                  | 0.424                  | 300                | 0.1                   | 46                                   | 934                         | 3870                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | Yes  | Escherichia coli;<br>Escherichia coli |
| 170-SS-9312 2022-03-24                     | 3/24/2022, 11:24 AM | 0                 | 0                  | 0.191                  | 100                | 0.1                   | 47                                   | 216                         | 6130                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | Yes  | Escherichia coli;<br>Escherichia coli |
| 170-SS-9313 2022-03-24                     | 3/24/2022, 11:51 AM | 0                 | 0                  | 0.468                  | 300                | 0                     | 50                                   | 10                          | 1160                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | Yes  | Escherichia coli;<br>Escherichia coli |
| 170-SS-9321 2022-03-24                     | 3/24/2022, 12:21 PM | 0                 | 0                  | 0.6                    | 400                | 0.1                   | 46                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Indian River                     | No   |                                       |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date  | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause                                |
|--|---------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|--|
| 170-SS-9324 2022-03-24                     | 3/24/2022, 11:31 AM | 0                 | 0                  | 0.161                  | 100                | 0.4                   | 47                                   | 609                         | 13000                                 |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Indian River                     | No   |  |
| 170-SS-9328 2022-03-24                     | 3/24/2022, 10:13 AM | 0                 | 0                  | 0.102                  | 100                | 0.1                   | 46                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Indian River                     | No   |  |
| 170-SS-9383 2022-06-27                     | 6/27/2022, 1:35 PM  | 2                 | 0                  | 0.206                  | 100                | 0.9                   | 74                                   | 19900                       | 24200                                 |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9455 2022-03-24                     | 3/24/2022, 9:23 AM  | 0.1               | 0                  | 0.438                  | 300                | 0.1                   | 45                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Housatonic Main Stem          | Housatonic River                 | No   |  |
| 170-SS-9640 2022-03-24                     | 3/24/2022, 10:48 AM | 0                 | 0                  | 0.063                  | 0                  | 0.1                   | 47                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | Wepawaug River                   | No   |  |
| 170-SS-9664 2022-04-06                     | 4/6/2022, 10:01 AM  | 0                 | 0                  | 0.315                  | 200                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Hop Brook                        | No   |  |
| 170-SS-9665 2022-04-06                     | 4/6/2022, 9:39 AM   | 0                 | 0                  | 0.27                   | 200                | 0                     | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Hop Brook                        | No   |  |
| 170-SS-9666 2022-04-06                     | 4/6/2022, 2:21 PM   | 0                 | 0                  | 0.2805                 | 200                | 0                     | 49                                   | 52                          | 452                                   |                                      |  |                    |                      |                   |                         | 1.86                                | 1.18                                 | Naugatuck                     | Hop Brook                        | Yes  | Escherichia coli;<br>CAUSE UNKNOWN                               |
| 170-SS-9667 2022-04-06                     | 4/6/2022, 10:10 AM  | 0                 | 0                  | 0.306                  | 200                | 0                     | 47                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Hop Brook                        | No   |  |
| 170-SS-9672 2022-06-09                     | 6/9/2022, 8:31 AM   | 0                 | 0                  | 0.145                  | 100                | 0.2                   | 66                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Hop Brook                        | No   |  |
| 170-SS-9687 2022-03-24                     | 3/24/2022, 9:23 AM  | 0.5               | 0                  | 510                    | 240                | 0.25                  | 50                                   |                             |                                       | 1440                                 |  | 2                  | 0.078                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | Yes  | DISSOLVED OXYGEN,<br>NUTRIENTS<br>DISSOLVED OXYGEN,<br>NUTRIENTS |
| 170-SS-9688 2022-04-01                     | 4/1/2022, 12:56 PM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9689 2022-03-24                     | 3/24/2022, 9:19 AM  | 0                 | 0                  | 285                    | 133                | 0.25                  | 51                                   |                             |                                       | 548                                  |  | 2.02               | 0.014                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9690                                | 4/19/2022, 9:14 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9697 2022-03-24                     | 3/24/2022, 9:15 AM  | 0.5               | 0                  | 518                    | 252                | 0.25                  | 47                                   | 548                         |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Enterococci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause                       |
|--|--------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|----------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|---|
| 170-SS-9698 2022-03-24                     | 3/24/2022, 9:09 AM | 0.5               | 0                  | 504                    | 240                | 0.25                  | 45                                   | 4610                        |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9699 2022-03-24                     | 3/24/2022, 9:11 AM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9700 2022-03-24                     | 3/24/2022, 9:12 AM | 0                 | 0                  | 171                    | 82                 | 0.25                  | 45                                   | 313                         |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9701 2022-03-24                     | 3/24/2022, 9:14 AM | 0                 | 0                  | 305                    | 143                | 0.25                  | 45                                   | 3650                        |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9704 2022-03-24                     | 3/24/2022, 7:59 AM | 0.5               | 0                  | 273                    | 133                | 0.25                  | 44                                   | 657                         |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9705 2022-03-24                     | 3/24/2022, 7:57 AM | 0.5               | 0                  | 425                    | 192                | 0.25                  | 46                                   | 6870                        |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9708 2022-04-02                     | 4/2/2022, 8:57 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9713 2022-04-19                     | 4/19/2022, 9:01 AM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |   |
| 170-SS-9715 2022-04-01                     | 4/1/2022, 7:43 AM  | 0                 | 0                  | 212                    | 101                | 0.5                   | 56                                   |                             |                                       | 10500                            |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |   |
| 170-SS-9718 2022-04-01                     | 4/1/2022, 8:28 AM  | 0                 | 0                  | 368                    | 169                | 0.45                  | 53                                   | 63                          |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9720 2022-04-01                     | 4/1/2022, 8:21 AM  | 0                 | 0                  | 194.5                  | 87.6               | 0.3                   | 53                                   | 109                         |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9770 2022-04-01                     | 4/1/2022, 7:55 AM  | 0                 | 0                  | 599                    | 286                | 0.65                  | 53                                   | 1050                        |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |   |
| 170-SS-9771 2022-04-01                     | 4/1/2022, 7:50 AM  | 0                 | 0                  | 632                    | 301                | 0.6                   | 53                                   | 990                         |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Western Complex | West River                       | No   |   |
| 170-SS-9778 2022-03-24                     | 3/24/2022, 9:17 AM | 0                 | 0                  | 314                    | 145                | 0.5                   | 48                                   |                             |                                       | 1960                             |  | 1.13               | 0.032                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |   |
| 170-SS-9782 2022-04-01                     | 4/1/2022, 1:00 PM  | 0                 | 0                  | 389                    | 277                | 0.25                  | 56                                   |                             |                                       | 959                              |  | 1.48               | 0.088                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | Yes  | FECAL COLIFORM, NUTRIENTS, ENTEROCOCCUS FECAL COLIFORM, |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date  | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Enterococci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause  |
|--|---------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|----------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|--|
|  |                     |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      |                               |                                  |  | NUTRIENTS,<br>ENTEROCOCCUS   |
| 170-SS-9783 2022-03-24                     | 3/24/2022, 9:20 AM  | 0.5               | 0                  | 358                    | 170                | 0.25                  | 51                                   |                             |                                       | 2490                             |  | 1.31               | 0.036                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9784 2022-03-24                     | 3/24/2022, 9:22 AM  | 0                 | 0                  | 273                    | 126                | 0.5                   | 50                                   |                             |                                       | 2990                             |  | 1.5                | 0.072                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9785 2022-04-01                     | 4/1/2022, 12:57 PM  | 0.5               | 0                  | 568                    | 260                | 0.25                  | 56                                   |                             |                                       | 350                              |  | 1.58               | 0.068                |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | No   |  |
| 170-SS-9786 2022-04-01                     | 4/1/2022, 1:05 PM   |                   |                    |                        |                    |                       |                                      |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Shoreline       | South Central Shoreline          | Yes  | FECAL COLIFORM,<br>NUTRIENTS,<br>ENTEROCOCCUS<br>FECAL COLIFORM,<br>NUTRIENTS,<br>ENTEROCOCCUS |
| 170-SS-9829 2022-04-06                     | 4/6/2022, 1:56 PM   | 0                 | 0                  | 0.2795                 | 200                | 0                     | 57                                   | 223                         | 24200                                 |                                  |  |                    | 0.119                |                   |                         | 5.33                                | 94.3                                 | Naugatuck                     | Naugatuck River                  | Yes  | PHOSPHORUS,<br>TOTAL;<br>Escherichia coli;<br>CAUSE UNKNOWN                                    |
| 170-SS-9834 2022-04-06                     | 4/6/2022, 9:12 AM   | 0                 | 0                  | 0.142                  | 100                | 0.3                   | 48                                   | 52                          | 24200                                 |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9837 2022-04-19                     | 4/19/2022, 10:34 AM | 0                 | 0                  | 0.24                   | 200                | 0                     | 49                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9839 2022-04-19                     | 4/19/2022, 10:53 AM | 0                 | 0                  | 0.2                    | 100                | 0.1                   | 49                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9841 2022-04-06                     | 4/6/2022, 7:42 AM   | 0                 | 0                  | 0.138                  | 100                | 0.1                   | 53                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9842 2022-04-06                     | 4/6/2022, 7:56 AM   | 0                 | 0                  | 0.227                  | 200                | 0                     | 50                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9843 2022-04-06                     | 4/6/2022, 8:24 AM   | 0                 | 0                  | 0.155                  | 100                | 0                     | 49                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9844 2022-04-06                     | 4/6/2022, 8:34 AM   | 0                 | 0                  | 0.195                  | 100                | 0.1                   | 48                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-9846 2022-04-19                     | 4/19/2022, 11:18 AM | 0                 | 0                  | 0.36                   | 200                | 0                     | 50                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | Naugatuck                     | Fulling Mill Brook               | No   |  |
| 170-SS-10199 2022-04-06                    | 4/6/2022, 12:16 PM  | 0.25              | 0                  | 150                    | 70                 | 0                     | 51                                   |                             |                                       |                                  |  |                    |                      |                   |                         |                                     |                                      | South Central Eastern Complex | Branford River                   | No   |  |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date     | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Enterr<br>ococci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin          | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause |
|--|------------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|---------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|--|----------------------------------|--|-----------------------------------|
| 170-SS-10423<br>2022-03-25                 | 3/25/2022,<br>10:08 AM | 0                 | 0                  | 160                    | 80                 | 0.75                  | 46                                   | 345                         | 5790                                  |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10557<br>2022-03-25                 | 3/25/2022,<br>11:11 AM | 0.25              | 0                  | 370                    | 180                | 0                     | 48                                   |                             |                                       |                                       |  | 1.69               |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | Yes  | Nitrogen and<br>Phosphorus        |
| 170-SS-10557<br>2022-04-06                 | 4/6/2022,<br>10:50 AM  | 0                 | 0                  | 310                    | 150                | 0                     | 49                                   |                             |                                       |                                       |  | 1.69               | 0                    |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | Yes  | Nitrogen and<br>Phosphorus        |
| 170-SS-10561<br>2022-04-06                 | 4/6/2022,<br>11:07 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10564<br>2022-03-25                 | 3/25/2022,<br>12:16 PM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Eastern<br>Complex | Farm River                       | No   |                                   |
| 170-SS-10569<br>2022-04-06                 | 4/6/2022,<br>11:58 AM  | 0                 | 0                  | 370                    | 185                | 0                     | 50                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10571<br>2022-04-06                 | 4/6/2022,<br>12:03 PM  | 0                 | 0                  | 360                    | 176                | 0                     | 51                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10573<br>2022-04-06                 | 4/6/2022,<br>12:16 PM  | 0                 | 0                  | 344                    | 166                | 0                     | 53                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10574<br>2022-04-06                 | 4/6/2022,<br>1:31 PM   |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10577<br>2022-04-06                 | 4/6/2022,<br>11:38 AM  | 0                 | 0                  | 750                    | 371                | 0                     | 51                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10578<br>2022-03-25                 | 3/25/2022,<br>12:53 PM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10578<br>2022-04-06                 | 4/6/2022,<br>11:21 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-10579<br>2022-04-06                 | 4/6/2022,<br>11:50 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Eastern<br>Complex | Branford<br>River                | No   |                                   |
| 170-SS-10580<br>2022-04-06                 | 4/6/2022,<br>11:54 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Eastern<br>Complex | Branford<br>River                | No   |                                   |
| 170-SS-10584<br>2022-04-06                 | 4/6/2022,<br>12:46 PM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Eastern<br>Complex | Branford<br>River                | No   |                                   |
| 170-SS-10585<br>2022-03-25                 | 3/25/2022,<br>8:30 AM  | 0                 | 0                  | 780                    | 400                | 0                     | 47                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | South<br>Central                       | Branford<br>River                | No   |                                   |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date     | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin          | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause |
|--|------------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|--|----------------------------------|--|-----------------------------------|
|  |                        |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Eastern<br>Complex                     |                                  |  |                                   |
| 170-SS-<br>10594<br>2022-03-25             | 3/25/2022,<br>9:09 AM  | 0                 | 0                  | 570                    | 280                | 0.5                   | 48                                   | 121                         | 7270                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Shoreline          | South<br>Central<br>Shoreline    | No   |                                   |
| 170-SS-<br>10609<br>2022-04-06             | 4/6/2022,<br>10:32 AM  | 0                 | 0                  | 224                    | 112                | 0                     | 52                                   |                             |                                       |                                      |  |                    |                      |                   |                         | 8.37                                | 1.92                                 | South<br>Central<br>Eastern<br>Complex | Branford<br>River                | No   | CAUSE<br>UNKNOWN                  |
| 170-SS-<br>10614<br>2022-04-06             | 4/6/2022,<br>9:27 AM   | 0                 | 0                  | 294                    | 146                | 0                     | 52                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | South<br>Central<br>Eastern<br>Complex | Farm River                       | No   |                                   |
| 170-SS-<br>10620<br>2022-04-06             | 4/6/2022,<br>9:47 AM   | 0                 | 0                  | 385                    | 271                | 0                     | 51                                   |                             |                                       |                                      |  |                    |                      |                   |                         | 16.2                                | 17.6                                 | South<br>Central<br>Eastern<br>Complex | Farm River                       | No   | TURBIDITY                         |
| 170-SS-<br>10791<br>2022-01-04             | 1/4/2022,<br>9:22 AM   | 0.5               | 1                  | 127                    | 60                 | 0.25                  | 42                                   | 0                           | 0                                     |                                      |  |                    |                      |                   |                         |                                     |                                      | Quinnipiac                             | Muddy River                      | No   |                                   |
| 170-SS-<br>11523<br>2022-03-24             | 3/24/2022,<br>11:21 AM | 0                 | 0                  | 770                    | 360                | 0                     | 42                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Pequabuck<br>River               | No   |                                   |
| 170-SS-<br>11524<br>2022-05-04             | 5/4/2022,<br>9:04 AM   | 0                 | 0                  | 260                    | 130                | 0                     | 49                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Farmington<br>River              | No   |                                   |
| 170-SS-<br>11527<br>2022-03-24             | 3/24/2022,<br>8:27 AM  | 0                 | 0                  | 560                    | 280                | 0.5                   | 42                                   | 20                          | 14100                                 |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Farmington<br>River              | No   |                                   |
| 170-SS-<br>11528<br>2022-03-08             | 3/8/2022,<br>10:06 AM  | 0                 | 0                  | 810                    | 400                | 0.5                   | 42                                   | 408                         | 24200                                 |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Farmington<br>River              | No   |                                   |
| 170-SS-<br>11529<br>2022-04-01             | 4/1/2022,<br>7:20 AM   | 1                 | 0                  | 130                    | 60                 | 0.5                   | 50                                   | 10                          | 5480                                  |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Farmington<br>River              | No   |                                   |
| 170-SS-<br>11533<br>2022-06-09             | 6/9/2022,<br>8:16 AM   | 0                 | 0                  | 310                    | 150                | 0                     | 65                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Pequabuck<br>River               | No   |                                   |
| 170-SS-<br>11537<br>2022-06-09             | 6/9/2022,<br>8:24 AM   | 0                 | 0                  | 290                    | 150                | 0                     | 64                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Pequabuck<br>River               | No   |                                   |
| 170-SS-<br>11538<br>2022-04-01             | 4/1/2022,<br>8:26 AM   |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Roaring<br>Brook                 | No   |                                   |
| 170-SS-<br>11538<br>2022-05-04             | 5/4/2022,<br>12:31 PM  | 0                 | 0                  | 230                    | 120                | 0                     | 53                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Roaring<br>Brook                 | No   |                                   |
| 170-SS-<br>11544<br>2022-03-08             | 3/8/2022,<br>7:00 PM   |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                             | Roaring<br>Brook                 | Yes  | ESCHERICHIA<br>COLI (E. COLI)     |



| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date     | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Enterr<br>ococci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause |
|--|------------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|---------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|-----------------------------------|
| 170-SS-11544<br>2022-03-24                 | 3/24/2022,<br>9:54 AM  | 0                 | 0                  | 570                    | 280                | 0                     | 41                                   | 41                          | 13000                                 |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Roaring<br>Brook                 | Yes  | ESCHERICHIA<br>COLI (E. COLI)     |
| 170-SS-11545<br>2022-03-08                 | 3/8/2022,<br>11:00 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | Yes  | ESCHERICHIA<br>COLI (E. COLI)     |
| 170-SS-11545<br>2022-03-24                 | 3/24/2022,<br>9:20 AM  | 0                 | 0                  | 600                    | 290                | 7                     | 41                                   | 187                         | 12000                                 |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | Yes  | ESCHERICHIA<br>COLI (E. COLI)     |
| 170-SS-11605<br>2022-04-01                 | 4/1/2022,<br>8:52 AM   | 0                 | 0                  | 200                    | 90                 | 0                     | 49                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11612<br>2022-04-01                 | 4/1/2022,<br>9:29 AM   | 0                 | 0                  | 150                    | 80                 | 2                     | 49                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11613<br>2022-04-01                 | 4/1/2022,<br>9:45 AM   |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11613<br>2022-05-04                 | 5/4/2022,<br>12:15 PM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11613<br>2022-05-19                 | 5/19/2022,<br>10:10 AM | 0                 | 0                  | 220                    | 100                | 0                     | 58                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11614<br>2022-03-24                 | 3/24/2022,<br>10:43 AM | 0.25              | 0                  | 1000                   | 490                | 1                     | 44                                   | 262                         | 7270                                  |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11615<br>2022-05-19                 | 5/19/2022,<br>10:49 AM | 0                 | 0                  | 250                    | 130                | 0                     | 50                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11616<br>2022-03-24                 | 3/24/2022,<br>4:38 PM  | 0                 | 0                  | 1300                   | 700                | 0                     | 42                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Farmington<br>River              | No   |                                   |
| 170-SS-11617<br>2022-03-24                 | 3/24/2022,<br>3:40 PM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Park                          | Bass Brook                       | No   |                                   |
| 170-SS-11618<br>2022-05-04                 | 5/4/2022,<br>9:58 AM   | 0                 | 0                  | 720                    | 350                | 0                     | 52                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |                                   |
| 170-SS-11619<br>2022-05-04                 | 5/4/2022,<br>10:08 AM  | 0                 | 0                  | 1960                   | 950                | 0                     | 54                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |                                   |
| 170-SS-11620<br>2022-05-04                 | 5/4/2022,<br>10:37 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |                                   |
| 170-SS-11621<br>2022-05-04                 | 5/4/2022,<br>10:46 AM  | 0                 | 0                  | 630                    | 310                | 0                     | 49                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |                                   |
| 170-SS-11623<br>2022-05-04                 | 5/4/2022,<br>11:12 AM  | 0                 | 0                  | 1440                   | 700                | 0                     | 54                                   |                             |                                       |                                       |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |                                   |

| Screening/<br>Sampling<br>Inspection<br>ID | Inspection<br>Date     | Ammonia<br>(mg/l) | Chlorine<br>(mg/l) | Conductivity<br>(mg/l) | Salinity<br>(mg/l) | Surfactants<br>(mg/l) | Water<br>Temperature<br>(Fahrenheit) | E Coli<br>(cols/<br>100mls) | Total<br>Coliform<br>(col/10<br>0mls) | Entero<br>cocci<br>(cols/1<br>00mls) | Fecal<br>Coliform<br>(cols/100<br>mls) | Nitrogen<br>(mg/l) | Phosphorus<br>(mg/l) | Mercury<br>(mg/l) | Other<br>Lab<br>Results | Turbidity<br>In<br>Stream<br>(NTUs) | Turbidity<br>At<br>Outfall<br>(NTUs) | Regional<br>Drainage<br>Basin | Subregional<br>Drainage<br>Basin | Directly<br>Connected To<br>Stormwater<br>Impaired<br>Waterway | Stormwater<br>Impairment<br>Cause  |
|--|------------------------|-------------------|--------------------|------------------------|--------------------|-----------------------|--------------------------------------|-----------------------------|---------------------------------------|--------------------------------------|--|--------------------|----------------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|-------------------------------|----------------------------------|--|--|
| 170-SS-11628<br>2022-05-19                 | 5/19/2022,<br>12:42 PM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |  |
| 170-SS-11629<br>2022-05-19                 | 5/19/2022,<br>11:53 AM |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Park                          | Trout Brook                      | No   |  |
| 170-SS-11635<br>2022-03-08                 | 3/8/2022,<br>8:15 AM   | 0                 | 0                  | 380                    | 170                | 0                     | 42                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | No   |  |
| 170-SS-11637<br>2022-06-09                 | 6/9/2022,<br>10:09 AM  |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | No   |  |
| 170-SS-11638<br>2022-03-08                 | 3/8/2022,<br>9:00 AM   | 0                 | 0                  | 350                    | 200                | 0                     | 43                                   | 441                         | 6130                                  |                                      |  |                    | 0                    |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | Yes  | Escherichia coli,<br>Cause Unknown,<br>Phosphorus<br>Total Escherichia<br>coli, Cause<br>Unknown,<br>Phosphorus<br>Total |
| 170-SS-11643<br>2022-06-09                 | 6/9/2022,<br>8:48 AM   | 0                 | 0                  | 320                    | 160                | 0                     | 64                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | No   |  |
| 170-SS-11644<br>2022-06-09                 | 6/9/2022,<br>9:06 AM   | 0                 | 0                  | 150                    | 70                 | 0                     | 64                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | No   |  |
| 170-SS-11645<br>2022-06-09                 | 6/9/2022,<br>9:27 AM   | 0                 | 0                  | 210                    | 100                | 0                     | 65                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | No   |  |
| 170-SS-11646<br>2022-06-09                 | 6/9/2022,<br>9:55 AM   |                   |                    |                        |                    |                       |                                      |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Farmington                    | Pequabuck<br>River               | No   |  |
| 170-SS-11649<br>2022-05-19                 | 5/19/2022,<br>12:12 PM | 0                 | 0                  | 470                    | 230                | 0                     | 57                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      | Park                          | Bass Brook                       | No   |  |
| 170-SS-12505<br>2022-03-02                 | 3/1/2022,<br>7:00 PM   | 0.42              |                    |                        |                    |                       |                                      | 124                         |                                       |                                      |  | 2.34               | 0.157                |                   |                         |                                     | 54.4                                 | Connecticut<br>Main Stem      | Connecticut<br>River             | No   |  |
| 170-SS-12986<br>2022-03-24                 | 3/24/2022,<br>7:46 AM  | 0                 | 0                  | 0.154                  | 100                | 0.1                   | 48                                   |                             |                                       |                                      |  |                    |                      |                   |                         |                                     |                                      |                               |                                  | No   |  |

## **PART III**

### **Additional IDDE Program Data**

#### **Catchments Requiring Field Investigation Due to Screening & Sampling Activities (Section 3.3)**

| Screening Sampling ID | Inspection Date      | Town          | Ammonia (mg/l) | Chlorine (mg/l) | Conductivity (mg/l) | Salinity (mg/l) | Surfactants (mg/l) | Water Temp (F) | E Coli (cols/100mls) | Enterrococci (cols/100mls) | Nitrogen (mg/l) | Phosphorus (mg/l) | Turbidity in Stream (NTUs) | Turbidity at Outfall (NTUs) | Olfactory Evidence of Illicit Discharge | Visual Evidence of Illicit Discharge |
|-----------------------|----------------------|---------------|----------------|-----------------|---------------------|-----------------|--------------------|----------------|----------------------|----------------------------|-----------------|-------------------|----------------------------|-----------------------------|---|--------------------------------------|
| 170-SS-52             | 9/9/2019, 11:42 AM   | Monroe        | 1              |                 | 15.55               | 7.7             | 1.5                | 69             | 20                   |                            |                 |                   |                            |                             | Yes                                     | No                                   |
| 170-SS-81             | 9/9/2019, 2:14 PM    | Monroe        | 0.5            |                 | 387                 | 175             | 0.25               | 51             | 620                  |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-82             | 9/9/2019, 2:14 PM    | Monroe        | 0.5            |                 | 408                 | 203             | 0.5                | 51             | 627                  |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-151            | 6/11/2020, 3:44 PM   | Shelton       | 1.8            |                 | 0.45                | 200             | 1                  | 71             | 1,130                |                            |                 |                   |                            |                             | Yes                                     | No                                   |
| 170-SS-1261           | 5/15/2020, 10:41 AM  | Norwich       |                | 0.5             | 116                 | 53.3            | 0.3                | 59             |                      | 933                        |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-1398           | 4/15/2021, 2:13 PM   | Ledyard       | 0.6            |                 | 0.37                | 200             | 0.4                | 51             |                      | 213                        | 5.1             | 0.32              |                            |                             | No                                      | No                                   |
| 170-SS-1399           | 4/15/2021, 1:21 PM   | Ledyard       | 0.6            | 0.2             | 0.55                | 400             | 0.7                | 52             |                      | 3,450                      | 6.23            | 0.16              |                            |                             | No                                      | No                                   |
| 170-SS-1404           | 4/15/2021, 2:35 PM   | Ledyard       | 0.6            | 0.2             | 0.4                 | 300             | 0.3                | 51             |                      | 4,880                      | 3.36            | 0.2               |                            |                             | No                                      | No                                   |
| 170-SS-1413           | 5/5/2021, 12:53 PM   | Ledyard       | 0.8            |                 | 0.11                | 100             | 0.4                | 58             | 7,270                |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-1613           | 10/25/2019, 11:01 AM | Derby         | 0.5            |                 | 63.1                | 30              | 0.75               | 48             |                      | 4,610                      |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-1631           | 4/3/2020, 12:00 AM   | Newington     | 0.5            |                 | 200                 | 80              | 0.25               | 46             | 624                  |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-2014           | 4/30/2020, 12:00 AM  | Groton        | 1              |                 | 42.8                | 19.9            | 0.5                | 46             |                      | 860                        |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-2125           | 6/14/2021, 12:59 PM  | Beacon Falls  | 0.5            |                 | 528                 | 251             | 1                  | 65             | 15,500               |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-2566           | 5/19/2022, 12:00 AM  | Meriden       |                |                 | 366                 | 182             |                    | 62             |                      |                            |                 |                   | 4                          | 12                          | No                                      | No                                   |
| 170-SS-2826           | 4/15/2021, 12:06 PM  | West Hartford | 0.5            |                 | 1,000.00            | 500             | 2                  | 55             | 15,500               |                            |                 |                   |                            |                             | Yes                                     | No                                   |
| 170-SS-2857           | 4/15/2021, 1:14 PM   | West Hartford | 1              |                 | 1,100.00            | 500             | 0.5                | 50             | 4,350                |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-2864           | 4/15/2021, 12:45 PM  | West Hartford | 0.5            |                 | 220                 | 100             | 0.75               | 55             | 24,200               |                            |                 |                   |                            |                             | No                                      | No                                   |
| 170-SS-3004           | 3/24/2022, 12:00 AM  | Meriden       |                |                 | 500                 | 252             |                    | 44             | 279                  |                            |                 |                   | 7.29                       | 107                         | No                                      | Yes                                  |
| 170-SS-3006           | 3/24/2022, 12:00 AM  | Meriden       |                |                 | 720                 | 357             | 0.25               | 47             | 135                  |                            |                 |                   | 8.12                       | 15.4                        | No                                      | No                                   |

|             |                        |              |     |     |      |     |      |    |        |       |      |      |      |    |     |    |
|-------------|------------------------|--------------|-----|-----|------|-----|------|----|--------|-------|------|------|------|----|-----|----|
| 170-SS-5283 | 6/22/2021,<br>4:37 PM  | Wethersfield | 0.8 |     | 0.05 |     | 0.4  | 67 | 4,110  |       |      |      |      |    | No  | No |
| 170-SS-5324 | 4/8/2021,<br>9:50 AM   | East Lyme    | 0.5 | 0.5 | 258  | 125 | 0.25 | 54 |        |       |      |      |      |    | Yes | No |
| 170-SS-5341 | 4/6/2021,<br>10:28 AM  | East Lyme    | 0.5 |     | 310  | 137 | 0.25 | 53 | 1,220  |       |      |      |      |    | No  | No |
| 170-SS-6518 | 5/19/2022,<br>9:43 AM  | Orange       | 0.3 |     | 0.07 |     | 0.2  | 58 | 15,500 |       |      |      | 16.8 | 57 | No  | No |
| 170-SS-9383 | 6/27/2022,<br>1:40 PM  | Milford      | 2   |     | 0.21 | 100 | 0.9  | 74 | 19,900 |       |      |      |      |    | No  | No |
| 170-SS-9687 | 3/24/2022,<br>12:00 AM | West Haven   | 0.5 |     | 510  | 240 | 0.25 | 50 |        | 1,440 | 2    | 0.08 |      |    | No  | No |
| 170-SS-9697 | 3/24/2022,<br>12:00 AM | West Haven   | 0.5 |     | 518  | 252 | 0.25 | 47 | 548    |       |      |      |      |    | No  | No |
| 170-SS-9698 | 3/24/2022,<br>12:00 AM | West Haven   | 0.5 |     | 504  | 240 | 0.25 | 45 | 4,610  |       |      |      |      |    | No  | No |
| 170-SS-9704 | 3/24/2022,<br>12:00 AM | West Haven   | 0.5 |     | 273  | 133 | 0.25 | 44 | 657    |       |      |      |      |    | No  | No |
| 170-SS-9705 | 3/24/2022,<br>12:00 AM | West Haven   | 0.5 |     | 425  | 192 | 0.25 | 46 | 6,870  |       |      |      |      |    | No  | No |
| 170-SS-9783 | 8/9/2021,<br>1:08 PM   | West Haven   | 0.5 |     | 358  | 170 | 0.25 | 51 |        | 2,490 | 1.31 | 0.04 |      |    | No  | No |