2022 Annual Report – MS4 General Permit

Town and Borough of Stonington

Stonington, Connecticut

April 1, 2023

Prepared by:

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Introduction

The following Annual Stormwater Report summarizes achievements made during 2022 by the Town & Borough of Stonington in implementing the goals and recommendations identified in the 2017 Stormwater Management Plan (SWMP). The SWMP was prepared to address the requirements of the CTDEEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4). Copies of the SWMP and the Annual Report can be viewed electronically on the Town of Stonington or Borough of Stonington website, or in person at either Town Hall location.

For more detailed stormwater information, please view the SWMP at the following location: https://www.stonington-ct.gov/engineering/pages/npdes-phase-2-ms4-stormwater-permitting

Contacts provided below:

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Permit Number GSM 000056 (TOS) & 000113 (BOS)

January 1, 2022 – December 31, 2022

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This report documents Town of Stonington & Borough of Stonington's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2022 to December 31, 2022.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-1 Implement public education and outreach	• Maintained the Town and Borough's Stormwater webpage • Town posted a link for residents to purchase rain barrels that they could pick up in town June 29th (Attachment 1) • The Highway Department continued the catch basin marking program and marked 15 catch basins • The Flood and Erosion Control Board is a new citizen board that was established in November of 2022 to replace the Stormwater Task Force.	NA			• Update and maintain Town and Borough websites to include educational materials identified in Table 3 of the SWMP and/or available on the CLEAR and CT NEMO MS4 Guide website, CUSH website, or listed in the Connecticut Nonpoint Source Management Program Plan. • Distribute educational materials.	Engineering Dept.	

1-2 Address education/ outreach for pollutants of concern	• Town distributed articles in "Stonington Events" magazine regarding yard and pet waste, composting, and stormwater pollution and awareness. One of the articles publicized the LID project at the 4th District Voting Hall to install rain gardens and a tidal valve. (Attachment 2)	NA			Select educational materials appropriate for impaired waters and stormwater pollutants of concern (see Tables 2 and 3 of SMP).	Engineering Dept.	

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

- The Town intends to continue distributing seasonally appropriate stormwater-focused articles and information in "Stonington Events" magazine, which tis mailed quarterly to all Town residents.
- The Town will continue to participate in the Eastern Connecticut Stormwater Collaborative meetings and events, to the extent that those occur in 2023.
- The Town and Borough, in past years, attended quarterly Eastern CT Conservation District meetings. However, as of 2022, these meetings are no longer open to municipal participation. The Town intends to continue to pursue similar discussions with the Southeastern Connecticut Council of Governments (SCCOG).

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

2.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Location Posted**	**Additional details**
2-1 Final Stormwater Management Plan publicly available	Completed	The Stormwater Management Plan is maintained on the Town Engineering webpage and the Borough Stormwater Management webpage.	Maintain current notices and copy of latest SMP on Borough and Town websites	Engineering & Borough Warden	Ongoing Completed March 2017	Town of Stonington: https://www.stonington-ct.gov/engineering-floodplain-management/pages/phase-2-stormwater-permitting Borough of Stonington: http://www.Borough.stonington.ct.us/stormwater-management/	
2-2 Comply with public notice requirements for Annual Reports (annually by 2/15)	Completed	Applicable public notice is maintained on the Town Engineering webpage and the Borough Stormwater Management webpage.	Maintain current notices and copy of latest Annual Report on Borough and Town websites	Engineering & Borough Warden	April 2021		
2-3 Establish Stormwater Task Force (SWTF)	Completed	Completed the reformation of the Stormwater Task Force (SWTF) in 2018.	Create SWTF to assist in implementation of MS4 permit requirements	Town Engineer & Borough Warden	Summer 2018	The Storm Water Taskforce (SWTF) has been replaced by the Flood and Erosion Control Board, a new citizen board established in November of 2022. Board duties include coordinating with Town engineering, planning, and zoning departments on stormwater management issues.	

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

- The Town will continue to participate in the Eastern Connecticut Stormwater Collaborative meetings and events, to the extent that those occur in 2023.
- The Town intends to improve regional collaboration between local towns regarding Stormwater Management by pursuing discussions with the Southeastern Connecticut Council of Governments (SCCOG).
- Work with the Flood and Erosion Control Board to improve public engagement and awareness of stormwater quality issues.

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

3.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department/ Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
3-1 Develop written IDDE program (Due 7/1/19)	Completed	The Town previously completed a joint written IDDE program for the Town and Borough.	Develop joint written plan of IDDE program for the Town and the Borough	Engineering & Borough Warden	Completed December, 2018	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	Completed	The Town/Borough previously contracted with Fuss & O'Neill to identify and map the priority areas in the Town and Borough to identify all MS4 stormwater outfalls in the priority areas. The Town/Borough also contracted with Fuss and O'Neill to complete an analysis of directly connected impervious area (DCIA) for each CT DEEP Local Basin within the Town and Borough. The Town's outfall mapping was included with the 2020 Annual Report.	Updating GIS storm system mapping & Develop a list (database or spreadsheet) of Stormwater outfalls in priority areas including catchment delineations.	Engineering & Planning	Completed December, 2019	Priority areas were identified to the CT DEEP Local Basin level and were based on urbanized area, catchment areas with DCIA greater than 11%, and catchment areas of outfalls that directly discharge to impaired waters. In 2022, the Town continued to meet with CTDOT staff to update stormwater mapping and collaborate on DCIA reduction. The Town and Borough are committed to continually improving MS4 related mapping.
3-3 Implement citizen reporting program (Ongoing)	Completed	The stormwater hotline is still available on the Engineering website for citizens to report concerns regarding stormwater.	Continue to support a citizen reporting 'hotline' and advertise it on the Town and Borough websites	Engineering	Ongoing, completed June 2017	
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	Completed	The Town reviewed and updated the IDDE ordinance in 2018 to ensure compliance with the permit. The IDDE Ordinance is posted on the Town website.	Review existing ordinance and revise accordingly.	Engineering	Completed June 2018	

3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	Completed	In 2018 the Town/Borough contracted with Fuss & O'Neill to develop a digital data collection system for tracking and recording data related to dry weather outfall inspections and sampling and wet weather sampling of outfalls that discharge to impaired waters. Dry weather outfall inspections and sampling and wet weather sampling of impaired waters began in 2019.	Develop IDDE tracking recordkeeping system	Engineering & Borough Warden	Completed January 2019	
3-6 Address IDDE in areas with pollutants of concern	Ongoing	The Town/Borough hired a consulting firm to conduct dry weather outfall inspections and sampling and wet weather sampling of outfalls that discharge to impaired waters in the late winter of 2019.	Conduct dry weather outfall inspection on all outfalls within the priority area and sample as required by the permit. Conduct wet weather outfall sampling on all outfalls that directly discharge to impaired waters. Address identified illicit discharges following the procedures in the written IDDE plan.	Sanitation, Engineering	2023 (anticipated)	Initial outfall inspections were started in 2019 and are currently underway with expected completion in 2023. Dry weather inspections are complete at >95% of outfalls. Dry-weather sampling was conducted at 32 outfalls in 2022. See note in 3.2. Impaired outfalls sampling continued at 6 outfalls in 2022 and has been conducted at >50% of outfalls. (Attachment 3)
3-7 Assess and prepare a priority ranking of catchments	Completed	The Town/Borough contracted with Fuss & O'Neill to complete catchment ranking and prioritization of outfalls in 2018.	Classify each catchment within priority areas into an excluded, problem, high priority, or low priority catchment. Rank catchments within each category (except excluded catchments) based on screening factors found on page 6 & 7 in Appendix B of the Permit	Engineering	Completed December 2018	Catchment rankings are based on the CT DEEP Local Basins
3-8 Consolidate IDDE tracking spreadsheets	Completed	Compile all the IDDE tracking requirements into one spreadsheet	Create a consolidated spreadsheet	Engineering	Completed July 2018	Reason for addition: Make it easier to track all IDDE activities

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

- Maintain master list of any potential Illicit Discharges; monitor, evaluate, and address accordingly.
- Complete dry-weather inspection of outfalls. Approximately 20 outfalls require follow-up visits. These outfalls have been visited twice, with flow observed but not sampled during one visit, and no flow observed during a follow-up sampling visit. A third visit is planned for 2023 to attempt to obtain a sample of the intermittent flow.
- Complete wet-weather sampling of outfalls discharging directly to impaired waters.
- Conduct annual sampling of 6 "Worst" impaired waters outfalls. Update list, as necessary. (Sampling conducted Jan 3, 2023)
- Continue partnership with CTDOT towards completion of interconnection mapping

3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of reporting period using the following table. Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

Location (Lat long/ street crossing /address and receiving water)	**Date and duration of occurrence**	**Discharge to MS4 or surface water**	**Estimated volume discharged**	**Known or suspected cause / Responsible party**	**Corrective measures planned and completed** (include dates)	**Sampling data** (if applicable)
4 Roosevelt, Rte. 1 Noble Smokehouse	10/11/2022	Discharge into storm grate behind restaurant to the east	5 gal	Restaurant employee	10/12/2022 - 2:00 PM - Meet onsite with WPCA (Dan Smith) & Ledge Light (Charlene X), viewed catch basin grates, Phone discussion with Josh Feldman (owner), admitted to employee erroneously pouring oil in storm drain. Action: Immediate cessation of illicit discharge, have oil\grease bins emptied and purchase additional containers as needed in interim. Dan smith (WPCA) to send email to Mr. Feldman with recap of all items discussed and WPCA directives.	NA
See Attachment 4 for IDDE Resident Tracking Sheet. No SSOs occurred during 2022. The current SSO inventory, including SSOs identified since 2014, is included as Attachment 5.						

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

Method used to track illicit discharge reports	**Location and nature of structure with failing septic systems**	**Actions taken to respond to and address the failures**	**Impacted waterbody or watershed, if known**	**Dept. / Person responsible**
Please see Attachment 6 for list of septic system failures and repairs in 2022.				

3.5 Briefly describe the method and effectiveness of said method used to track illicit discharge reports.

The Town of Stonington Engineering Department is the lead party responsible for tracking and responding to any known or reported Illicit Discharges. Currently, the Town maintains an Excel spreadsheet with potential Illicit Discharges that require dry weather sampling or other further investigation. In addition to the Engineering Department, the Stonington Water Pollution Control Authority (WPCA) and local health district, Ledge Light Health District, typically field calls related to sewer overflows or sanitation issues and concerns. The Engineering Department has advised these Town departments of their responsibility to record any such SSO and/or Illicit Discharge related information on provided standardized forms and report to the Engineering Department on a yearly basis.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	Town 340 total (206 in urbanized area) Borough 17
Estimated or actual number of interconnections	19 (estimated)
Outfall mapping complete	100%
Interconnection mapping complete	50% (estimated)
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	98%
Catchment investigations complete	0
Estimated percentage of MS4 catchment area investigated	0%

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

No IDDE trainings were conducted in 2022. An illicit discharge training is scheduled for staff in Q1 2023.

On February 8, 2019, the Town of Stonington and the Town's sampling consultant received training regarding use of a digital data collection system for dry weather outfall screening and sampling and wet weather sampling of outfalls that discharge to impaired waters. The training included information on how to conduct outfall screening and sampling to meet permit requirements, how to detect an illicit discharge and how to document and record information gathered during screening and sampling.

The Town and Borough have contracted with their consultant to conduct annual MS4 training for Town and Borough employees involved in the MS4 program, especially those with specific roles in the Town and Borough's IDDE program. The Town's Engineering Intern received IDDE training in August 2021.

On December 21, 2017, the Town of Stonington Engineering Department coordinated 2 specific training sessions on the following topics:

- Spill Prevention and Response
- Town wide Stormwater Management Training - MS4

Training was provided for the following facility employees:

- Public Works
- Police Department – Maintenance
- School Facilities – Maintenance
- Water Pollution Control Authority
- Solid Waste/Transfer Station
- Town Dock

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

4.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20)	In Progress	The Town/Borough contracted with Fuss & O'Neill in 2019 to complete a review of the Town and Borough's land use regulations and implementation policies for compliance with the MS4 permit.	Review and update, as necessary, existing land use regulations and implementation policies for compliance with the MS4 General Permit construction site stormwater runoff control requirements.	Town & Borough Land Use Agencies	Jul 1, 2023	The Town/Borough's consultant completed a review of legal authority and land use regulations in 2019. The Town plans to do a broader regulatory update through their Planning department so the process of amending regulations is ongoing.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	Ongoing	Site plan review & approval processes are followed for all applicable land use applications	Continue to implement interdepartmental coordination procedures as described in Section 5.2 of the Town SWMP	Town & Borough Land Use Agencies	Ongoing throughout entire permit	
4-3 Review site plans for stormwater quality concerns (Ongoing)	Ongoing	Reviewed 379 land development applications in total, including any sort of land use application, with any sort of site plan component, from a shopping center to a residential deck. This number includes sites both greater than and less than 1 acre. Applications were reviewed for compliance with existing stormwater quality regulations in the Town of Stonington. The Borough reviewed 4 site plans for land development in 2022.	Continue to complete site plan reviews for all projects subject to the land use regulations listed in BMP 4-1.	Engineering & Town, Borough Land Use Agencies	Ongoing throughout entire permit	The Town conducted 23 site plan reviews in 2021. No projects requiring review were received by the Borough in 2021.

4-4 Conduct site inspections (Ongoing)	Ongoing	The Stonington Zoning Enforcement Officer is tasked with ensuring all erosion and sediment control measures are adequately installed prior to the start of construction.	Continue to conduct inspections and enforcement to assess and ensure the adequacy of the installation, maintenance, operation, and repair of construction and postconstruction control measures.	Town & Borough Land Use Agencies and/or Town staff (Stonington ZEO)	Ongoing throughout entire permit	The Town conducted 52 site inspections in 2022. The Borough conducted 1 site inspection in 2022.
4-5 Implement procedure to allow public comment on site development (Ongoing)	Ongoing	Both the Town of Stonington & Borough have a hotline which remains active and up to date.	Continue to post notices of Stonington's "hotline" for stormwater related comments on the municipal stormwater websites	Town & Borough Land Use Agencies	March 31, 2017	No complaints were Received by either the Town of the Borough in 2022.
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	Ongoing	Require qualifying land development projects to register with the CTDEEP and show proof of registration prior to construction	Continue to inform developers/contractors of their obligation to register under the DEEP construction general permit and to provide a copy of the Storm Water Pollution Control Plan to Stonington upon Request, as necessary.	Town & Borough Land Use Agencies / Engineering Department	Ongoing throughout entire permit	

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

- Work with consultant to update and amend, as required, current Town and Borough construction site regulations.
- Continue to monitor construction sites to the best of staff ability.
- Ensure the CTDEEP Construction General Permit is applied for and on file with the Town for applicable projects prior to the start of construction.

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

5.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22)	Ongoing	The Town/Borough contracted with Fuss & O'Neill in 2019 to complete a review of the Town and Borough's land use regulations, including the Town's Technical Standards. This includes review of the Town's Post-construction regulatory mechanisms and legal authority, as well as identification of regulatory barriers to implementing LID and runoff reduction practices and suggestions for reducing or eliminating those barriers. The Town is currently contracted with Fuss & O'Neill to update construction site legal authority and develop legal authority for stormwater retention standards. The Town is currently in Phase 1 of the zoning regulation rewrite and is currently reorganizing the regulations and making them more user-friendly. The Town anticipates starting Phase 2 (addressing significant regulation changes/changes to stormwater management) in Q2.	Review and update, as necessary, existing land use regulations and implementation policies (including Technical Standards) for compliance with the General Permit postconstruction stormwater management requirements	Town Planning Zoning Commission, Borough Planning Zoning Commission, Engineering	Jul 1, 2023	The Town/Borough's consultant completed a review of legal authority and land use regulations in 2019. The planning department received funding to begin evaluating regulations and zoning modifications. The Town plans to do a broader regulatory update through their Planning department so the process of amending regulations is ongoing. Stonington participated with other towns in the 2022 Southeastern Connecticut Council of Governments (SCCOG) circuit grant for a stormwater utility feasibility study in four towns. When regulatory changes arise from that initiative, it would be a good time to introduce additional regulatory changes related to stormwater.

5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Ongoing	The Town/Borough contracted with Fuss & O'Neill in 2019 to complete a review of the Town and Borough's land use regulations, including the Town's Technical Standards. This includes review of the Town's Post-construction regulatory mechanisms and legal authority, as well as identification of regulatory barriers to implementing LID and runoff reduction practices and suggestions for reducing or eliminating those barriers.	Review and update, as necessary, current regulations to identify, reduce, or eliminate existing regulatory barriers to implementation of LID and runoff reduction practices.	Town Planning Zoning Commission, Borough Planning Zoning Commission, Engineering	Ongoing beginning Jul 1, 2019	See Additional Details 5-1.
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	Ongoing	The Town and Borough have in past years contracted with Fuss & O'Neill to identify additional existing stormwater BMPs throughout the Town and Borough and update this list annually. This survey included identification of ownership and maintenance responsibility. This year the Town stormwater intern identified 15 WQS (water quality systems) including detention/retention ponds, rain gardens, infiltration basins, etc. and 11 WQUs (water quality units) including hydrodynamic separators, infiltration galleys, tidal gates, etc. that require additional maintenance as they are identified and cataloged.	Review past permits and known stormwater facilities to create a comprehensive list of stormwater systems within priority areas.	Planning Department, Engineering Department, Public Works, Borough Warden	Ongoing throughout permit term	The Town continued in 2022 to review site plans of private developments to identify private BMPs. To increase capacity, the Town hired a stormwater intern in 2021 who continues to help review site plans and update mapping. The Town intends to update their mapping with these newly identified structures in 2023.
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	Ongoing	The Engineering Department and Planning Department continue to require maintenance plans for all stormwater infrastructure proposed as part of land-use applications. Follow-up of implementation strategies and measures can be improved upon. The Town conducted 15 maintenance inspections of BMPs in 2022. The Borough did not conduct any maintenance inspections of BMPs in 2022. Grates and gutters were cleaned, vegetation removed, and sediment	Develop a long-term maintenance plan for retention/ detention basins and stormwater treatment structures. Implement maintenance plan including annual inspection of retention/ detention basins and stormwater treatment structures and removal of accumulated sediment and pollutants.	Planning: Town Planning Department, Borough Planning & Zoning Commission, Engineering Implementation: Engineering, Public Works, Planning Department	Ongoing throughout permit term	The Town/Borough have also contracted with Fuss & O'Neill to develop operation and maintenance procedures for Town owned or operated stormwater BMPs. The Town asks BMP owners to keep maintenance logs and update them annually. The Town is really looking to make this process a

		removed. One detention pond was cleaned out. The Town is starting a program to clean out BMPs and reestablish as-built elevations, and is working on a plan to implement in 2023, as budget allows.				part of the regulations to ensure compliance.
5-5 DCIA mapping (Due 7/1/20)	Initial mapping is completed, revisions are ongoing as DCIA is added or removed.	The Town/Borough contracted with Fuss & O'Neill to complete an initial analysis of directly connected impervious area (DCIA) in the Town and Borough's Priority Area for each CT DEEP Local Basin. The Town/Borough have previously contracted with Fuss & O'Neill to complete revisions to DCIA estimates based on development projects completed within 5 years prior to the permit effective date.	Calculate the Directly Connected Impervious Area (DCIA) of outfall catchment areas using guidance provided by DEEP and UConn CLEAR. Revise DCIA estimate as development, redevelopment, or retrofit projects effectively add or remove DCIA.	Engineering & Planning	Completed December, 2018; updates ongoing throughout permit term.	DCIA was calculated using estimates of total impervious area provided by the UConn NEMO program and literature-based equations relating to total and connected impervious area for various land uses. Records of DCIA-related projects townwide are being updated. (Attachment 7)
5-6 Address post-construction issues in areas with pollutants of concern	Not Started	Not Started	Address erosion and sediment problems noted during inspections conducted under BMP 5-3 through the retrofit program developed under BMP 6-7.	Engineering, Planning, Public Works	On or before Jul 1, 2022	

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

- Continue to update stormwater BMP inventory
- Map updates: mapping WQS (water quality systems) including detention/retention ponds, rain gardens, infiltration basins, etc. and WQUs (water quality units) including hydrodynamic separators, infiltration galleys, tidal gates, etc. that require additional maintenance as they are identified and cataloged
- Work with the Zoning (and with the newly created Flood and Erosion Control Board) to determine best means and methods for requiring post-construction stormwater management maintenance and ensuring/tracking/monitoring ongoing maintenance.
- Update DCIA disconnection based on site plans from 5 years before the effective permit date through current year, based on updated BMP inventory
- Continue to coordinate with CTDOT staff on DCIA disconnection opportunities

5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/post-construction.htm. Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	870.60 acres
DCIA disconnected (redevelopment plus retrofits)	0.55 acres this year / 0.55 total
Retrofit projects completed	1 - Allen Street
DCIA disconnected	0.063 % this year / 0.063 % total since 2012*
Estimated cost of retrofits	TBD
Detention or retention ponds identified	15 this year /21 total
*The Town will confirm for next year in the annual report that retrofits completed since 2012 have been appropriately applied (Attachment 7).	

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

DCIA was estimated for each CTDEEP local basin. All local basins were clipped to the geographic extent of the Town and therefore only include areas of the basins within this extent. The 30-meter resolution 2011 National Land Cover Database (NLCD) was used along with the 1-foot resolution 2012 Connecticut Statewide Impervious Surface dataset provided by CTECO to estimate DCIA. Land cover in the basin was separated into four categories that represent varying degrees of development density (Developed, High Intensity; Developed, Medium Intensity; Developed, Low Intensity; and all other classes). Each of these four categories was related to the four levels of basin connectivity as described on the UConn NEMO website ("Wicked Connected," "Moderately Connected," "Sorta Connected," and "Slightly Connected"). The Sutherland equations provided by UConn NEMO that are associated with each of the four connectivity levels were used to convert percent impervious area to percent DCIA. DCIA was estimated for each basin using the following steps:

1. The percent impervious cover was calculated for each 30x30 meter land cover raster cell and the total percentage was summed across all raster cells in the local basin, resulting in a percent impervious cover value for each land cover category.
2. The Sutherland equations were used to convert percent IC across the local basin to percent DCIA for each of the four areas of land cover.
3. The percent DCIA for each land cover category was multiplied by the total area of that category. The four resulting values were added together to find the total local basin DCIA.
4. The total local basin DCIA was divided by the local basin area (within the town boundary) to determine percent DCIA for the local basin.

Step 1 above was performed on a loop for each local basin using GIS and Python, while the remaining steps were performed as spreadsheet calculations. The 1-foot resolution IC raster was resampled to 5-foot resolution to reduce computational time. This changed the raster from 18 binary (1 for impervious, 0 for pervious) to non-binary, where the value of each 5x5 foot raster cell is the total square footage of IC within the cell (between 0 and 25 square feet). The DCIA analysis was conducted prior to the decision by CT DEEP that state roads should not be included in DCIA calculations. As such, the Town's calculations represent an overestimate of DCIA. The overestimation will be corrected later as DCIA is tracked in subsequent years.

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

6.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-1 Develop/ implement formal employee training program (Ongoing)	Ongoing	19 Town employees attended a HAZWOPER First Responder Awareness Level Training provided by CMG at the Highway Garage (DPW) on April 6, 2022. This training covered the following topics: Hazard Communication, Flammable and Combustible Liquids, Hazard Awareness and Personal Protective Equipment. 6 Town employees attended a training at the Town dock on October 18, 2022. This training covered the following topics: spill prevention and response, stormwater management, and waste management. The Town intends to hold an illicit discharge training in early 2023. On February 8, 2019, the Town of Stonington and the Town's sampling consultant received training regarding use of a digital data collection system for dry weather outfall screening and sampling and wet weather sampling of outfalls that discharge to impaired waters.	Continue to implement joint training program for Town and Borough employees, building on the Town's current program defined in section 7.2 of the SMP	Public Works, Engineering & Borough	Ongoing throughout entire permit	See Attachment 8 for sign-in sheets and an agenda from the trainings.
6-2 Implement MS4 property and operations maintenance (Ongoing)	Ongoing	The Town purchased 5 dog waste bag stations and has installed 3 in Spellman Park along with signs. The Town intends to install the remaining two in downtown Pawcatuck. DPW will take over maintenance of these stations moving forward. In 2022, $3,060 was spent to purchase dog waste bags in the Borough. In the Borough, a dog waste bag station was donated by a pet show and additional dog waste bags have been donated. The Department of Public Works has two State certified lawn/turf care applicators who are directly responsible for the day to day maintenance of athletic fields for the	• Implement turf/fertilizer management BMPs for parks and open space • Implement pet waste education program and install additional signage, baggies, and disposal receptacles, as needed, in areas where pet walking is common • Implement waterfowl management BMPs in targeted areas as needed	Town & Borough Public Works Departments	Ongoing throughout entire permit; began July 1, 2018	

		Stonington school district. The care of these athletic fields utilizes current industry BMP standards. Two Town employees attended pesticide/ herbicide training in 2019 and one employee attended in 2020. The Town was able to reduce herbicides used on Town properties by 20% in 2019 and 10% in 2020. There were no reductions in fertilizer use nor turf area reductions on Town-owned properties in 2021 or 2022. All other municipal buildings and facilities' grounds are maintained by the Public Works Department. The Town-wide residential leaf collection program was discontinued in 2020. The Town still collects leaves from the public right of way and from areas with poor drainage through street sweeping and in response to road flood complaints. Residents can drop off yard waste at the transfer station.	• Evaluate municipal buildings and facilities for spill prevention and pollution prevention practices and implement additional BMPs as necessary • Evaluate and modify, as necessary, municipal vehicle and equipment parking, fueling, and maintenance practices • Continue to collect leaf litter from the Town ROW, roadways, Town properties and areas of poor drainage			
6-3 Implement coordination with interconnected MS4s	Ongoing	The Town currently notifies the clerk of any adjoining municipality or subdivision applications for which a significant portion of water drainage will flow through and significantly impact the adjoining municipality. The Town also requires Subdividers to obtain an encroachment permit from CTDOT when a proposed drainage system connects to a state maintained drainage system.	Coordinate with neighboring municipalities, institutions, and DOT regarding stormwater management program activities associated with the adjacent MS4s	Town Public Works, and Borough Highway Department	Ongoing	The Town continues to work with CTDOT.
6-4 Develop/ implement program to control other sources of pollutants to the MS4	Ongoing	The Town and Borough continue to control sources of pollution to the MS4 through the existing IDDE program, water quality monitoring, the Town's ordinance related to illicit discharge and illegal connection, and targeted education and outreach to commercial, industrial, municipal, institutional facilities owners/operators.	Control through IDDE program, water quality monitoring, the Town's Illicit Discharge and Illegal Connection Ordinance, and targeted education and outreach to commercial, industrial, municipal, institutional facilities owners/ operators (see BMP 1-1 within the SMP).	Town Engineering	Ongoing	

6-5 Evaluate additional measures for discharges to impaired waters*	Ongoing	The Town/Borough continued its efforts to implement BMPs identified in Section 7.2 of the SWMP. These efforts are detailed at BMPs 6-3, 6-6, 6-7, 6-8, 6-10, at Section 6.5.	Implement the measures and procedures described in Section 7.2 of the SWMP, including those measures to address stormwater pollutants of concern	Town & Borough DPW	Ongoing throughout entire permit	
6-6 Track projects that disconnect DCIA (Ongoing)	In Progress	The Town/Borough have previously contracted with Fuss & O'Neill to calculate removal of DCIA based on development projects completed within 5 years prior to the permit effective date to the current date.	Annually track total acreage of DCIA that is disconnected as part of redevelopment or retrofits (see BMPs 5-4 and 6-7 of the SMP)	Town Engineering, Planning	Ongoing throughout entire permit	
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Ongoing	In 2022 the Town and Borough completed the following stormwater infrastructure repairs/improvements: - Repaired (85) catch basins in Town - Repaired (1) catch basin in Borough - Added (8) catch basins in Town - Added (1) catch basin in Borough In 2022, the Borough hired CLA Engineers to survey and assess the entire drainage system. The Engineering Department has continued work on (3) large-scale capital improvement projects pertaining to existing stormwater conveyance systems: Washington St Drainage Improvements: Additional funding is being requested through the CIP concurrently while the DEEP COP permit, Amtrak review. Pursuant to permits, easements, and funding approvals, construction is planned for Fall 2023. Fourth District Voting Hall: The rain garden and tide gate were constructed. This project is 90% complete. Remaining work includes tidal valve adjustment and rain garden re-planting. Allen Street stormwater infiltration: This project has been completed and 0.55 acres of DCIA was disconnected.	Repair, rehabilitate, or retrofit MS4 infrastructure (e.g., conveyances, structures, outfalls) as needed in a timely manner.	Engineering, Public Works	Ongoing throughout entire permit	

6-8 Develop/ implement plan to identify/ prioritize retrofit projects (Due 7/1/20)	In progress	The Town developed soil test pits at certain locations identified in the retrofit plan to determine the infiltration capacity and retrofit project suitability. The Town's Engineering Department plans to work with the Parks Department to design and install a rain garden or bioretention basin at an area with poor drainage in 2023.	Develop retrofit plan and list of priority sites	Engineering, Planning	Draft Retrofit Plan was completed in September 2021	
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Ongoing	The Allen Street Stormwater Infiltration has been completed and included 0.55 ac of DCIA disconnection (Attachment 7).	Disconnect 1% per year of Stonington's DCIA from the MS4	Engineering, Planning	Ongoing	
6-10 Develop/ implement street sweeping program (Ongoing)	Ongoing	Both the Town and the Borough sweep streets on an annual basis. Downtown areas get swept multiple times per year to keep areas clean and prepare for special events.	Continue to inspect and sweep all municipally owned or –operated streets and parking lots Schedule for completion: a. Priority Areas – annually in spring following the cessation of winter maintenance activities (i.e., sanding, deicing, etc. b. Outside Priority Areas (inc. rural uncurbed streets and parking lots with no catch basins) – in spring or develop and implement an inspection, documentation, and targeted sweeping plan	Town of Stonington & Borough DPW	Ongoing throughout entire permit; began July 1, 2017	
6-11 Develop/ implement catch basin cleaning program (Ongoing)	Ongoing	Both the Town and the Borough clean/vacuum catch basins on an annual basis.	Inspect and clean catch basins as necessary Inspection Schedule: a. 100% within Priority Areas b. 100% of MS4 Develop a plan for optimizing catch basin cleaning (i.e., reduced frequency in certain areas) based on inspection findings, such that no catch basin is more than 50% full	Town of Stonington & Borough DPW	Ongoing throughout entire permit; began July 1, 2020	

6-12 Develop/ implement snow management practices (Due 7/1/18)	Ongoing	The Town of Stonington has 14 designated plow routes. All plow drivers have attended training for salt application and snow removal BMPs in the past. Employees are trained annually on BMPs for snow management. Training was completed in November 2019 during the prewinter operations meeting. Software to manage salt application is installed in all large trucks with built in spreaders. All trucks with spreaders are calibrated prior to the start of any winter event and then are rechecked in February. The Town minimizes the use of salt and no sand is used on the Town's road system. The Town uses treated salt only and it is only applied when the road surface is wet to ensure maximum adhesion to the road surface. GPS units were previously installed on all plow trucks within the Town of Stonington DPW Department.	• Calibrate all trucks with spreaders prior to the start of any winter event • Recheck truck calibration again in February • Minimize the use of salt to the extent practicable. • Use treated salt only and apply when road surface is wet to ensure maximum adhesion to the road surface. • Provide annual training to staff on snow removal	Town of Stonington & Borough DPW	Ongoing throughout entire permit; began July 1, 2018	

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

- The Town installed software on all plow trucks with built-in spreaders to track quantity of salt used and the application rate. This information provides the DPW with valuable information necessary to improve and properly manage snow removal operations ensuring each treatment is effective.
- Training staff for advanced snow management techniques such as pretreatment and brine applications will continue to stay in tune with the leading industry standards.
- The Town/Borough have contracted with Fuss & O'Neill to track DCIA removal estimates based on development projects completed within 5 years prior to the permit effective date to the current date.
- The Town has two licensed employees that are certified as pesticide applicators that attend annual training to keep the license active. The Town is looking to increase the number of licensed individuals.
- Continue DCIA disconnection projects.
  Continue to coordinate with the state regarding shared maintenance concerns, namely around interconnections.
- The Town intends to hold an illicit discharge training in early 2023 and will continue to seek out training opportunities for Town employees.
- The Town completed its update of Standard Operating Procedures for municipal operations related to Parks and open space, Pet waste management, Waterfowl management, Buildings and facilities, Vehicles and Equipment, and Leaf management.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Yes, October 18, 2022 Town dock spill prevention/containment, stormwater management, and waste management training

	April 6, 2022 Highway garage HAZWOPER Health & Safety training (Attachment 8) November 2019 (snow removal training)
Street sweeping	
Curb miles swept	Town: 61 miles Borough: 10 miles
Volume (or mass) of material collected	Town: 50 tons Borough: 50 yds
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	Town: 1,777 Borough: 97
Total catch basins town- (or institution-) wide	Town: 2,573 (2,158 in urbanized area) Borough: 97
Catch basins inspected	Town: 1,400 Borough: 95
Catch basins cleaned	Town: 1,400 Borough: 90
Volume (or mass) of material removed from all catch basins	Town: 96 tons Borough: 10 yds
Volume removed from catch basins to impaired waters (if known)	Town: Unknown Borough: Unknown
Snow management	
Type(s) of deicing material used	Magnesium Chloride Road Salt: Morton Ice-B-Gone or Blizzard Wizard Road Salt
Total amount of each deicing material applied	Town: 898 tons Borough: 82 tons
Type(s) of deicing equipment used	Town: Compu-Spread by Rexroth Borough: Standard Spreaders
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	Town: 234 lane miles of road per event Borough: 10 miles per ice/snow event (5 events, 50 miles total)
Snow disposal location	Spellman Park common space
Staff training provided on application methods & equipment	Two Town employees attended snow removal training in 2019
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	The Town of Stonington reduced its pesticide application rate on Town land by approximately 25% in 2018 and reduced herbicide use by approximately 20% in 2019. Herbicide use was reduced another 10% in 2020.
Reduction in turf area (since start of permit)	None
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	Borough spent $3,060 on dog waste bags.

6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program.
Both the Town and the Borough continue to clean/vacuum catch basins on a yearly basis.

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. (Due 7/1/20)
The Town and Borough have started the Retrofit Program to identify and prioritize disconnection opportunities and intends to continue to implement projects. A draft Retrofit Plan has been completed and was submitted with the 2021 Annual Report. Town and Borough continue to pursue funding opportunities to complete identified projects.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection annually in future years. (Due 7/1/22)
The Allen Street Drainage Project was completed in 2022, the Fourth District Voting Hall is 90% complete. The Town and Borough continue to work closely on these projects, are actively pursuing funding opportunities, and are working with DOT on partnership opportunities.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

1.1 Indicate 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.

Nitrogen/ Phosphorus ☒ Bacteria ☒ Mercury Other Pollutant of Concern ☐

1.2 Describe program status

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.
Wet Weather impaired waters sampling began in spring of 2019. In 2018 the Town/Borough contracted with Fuss & O'Neill to create a digital data collection system for dry weather outfall screening and sampling and wet weather impaired waters sampling. Wet Weather sampling has been conducted at >50% of outfalls with 6 additional outfalls sampled during wet weather in 2022. The results of the sampling are provided in Attachment 3.

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

2.1 Screening data

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

Each Annual Report will add on to the previous year's data showing a cumulative list of sampling data. **You may also attach an excel spreadsheet with the same data rather than copying it into this table**. If you do attach a spreadsheet, please write "See Attachment" below.

Outfall ID	Latitude / Longitude	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required? *
See Attachment 3 for outfall screening results						

Follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	Pollutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	• E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others • Total Coliform > 500 col/100ml
Bacteria (salt waterbody)	• Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB • Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

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

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall ID	Status of drainage area investigation	Control measure to address impairment
OF-47	Not yet started	
OF-92	Not yet started	
OF-225	Not yet started	
OF-328	Not yet started	
OF-245	Not yet started	
OF-88	Not yet started	
OF-90	Not yet started	
OF-10	Not yet started	
OF-38	Not yet started	
OF-332	Not yet started	
OF-77	Not yet started	
OF-20	Not yet started	

OF-230	Not yet started	
OF-231	Not yet started	
OF-331	Not yet started	
OF-39	Not yet started	
OF-235	Not yet started	
OF-63	Not yet started	
OF-154	Not yet started	
OF-161	Not yet started	
OF-159	Not yet started	
OF-96	Not yet started	
OF-97	Not yet started	
OF-162	Not yet started	
OF-319	Not yet started	
OF-B369	Not yet started	
OF-B50	Not yet started	
OF-B52	Not yet started	

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

Once outfall sampling has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2021. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall	**Latitude / Longitude**	**Sample Date**	**Parameter(s)**	**Results**	**Name of Laboratory (if used)**
See Attachment 3 for monitoring data					

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).

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
The catchment ranking was submitted with the 2019 Annual Report		

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

This screening is the baseline IDDE dry weather screening. For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed, during dry weather, of outfalls and interconnections categorized as high or low priority in priority areas. Do not include problem or excluded catchments. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
See Attachment 3 for screening and sampling data											

2.2 Wet weather sample and inspection data

This sampling data is the baseline wet weather priority catchment investigation sampling. For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide baseline sample data for outfalls and key junction manholes of any catchment area (all high priority, low priority, and problem outfalls within the priority area) with at least one System Vulnerability Factor. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern
See Attachment 3 for screening and sampling data										

3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e., categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors
Not yet started.		

Where SVFs are:

1. History of 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 Key junction manhole dry weather screening and sampling data

This screening is the dry weather priority catchment investigation screening. Provide sample data, both baseline and follow-up, for key junction manholes of any catchment area begin investigated for an illicit discharge and do not have any SVFs present. Follow-up investigations must take place within one year and again within five years. **You may also attach an excel spreadsheet with the same data rather than copying it to this table**. If you do attach a spreadsheet, please write "See Attachment" below.

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
Not yet started.						

3.3 Wet weather follow-up investigation outfall sampling data

This sampling is the follow-up investigations for the wet weather priority catchment investigation. Provide follow-up sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor. Follow-up investigations must take place within one year and again within five years. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants
Not yet started.					

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

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed
Not yet started.							

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	Document Prepared by
Print name: Danielle Chesebrough, First Selectman Signature / Date: 3-15-23	Print name: William Guenther, Fuss & O'Neill, Inc. Signature / Date: 2023-03-31
Email: dchesebrough@stonington-ct.gov	Email: wguenther@fando.com

Chief Elected Official or Principal Executive Officer
Print name: Jeffrey Callahan, Borough Warden
Signature / Date: 3.16.23
Email: borowarden@att.net

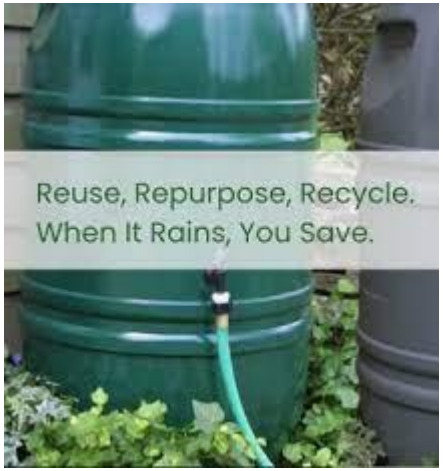
FUSS & O'NEILL

Attachment 1

Town Website Post: Great American Rain Barrels

Published on *Stonington CT* (https://www.stonington-ct.gov)

Great American Rain Barrel Purchases DUE June 19th



Rain Barrels are available to order through June 19th and can be picked up at Human Services on Wednesday, June 29th from 5-7 pm. You can order them at https://www.greatamericanrainbarrel.com/community/stonington/

Source URL: https://www.stonington-ct.gov/engineering/news/great-american-rain-barrel-purchases-due-june-19th

FUSS & O'NEILL

Attachment 2

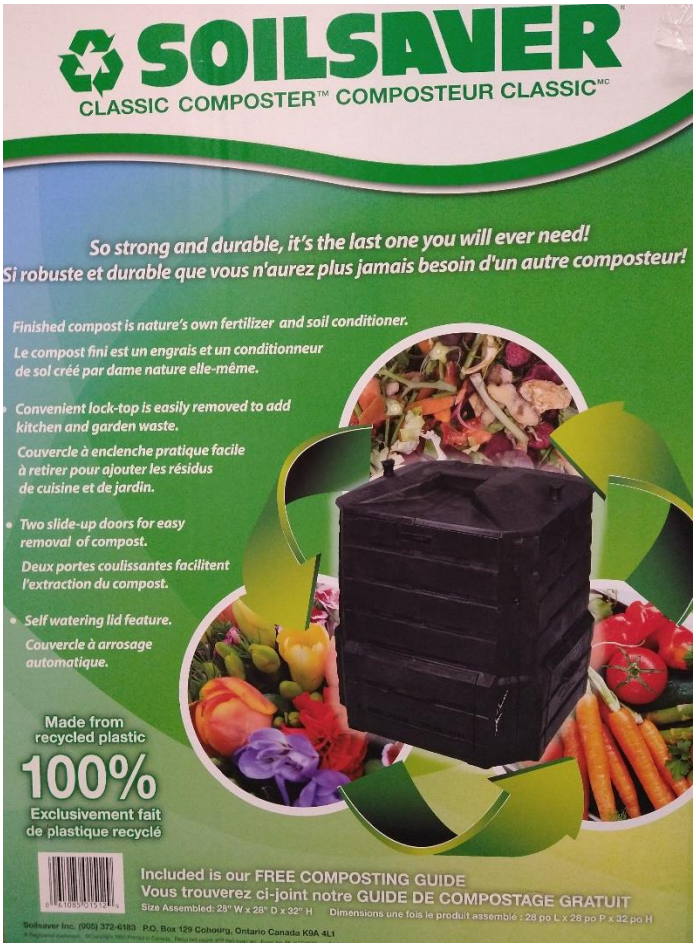
Articles in Stonington Events Magazine

Stormwater Awareness

Dead leaves, trimmed plants, and grass clippings can clog up storm drains and increase pollution to local waterways. Before roadways and drainage systems, this plant material would degrade and feed other local plants. This natural process can be replicated by composting outdoor plants with organic materials from cooking in your home. This can create healthier dirt for your garden, lawn, and other native fauna. By cleaning up your leaves and clippings you can also keep polluting material from easily entering our local waters.

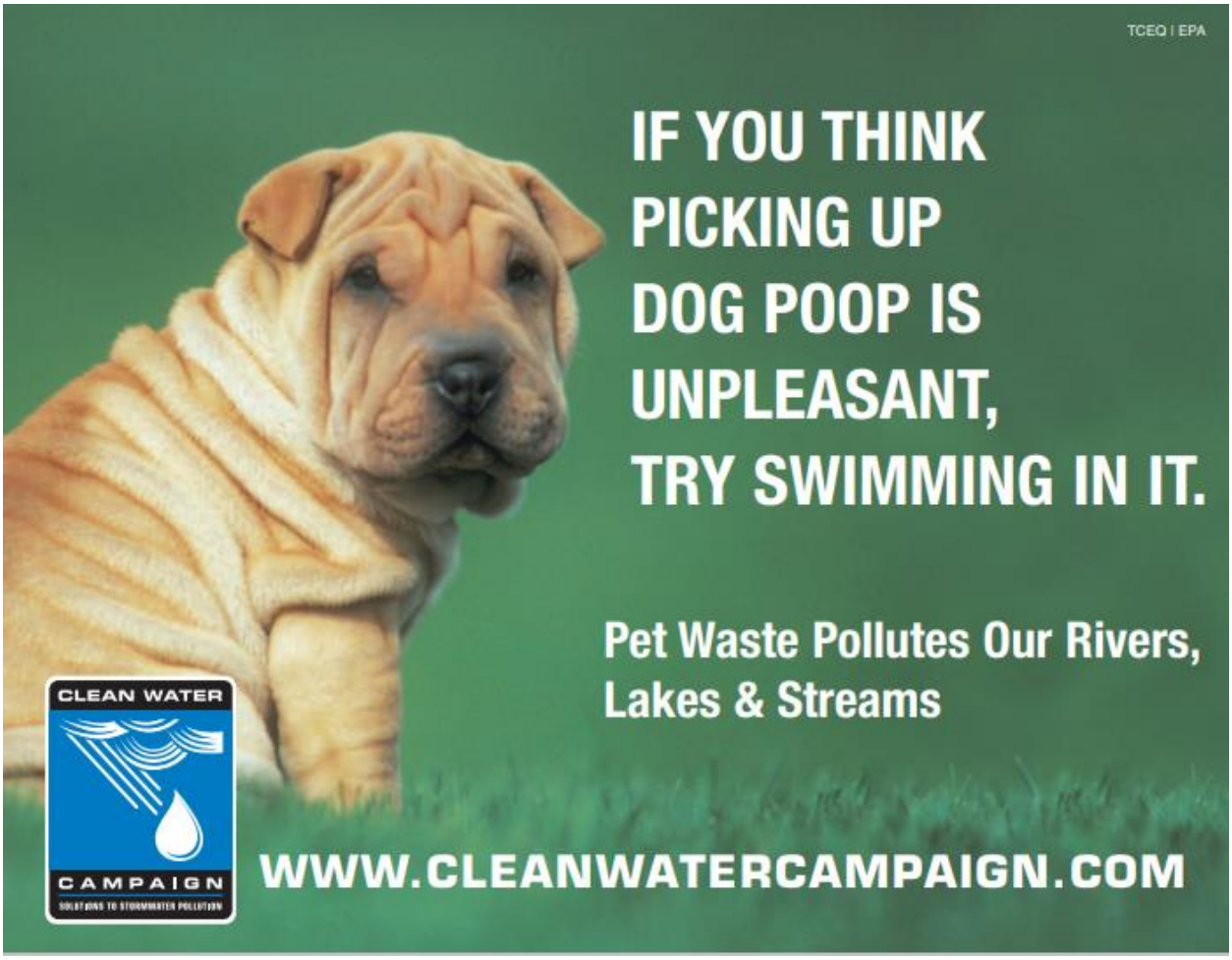
The Town of Stonington Solid Waste Department accepts all clippings and leaves year-round, at 151 Greenhaven Road Stonington CT, and provides its own composted material, free of charge, to all residents. You can learn more by visiting their website at https://www.stonington-ct.gov/solid-waste-and-recycling

If you are interested in composting at home, you can start your own composting bin, or purchase an indoor bin from a local hardware store or at Town Hall on the lower level for $45 shown here:



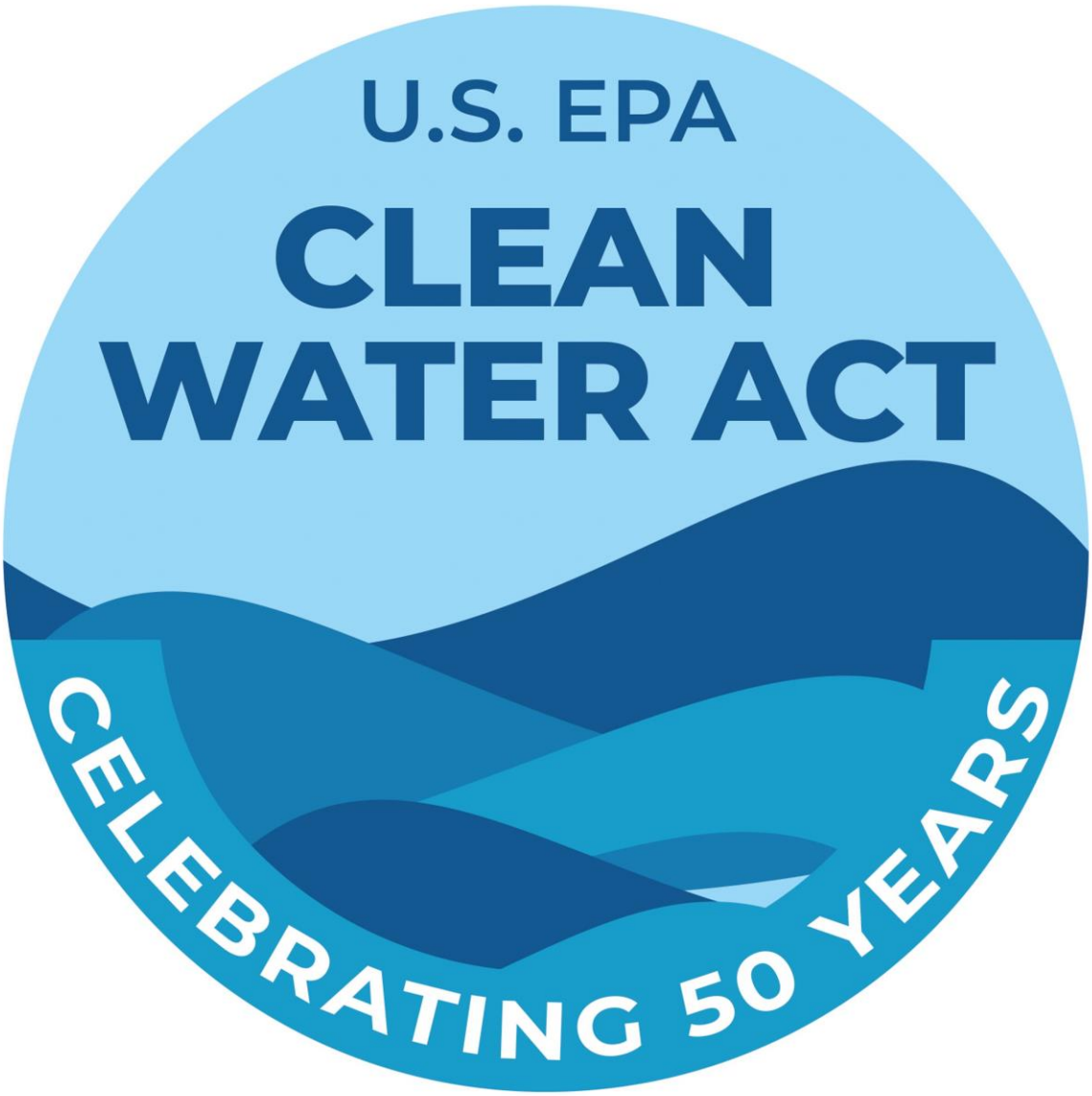
DPW Engineering Stormwater Awareness Update

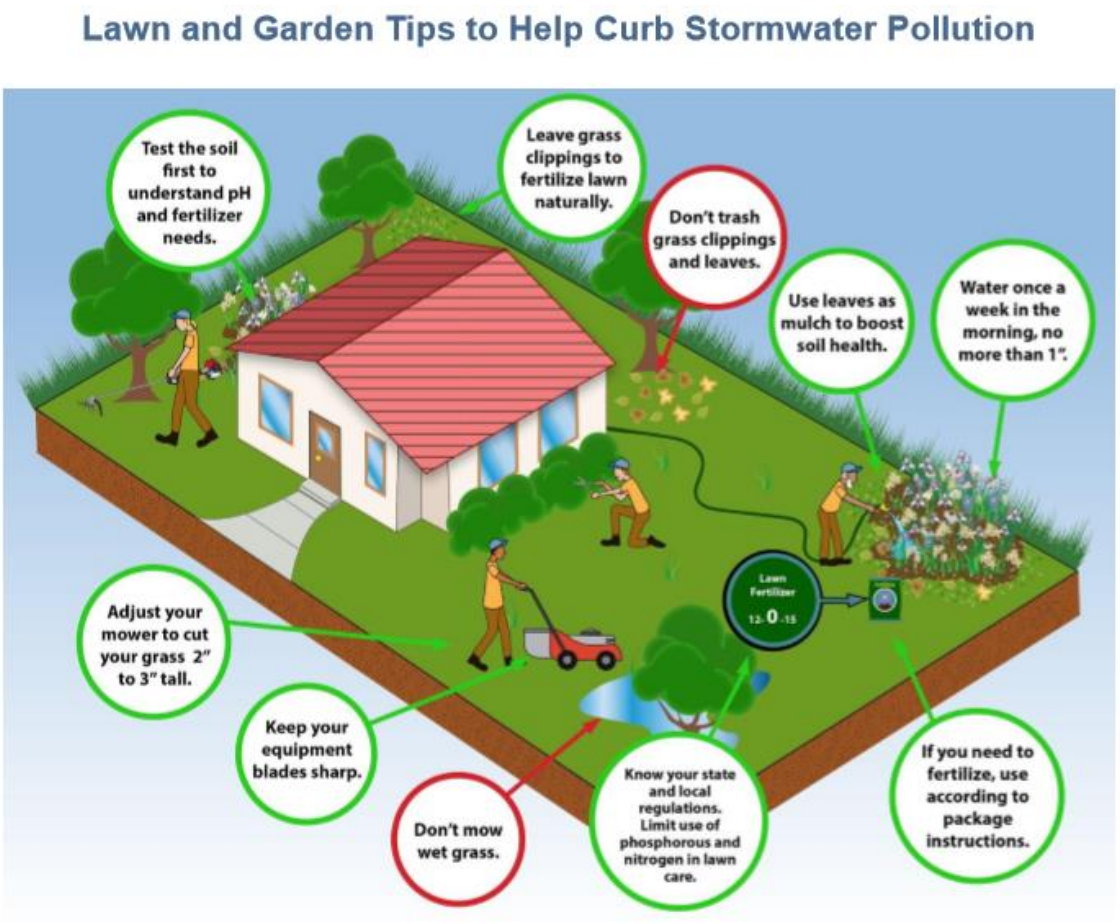
Over the past few years, the Town of Stonington has been working to monitor Stonington's waterways, in accordance with the **DEEP MS4 Permit**, to help keep important water bodies like the Pawcatuck River, the Mystic River, and the Long Island Sound clean. The most significant pollutant in our waterways is bacteria, which can be found in the annual stormwater report on our webpage (https://www.stonington-ct.gov/engineering/pages/npdes-phase-2-ms4-stormwater-permitting). Bags of pet waste are commonly found in our stormwater systems and contribute to polluting local waterways, and only better pet waste habits can help prevent this. You can also visit the **EPA's** initiative at https://www.cleanwatercampaign.com to learn more.



Engineering – Stormwater Awareness

This year the United States and the EPA celebrated 50 years of the Clean Water Act. Passed by Congress and signed by President Nixon, this act led to a significant increase in fishable and drinkable waters, but there is still more to do. In the Stonington Engineering Department, we work under the guidance of the EPA and CT DEEP with regard to the NPDES (National Pollutant Discharge Elimination System) to monitor and maintain the drainage systems in Stonington. New projects like 4th District Voting Hall in Mystic with a tidal valve and a rain garden are helping protect land and clean stormwater before it is returned to the Long Island Sound. As a citizen, you can help clean your local waters clean by throwing out your garbage in designated bins, cleaning up after your pets, and visiting sites like EPA.gov or SavetheSound.org or by visiting us at our website through https://www.stonington-ct.gov/engineering





Lawn and Garden season is upon us, and taking care of your property using environmentally friendly practices can help keep your local waterways clean. When it rains: excess chemicals from small motors, pesticides, and fertilizers will be washed into the street which drains to the closest body of water. This graphic from www.ThinkBlueMassachusetts.org shows ways you can keep your property, and all of our waters, healthy."

FUSS & O'NEILL

Attachment 3

Outfall Screening and Sampling Data

__of_detail	_Detail_Shee	Lat	Long	of_detail_	last_edited_date	notes	screen_location	screen_loc_xy	dryscreen	lsIn2010UA	GlobalID_1	flow_desc	vis_idde	olf_idde	dryscreen_date	of_subm	lastraindate	lastrainamt
1	1	41.36735348	-71.85986379	1	2022-01-20 15:31	No longer exists after renovations. All new structures behind school now. Completely unmapped			Screened	1	{349cb047-f96b-439c-a279-869d7316774d}				2020-03-12 14:10		2020-03-04 15:10	0.14
2	2	41.36435551	-71.83911821	2	2022-08-04 21:25	Accessibility issues; OF discharges into stream that leads to OF 262	of		Screened	1	{8cfe2613-da3d-41cc-ae3d-9c8c922f85d3}	m	none	none	2020-03-12 18:30	0	2020-03-04 19:30	0.14
5	5	41.3589443	-71.94520922	5	2022-01-20 15:31	Almost completely buried -Steven; F&O Comment: changed outfall condition to poor given buried status	of		Screened	0	{7631c255-73b6-44d0-8f81-2b110acfc5ef}	d1	none	none	2021-08-26 18:31	0	2021-08-22 4:00	0.71
6	6	41.37406582	-71.84128879	6	2022-08-04 21:32	Screened CB at intersection of Trumbull & Williams (furthest upstream CB without flow)	cb	xy41.374189_-71.838956	Screened	1	{f8962694-d30e-4370-8069-a60ef6f19a6e}	d1	none	none	2020-04-29 15:44	1	2020-04-26 15:44	0.19
7	7	41.36838752	-71.8368464	7	2022-08-04 21:33	Water flowing into OF from stream; likely discharges to OF 259	of		Screened	1	{17dd6bb9-0736-41e7-91aa-5e76d2854083}	d1	none	none	2020-03-12 19:30	0	2020-03-04 20:30	0.14
9	9	41.35584966	-71.90361795	9	2022-01-20 15:32				Not Found	0	{f1b5ffe0-fce0-4886-9cce-873744ec0957}				2019-02-27 17:07		2019-02-24 17:07	0.81
10	10	41.36571765	-71.96302011	10	2022-08-04 21:26	Outfall submerged. Water in upstream catch basin but no flow	cb	41.365726°N 71.962444°W	Screened	1	{4298e5ec-84d7-4dd6-9ca2-0c49ef6a8be0}	d1	none	none	2019-06-10 17:55	1	2019-06-06 17:56	0.28
11	11			11	2022-01-20 15:32		of		Screened	1	{00e90480-a344-44a8-8010-1f6ac9779459}	d1	none	none	2021-11-04 18:41	0	2021-10-31 18:41	0.45
12	12	41.34889434	-71.90345611	12	2022-01-20 15:32	See photo			Screened	0	{6056a2b5-6091-4789-9654-752b2ab04f2b}				2019-02-14 18:46		2019-02-12 18:46	0.6
13	13			13	2022-01-20 15:32	Could not find upstream structure that was not inundated			Screened	1	{51cd8777-a6fe-4d2e-9841-851c5ccb520c}				2021-07-14 13:14	1	2021-07-09 13:14	2.1
14	14	41.34821106	-71.90939949	14	2022-01-20 15:32	Buried under water			Screened	1	{a6257bd0-d5eb-4994-9ccf-6ecd88f754af}				2019-02-14 19:54	1	2019-02-12 19:51	0.6
15	15			15	2022-01-20 15:32	Inspected furthest upstream CB. All structures in line are inundated	cb	xy41.348554_-71.90851	Screened	1	{d601eabd-3d7f-4daf-ad8d-2090d0fd7690}				2021-07-14 14:18	1	2021-07-09 14:18	2.1
16	16			16	2022-05-25 18:35	Couldn't locate OF. Screened first upstream CB	cb	xy41.350014_-71.921301	Screened	1	{ff5579f2-805f-412c-acf7-407afa26de7f}	d1	none	none	2021-07-14 14:37	1	2021-07-09 14:37	2.1
17	17	41.34073979	-71.92256771	17	2022-01-20 15:32		of		Screened	0	{5b6057ea-77d6-4432-9ffc-be800a9c85a6}	d1	none	none	2019-06-05 15:09	0	2019-06-02 15:09	0.08
18	18	41.34178306	-71.91977066	18	2022-01-20 15:32		of		Screened	0	{aecc6297-7d64-48ce-a772-cfb01b54359f}	d1	none	none	2019-06-05 15:24	0	2019-06-02 15:25	0.08
19	19	41.33802465	-71.93134246	19	2022-01-20 15:32		cb	xy41.3378_-71.931421	Inaccessible	1	{4732f31a-d14c-4270-9283-452803173838}		none	none	2019-05-07 16:24		2019-08-09 16:24	0.3
20	20	41.33648977	-71.93292259	20	2022-06-23 13:15	-Steven	cb	41.336569°N 71.931637°W	Screened	1	{6ea2934f-fe4b-408a-a575-433131557877}	m	none	none	2021-08-26 15:30	0	2021-08-22 4:00	0.71
21	21			21	2022-01-20 15:32	No outfalls. Possibly dry well			Screened	1	{659731ff-7b65-4d57-abbe-dc6ed39ef6cc}				2021-08-18 14:21		2021-08-09 14:22	0.3
22	22			22	2022-01-20 15:32	Screened by Steven and Paul. under two rocks. Green Pipe	of		Screened	1	{6004c636-3c7a-4361-8662-846cf8392640}	d1	none	none	2021-08-18 14:43	0	2021-08-09 14:43	0.3
23	23			23	2022-01-20 15:32	Steven screened. Outfall location inaccurate. Screened catch basin not in his	cb	None	Not Found	1	{542a54f0-dd2a-4729-ae40-e43e2ce7dbf6}				2021-08-18 15:12		2021-08-09 15:12	0.3
24	24	41.34033703	-71.96673393	24	2022-01-20 15:32		of		Screened	1	{7809fcc4-332a-401b-a4d1-842ee37c67d4}	d1	none	none	2019-06-05 20:18	0	2019-06-02 20:18	0.08
25	25	41.33999873	-71.96906323	25	2022-06-29 18:38	Inundated, but no upstream CB on map even though it exists. Therefore, no sample taken	of		Screened	1	{aaf8cfc0-da20-498b-93c3-292d2107e5f2}	d1	none	none	2022-05-26 14:31	1	2022-05-21 20:12	0.45
26	26	41.34660705	-71.95606722	26	2022-01-20 15:32		of		Screened	1	{72463889-6e13-474c-a620-6a595afb35f9}	d1	none	none	2019-05-07 17:37	0	2019-05-06 17:37	0.19
27	27			27	2022-01-20 15:32	Couldn't find OF. Screened 1st upstream CB. Didn't appear that CB discharged at all (see photo)	cb	xy41.364522_-71.838825	Screened	1	{571156cc-c527-4c1f-a6bb-e65f6d24eb84}	d1	none	none	2021-11-04 19:48	1	2021-10-31 19:48	0.45
28	28	41.3661277	-71.83805866	28	2022-01-20 15:32	OF clogged with leaves, sediment. Upstream CB dry too	of		Screened	1	{7d7d5cf5-138e-489a-83ff-eadd1c5c2c7e}	d1	none	none	2020-03-12 19:11	0	2020-03-04 20:11	0.14
29	29	41.3605244	-71.84470921	29	2022-01-20 15:32	OF on north side of road	of		Screened	1	{ee165338-b36b-4986-b074-8ff5f599a723}	d1	none		2020-03-12 17:32	0	2020-03-04 18:32	0.14
30	30	41.35943752	-71.84800173	30	2022-01-20 15:32		of		Screened	1	{7398b1b8-4aca-4325-ac78-739ca08f4bff}	d1	none	none	2020-03-12 17:40	0	2020-03-04 18:40	0.14
31	31	41.36058115	-71.86876756	31	2022-01-20 15:32		cb	41.361596°N 71.868967°W	Screened	1	{e16fca57-7618-4854-b78b-8b0cd226ce40}			none	2020-03-12 14:26	1	2020-03-12 14:26	0.14
32	32			32	2022-01-20 15:32	Screened first upstream CB. CB grate frozen in place	cb	xy41.35863_-71.881539	Screened	1	{2b38b9ec-0810-4240-9e95-ff3a4fc670d5}	d1	none	none	2021-07-14 16:30	1	2021-07-09 16:30	2.1
34	34	41.358803	-71.94677843	34	2022-01-20 15:32		of		Screened	0	{cc51d0ff-6f38-4cbe-843d-05da413c47ed}	d1	none	none	2019-09-06 15:37	0	2019-08-28 15:37	1.31
35	35	41.35871287	-71.94527076	35	2022-01-20 15:32	Outfall under bulkhead. Could not locate. First upstream catch basin was dry	cb	41.358736°N 71.945633°W	Screened	1	{bbe70e29-30b4-48ec-b91e-6e4bc1c71d25}	d1	none	none	2019-09-06 15:43	0	2019-08-28 15:44	1.31
36	36	41.35553635	-71.96787595	36	2022-01-20 15:32	Outfall under bulkhead. Could not locate. First upstream catch basin was dry	cb	41.355272°N 71.967264°W	Not Found	1	{c4cece33-5d88-47bc-bf86-ad75a54ff7f6}	d1	none	none	2019-06-05 22:44		2019-06-02 22:44	0.08
37	37			37	2022-01-20 15:32	Possible dry well. Steven Screened. F&O Comment, note sediment in pipe, photo suggest flow desc. change to dry	cb	xy41.353895_-71.958916	Screened	1	{4e6c1f2c-2764-4936-9bb4-7ba5ca8c37f4}	d1			2021-08-18 17:46	0	2021-08-09 17:46	0.3
38	38	41.35404292	-71.96887095	38	2022-01-20 15:32	Outfall under bulkhead. Could not locate. First upstream catch basin filled with still water	cb	xy41.353799_-71.968448	Not Found	1	{946b7c24-8c49-46a8-b332-154d2eca569f}	d1	none	none	2019-06-05 22:26		2019-06-02 22:26	0.08
39	39	41.33355034	-71.92967794	39	2022-07-07 14:22		cb	41.333296°N 71.929200°W	Screened	1	{c89a4307-bb41-41b8-9dbb-d9d69a4d4bdc}	t	none	none	2019-06-05 13:22	1	2019-06-02 13:22	0.08
40	40	41.3347408	-71.92961264	40	2022-01-20 15:32				Not Found	1	{51327238-7c6f-4f17-a8ae-d1ace7e05e86}				2019-06-05 13:18		2019-06-02 13:18	0.08
41	41	41.36780312	-71.84841441	41	2022-08-05 13:14	OF not in mapped location but further south and facing north	of		Screened	1	{2a3cd93c-a80b-4979-8865-990d6ba9a440}	t	oil	none	2020-04-29 13:56	0	2020-04-26 13:56	0.19
42	42	41.37371493	-71.84258801	42	2022-08-05 13:15		of		Screened	1	{105c9cab-690a-42ad-882b-9c43933d87f6}	t	none	none	2020-04-29 16:27	0	2020-04-26 16:27	0.19
43	43			43	2022-01-20 15:32	Couldn't find OF. Screened second upstream CB	cb	xy41.381682_-71.852422	Screened	1	{a21dd34e-6103-4836-bf36-2eb36099986f}	d1	none	none	2021-11-11 20:57		2021-10-31 19:57	0.45
47	47	41.38251197	-71.96152512	47	2022-01-20 15:32		of		Screened	0	{d046a0b3-6d51-404d-9e88-a831426110ab}	d1	none	none	2019-09-06 16:49	0	2019-08-28 16:49	1.31
48	48	41.3564493	-71.96576332	48	2022-01-20 15:32				Not Found	1	{ccda5c49-c507-4eff-96bd-2b2bbfac5912}				2019-06-05 22:54		2019-06-02 22:54	0.08
49	49			49	2022-01-20 15:32	Upstream CB has pipe heading towards OF in head wall (see photo) on W side of road across from OF 49. CB grate frozen in place	of		Screened	0	{63e359f5-73f7-4e20-8e3d-e80493090ee5}	d1	none	none	2020-09-22 18:02	0	2020-09-11 18:02	0.37
50	50	41.34318503	-71.84220367	50	2022-01-20 15:32		of		Screened	1	{4a87aab8-cdb8-4b97-9853-a9694c5a907e}	d1	none	none	2020-01-10 17:35	0	2020-01-07 17:35	0.1
52	52	41.36019708	-71.84015002	52	2022-01-20 15:32	OF half full of sediment	of		Screened	1	{b3bd860e-0509-4f09-bfc2-b6047e1c89cc}	d1	none	none	2020-03-12 18:02	0	2020-03-04 19:02	0.14
53	53	41.36064785	-71.87630805	53	2022-01-20 15:32				Not Found	1	{60c4c51b-8b80-4f9a-a54d-cd231a9375f6}				2019-02-27 18:26		2019-02-24 18:26	0.81
54	54	41.34234509	-71.84067029	54	2022-08-05 13:12	Upstream pipe from in flow point 285	of		Screened	1	{18c2a409-2bb5-4a01-a89e-a34b360c3a52}	t	none	none	2020-01-10 17:43	1	2020-01-07 17:43	0.1
55	55	41.33577304	-71.83936114	55	2022-01-20 15:32		of		Screened	0	{3820a5fc-af6e-4d81-b15c-7107c8e0c272}	d1	none	none	2020-01-10 17:55	0	2020-01-07 17:54	0.1
56	56	41.35985807	-71.84020877	56	2022-01-20 15:32		of		Screened	1	{fa21cd0f-1e18-47b7-91a7-2587c69cd57e}	d1	none	none	2020-03-12 17:54	0	2020-03-04 18:54	0.14
57	57			57	2022-01-20 15:32	Damp soil along first couple feet of OF pipe, then dry/no soil	of		Screened	1	{c439dac1-c4e0-4b43-83e4-c5145195d277}	d2	none	none	2021-11-04 17:07	0	2021-10-31 17:07	0.45
58	58	41.33979371	-71.90423443	58	2022-01-20 15:32		of		Screened	1	{4ac273ad-6165-4ca8-9082-0ea7f8644ec4}	d1	none	none	2019-06-05 14:57	0	2019-06-02 14:57	0.08
59	59	41.40232134	-71.85297886	59	2022-01-20 15:32	OF half filled with debris	of		Screened	1	{290484d7-6a38-4af0-9ae4-baf5d7dcac05}	d1	none	none	2020-06-03 20:09	0	2020-05-30 20:09	0.13
60	60	41.40364551	-71.85372073	60	2022-01-20 15:32		of		Screened	1	{ea7d0403-7baa-48c7-a5a2-18ca6f947693}	d1	none	none	2020-06-03 20:16	0	2020-05-30 20:16	0.13
61	61	41.39487054	-71.86025302	61	2022-06-06 16:57		of		Screened	1	{26d5857d-7dd7-4e62-8658-5da985d5b1da}	d1	none	none	2022-06-06 16:57	0	2022-06-01 16:57	0.45
62	62	41.3874125	-71.84834786	62	2022-01-20 15:32		of		Screened	1	{2403a7b3-0157-41dc-bade-fea5d33b40c6}	d1	none	none	2020-06-03 18:10	0	2020-05-30 18:10	0.13
63	63	41.34666999	-71.9217004	63	2022-01-20 15:32		of		Screened	0	{fc5eab9f-97fd-464c-bd02-da1a8dfa7fbe}	d1	none	none	2019-09-06 14:01	0	2019-08-28 14:01	1.31
64	64	41.34606046	-71.92307883	64	2022-01-20 15:32		of		Screened	1	{5cd8284f-5206-4f89-9a02-c2f5eb0a1cf6}	d1	none	none	2019-05-07 13:47	0	2019-05-06 13:47	0.19
65	65	41.34584987	-71.92408354	65	2022-01-20 15:32	Water flows into outfall. Outfall inaccessible due to wooden platform over it	of		Screened	1	{534a4e36-6afa-4a00-8821-6e52c9002a5c}	d1	none	none	2019-06-05 15:43	0	2019-06-02 15:43	0.08
66	66	41.34612044	-71.92544128	66	2022-01-20 15:32	Outfall inundated. Inspected furthest upstream catch basin. Water in it but not flowing. THIS IS NOT AN OUTFALL, ONLY THE OPENING TO A GRASS SWALE LEADING TO A CULVERT SYSTEM FURTHER DOWN THE ROAD -Steven	of	41.346097°N 71.925908°W	Screened	1	{499fb8a9-8a51-4f56-9bb1-679e07863259}	m	none	none	2019-06-05 15:55	1	2019-06-02 15:55	0.08
67	67	41.34635316	-71.92622352	67	2022-01-20 15:32	Outfall located inside catch basin	of		Screened	1	{e35fa764-d19e-49c6-b6f3-d4e177978fb4}	d1	none	none	2019-06-05 16:04	0	2019-06-02 16:04	0.08
68	68	41.35052079	-71.92536156	68	2022-01-20 15:32	Water flows into outfall. Screening location is actually outfall. See 2nd photo	of	41.350492°N 71.924085°W	Screened	1	{bab02007-bca3-4be9-83b9-55414eafa101}	t	none	none	2019-05-07 14:45	1	2019-05-06 14:45	0.19

_of_detail	Detail_Shee	Lat	Long	of_detail_	last_edited_date	notes	screen_location	screen_loc_xy	dryscreen	IsIn2010UA	GlobalID_1	flow_desc	vis_idde	olf_idde	dryscreen_date	of_subm	lastraindate	lastrainamt
69	69			69	2022-05-26 13:23	Collected sample	cb	41.351717°N 71.925569°W	Screened	1	{ffa6fe49-6ca3-4bd5-bdf2-d5f9b7ecef63}	t	none	none	2022-05-26 13:21	0	2022-05-19 13:21	0.45
70	70	41.3472142	-71.92193905	70	2022-01-20 15:32		of		Screened	1	{ac15be17-6027-48fd-8b20-e4830b092b34}	d1	none	none	2019-06-05 15:50	0	2019-06-02 15:50	0.08
71	71	41.35668744	-71.91890462	71	2022-01-20 15:32	Rust colored water creating foam coming from outfall	of		Screened	0	{4f677b77-e706-468f-8b19-3a492af94b89}	t	foam	none	2019-09-20 19:15	0	2019-08-28 19:15	1.31
72	72	41.35663466	-71.91905572	72	2022-01-20 15:32		of		Screened	0	{ce79dbee-55af-4251-bf68-56cb0f08a2c3}	d1	none	none	2019-06-05 16:49	0	2019-06-02 16:49	0.08
74	74			74	2022-01-20 15:32	Steven Screened	of		Screened	0	{189cbb49-098f-466a-b1dc-d6c3249c95a3}	d1	none	none	2021-08-18 12:23	0	2021-08-09 12:23	0.3
75	75	41.3425434	-71.92992607	75	2022-01-20 15:32		of		Screened	0	{a8f67762-ce12-4881-b721-52df58f5b1a3}	d1	none	none	2019-06-05 13:57	0	2019-06-02 13:57	0.08
76	76	41.34283086	-71.93764649	76	2022-06-23 13:11	Outfall inundated. Inspected first upstream catch basin. Water in it but not flowing	cb	41.342842°N 71.938137°W	Screened	1	{2bc88a40-8d17-4392-a766-7ba00097e17d}	m	none	none	2019-06-05 17:28	1	2019-06-02 17:28	0.08
77	77	41.34820604	-71.93754632	77	2022-01-20 15:32	Screened by Steven	of	41.351088°N 71.938847°W	Screened	1	{cb32d3ab-90c9-4c5f-b691-8e219d3a1704}	d1	none	none	2021-08-26 14:45	0	2021-08-22 4:00	0.71
78	78	41.35878379	-71.94508217	78	2022-01-20 15:32	This is an inlet for the uphill property that drains to outfall 5 -Steven outfall 313 and 79 on same place on GIS. They are exactly the	of		Screened	1	{c015ac13-4cf6-4b3e-aa44-e9535de5853f}	d1	none	none	2021-08-26 15:30	0	2021-08-22 4:00	0.71
79	79	41.35887225	-71.94422541	79	2022-01-20 15:32	same. 313 is redundant	of		Screened	1	{a766e292-d7bb-4008-b988-85586698e8a6}	d1	none	none	2021-08-18 15:15	0	2021-08-09 4:00	0.3
80	80	41.35890126	-71.94420773	80	2022-01-20 15:32	Rescreened by Steven. Outfall is accurate. Many new outfalls after school retrofit. Steven will pursue further clarification. This outfall is complete and screened.	of		Screened	1	{b6c66dd5-4227-4348-bf0b-f2699ab078b2}	d1	none	none	2021-08-18 17:00	0	2021-08-09 4:00	0.3
81	81	41.3571285	-71.94933083	81	2022-01-20 15:32	At back edge of property, under large rock headwall	of		Screened	1	{4b301ee1-4252-4b43-95dd-34b6943dcf5b}	d1	none	none	2021-08-18 14:30	0	2021-08-09 4:00	0.3
82	82	41.34994622	-71.96571437	82	2022-05-26 17:21	OF not found. Screened first upstream CB. No flow	cb	xy41.349832_-71.964355	Screened	1	{3f86a256-05f7-4070-9457-bd9d42069423}	d1	none	none	2022-05-26 15:37	1	2022-05-19 15:37	0.45
83	83	41.34512049	-71.95721012	83	2022-01-20 15:32		of		Screened	1	{6dd80bbd-127d-48a3-a210-fe05b155fd5b}	d1	none	none	2019-06-05 20:03	0	2019-06-02 20:03	0.08
84	84	41.34925424	-71.95420282	84	2022-08-04 21:33	Outfall inundated. Inspected furthest upstream catch basin. Water in it but not flowing	cb	41.349370°N 71.954154°W	Screened	1	{74c8e0ce-e860-4a9c-bc22-e6b4d322d77b}	m	float	none	2019-06-05 19:55	1	2019-06-02 19:55	0.08
85	85	41.34937416	-71.95429205	85	2022-01-20 15:32	Outfall inundated. Inspected furthest upstream catch basin. Water in it but not flowing	cb	41.349370°N 71.954154°W	Screened	1	{b0d2e0bc-44ac-47c8-a072-d33d0bd87b12}	m	none	none	2019-06-05 19:49	1	2019-06-02 19:49	0.08
86	86	41.3504602	-71.95577029	86	2022-06-20 17:07	Outfall from headwall OF-87 and upstream CB at 36 Hatch which was not flowing	cb	xy41.34964_-71.956441	Screened	1	{20a749db-62dc-4b80-a1f3-8cd10f6f0b0c}	m	none	none	2020-01-10 15:10	1	2022-05-19 14:59	0.45
87	87	41.3504406	-71.95557315	87	2022-05-26 17:20	24” RCP in flow head wall from wetlands. THIS IS AN INLET HEADWALL			Screened	1	{f8db7f6c-a778-4568-a983-4a4f9246a462}	d2	none	none	2022-05-26 14:19	1	2022-05-19 14:05	0.45
88	88	41.35484575	-71.9536538	88	2022-01-20 15:32		of		Screened	1	{cca4145b-a36d-4b38-8f07-8c55af57e694}	d1	none	none	2019-06-05 19:12	0	2019-06-02 19:12	0.08
89	89	41.3552752	-71.95317626	89	2022-06-20 17:03	Outfall inundated. Inspected from upstream catch basin. Water in it but not flowing	cb	41.355133°N 71.952619°W	Screened	1	{3e3c1eda-00eb-4abe-bdc2-5719ecc5e915}	m	none	none	2019-06-05 19:03	0	2019-06-02 19:03	0.08
90	90	41.35744306	-71.95327988	90	2022-06-20 16:59		of		Screened	1	{72fa9298-d8b5-4222-a8c6-45d5fbe25f35}	m	none	none	2021-08-18 17:00	0	2021-08-09 4:00	0.3
91	91	41.35807078	-71.95545269	91	2022-01-20 15:32	Inspected first upstream CB. No flow. CB grate frozen in place	cb	41.35801°N 71.955907°W	Screened	1	{f795b97c-5cda-46b9-a5ab-a0dfd2371c8a}	d1	none	none	2019-09-06 14:48	1	2019-08-28 14:48	1.31
92	92	41.3528573	-71.95686649	92	2022-08-03 19:28	Could not locate upstream inflow	of		Screened	1	{38f9854d-2d93-430a-8946-dd07c224dd49}				2019-09-06 15:09	1	2019-08-28 15:09	1.31
93	93	41.35346611	-71.9571098	93	2022-08-03 19:27	Upstream CB no flow, outfall 2 pipe 18” HDPE from CB, 15” HDPE from CB	cb	41.35362°N 71.957165°W	Screened	1	{e3d7d4b4-c83f-41d0-b41b-e0941710e097}	d1	none	none	2019-09-06 15:14	1	2019-08-28 15:14	1.31
94	94	41.35313117	-71.96144722	94	2022-08-12 15:11	Outfall has been abandoned and catch basin filled in			Inaccessible	1	{5cfaf06c-0ea8-404d-85a1-07adf6b30b6b}				2021-08-18 17:30		2021-08-09 4:00	0.3
95	95	41.35187316	-71.96374874	95	2022-01-20 15:32	Outfall located in catch basin	of		Screened	1	{7d652de1-9b64-4226-b4d5-4c4181b84470}	d1	none	none	2019-06-05 21:28	0	2019-06-02 21:28	0.08
96	96	41.34448498	-71.90965866	96	2022-01-20 15:32				Screened	1	{8714841f-4dbc-4efb-871e-e9e7042c75ed}	d1	none	none	2019-02-14 19:16	0	2019-02-12 19:16	0.6
97	97	41.34379118	-71.90869836	97	2022-01-20 15:32				Screened	1	{ae05dc2a-b79c-4812-b8c1-0c0d61617057}	d1	none	none	2019-02-14 19:12	0	2019-02-12 19:12	0.6
98	98	41.34503814	-71.90088376	98	2022-01-20 15:32	Some debris			Screened	1	{66d8f9ef-a308-4f26-8b73-7acf43b333ed}	d1	none	none	2019-02-12 18:54	0	2019-02-12 18:54	0.6
99	99	41.39521948	-71.84424988	99	2022-08-12 15:11		of		Screened	1	{a6e52779-3777-422c-80fb-3870c2580a5a}	d1			2021-11-24 13:14	0	2021-11-22 13:15	
100	100	41.38359969	-71.83506086	100	2022-08-04 21:26	OF is in-flow from adjacent stream. See photos	of		Screened	1	{40980011-14d6-4bcc-9e80-89619a6894a2}	h	none	none	2020-05-14 19:58	0	2020-05-08 19:58	0.36
101	101	41.38356675	-71.83407043	101	2022-08-05 13:16		of		Screened	1	{e4c091ec-8f97-45da-af82-eafd74aeaa31}	h	none	none	2020-05-14 19:39	0	2020-05-08 19:39	0.36
102	102	41.35851845	-71.95333999	102	2022-08-04 21:26	Water flows into outfall from adjacent wetland thru catch basin in road and out outfall 110. THIS IS AN INLET - Steven	of		Screened	1	{e1509ebc-1456-4cbc-b557-fac714160a19}	h	none	none	2022-05-26 15:55	1	2022-05-21 15:55	0.45
103	103	41.35199117	-71.96867116	103	2022-01-20 15:32		of		Screened	1	{0f723190-2708-4a9c-a247-0ee584557c94}	d1	none	none	2019-06-05 22:13	0	2019-06-02 22:13	0.08
104	104	41.35212493	-71.96703943	104	2022-06-20 16:50	Outfall inundated. Inspected upstream catch basin. Water in it but not flowing	cb	41.352267°N 71.966927°W	Screened	1	{29d0dea2-0ad8-4cc7-a242-bdb1a16737d4}	m	none	none	2019-06-05 22:02	1	2019-06-02 22:02	0.08
105	105	41.35615025	-71.96611215	105	2022-06-20 16:46	Outfall inundated. Inspected first upstream catch basin. Water in it but not flowing	cb	41.356117°N 71.966026°W	Screened	1	{5d798608-b895-45af-a989-cb4c49e70710}	m	float	none	2019-06-05 22:50	1	2019-06-02 22:50	0.08
106	106	41.35697551	-71.96467061	106	2022-01-20 15:32		of		Screened	1	{6e92eda0-12f1-465e-b85d-99edfd5a7d27}	d1	none	none	2019-06-05 23:13	0	2019-06-02 23:13	0.08
107	107	41.35836289	-71.96283723	107	2022-01-20 15:32	Outfall inundated. Inspected first upstream catch basin. Water in it but not flowing	cb	41.358258°N 71.962833°W	Screened	1	{b1ff7c07-cd89-40f0-b933-22a9f8571cfb}	d1	none	none	2019-06-05 23:30	1	2019-06-02 23:30	0.08
108	108	41.35768401	-71.96275701	108	2022-01-20 15:32	Outfall inundated. Inspected first upstream catch basin. Water in it but not flowing	cb	xy41.357614_-71.962769	Screened	1	{1f9d5b81-f06b-4c71-b6c7-c6f8c0601af8}	d1	none	none	2019-06-05 23:19	0	2019-06-02 23:19	0.08
109	109	41.35599403	-71.96492922	109	2022-01-20 15:32	Outfall diameter approximately 48”. Outfall inundated. First upstream catch basin was dry	cb	41.355544°N 71.964707°W	Screened	1	{7368debb-6bde-49df-8ad1-0052d4a8b947}	d1	none	none	2019-06-05 23:03	1	2019-06-02 23:04	0.08
110	110	41.35832293	-71.95331668	110	2022-06-20 16:55	Water flows into outfall 102 from adjacent wetland thru catch basin in road and out outfall 110. Screened 2nd upstream CB	cb	xy41.358383_-71.953684	Screened	1	{2211b229-8c43-4b19-b4d1-13c134990655}	h	none	none	2022-05-26 16:35	1	2022-05-19 16:35	0.45
111	111	41.333341	-71.84508112	111	2022-07-07 16:25	Steven screened. culvert end with one catch basin	of		Screened	0	{6d33e0ad-e02c-4e6a-a4dd-dda58c22cff6}	h	none	none	2021-11-24 23:55	1	2020-01-07 18:55	0.1
113	113	41.33901164	-71.89816037	113	2022-01-20 15:32	Another outfall (not on map) nearby. Nearly filled in. See photo	of		Screened	1	{dcb76b3a-87b0-4db4-8765-9ced40cb35ea}	t	none	none	2019-09-19 19:17	0	2019-08-28 19:17	1.31
114	114			114	2022-01-20 15:32		of		Screened	0	{6df88ea8-e6df-4536-861c-e9eed03cb740}	d1	none	none	2020-09-22 17:00	0	2020-09-11 13:40	0.37
115	115	41.34095348	-71.90232413	115	2022-01-20 15:32		of		Screened	1	{b72e7107-175c-4fd9-8d01-ae81b115c9c9}	d1	none	none	2019-05-07 12:12	0	2019-05-06 12:12	0.19
116	116	41.34376436	-71.89648366	116	2022-01-20 15:32		of		Screened	1	{a5391f9b-9ff6-4c26-9612-4ea99f98a617}	d1	none	none	2019-09-20 19:02	0	2019-08-28 19:02	1.31
117	117	41.35805572	-71.86718752	117	2022-01-20 15:32				Screened	1	{0583de28-b8b5-4e1e-8d29-aa6acf158886}	d1	none	none	2019-02-27 18:44	0	2019-02-24 18:44	0.81
118	118	41.367453	-71.94323114	118	2022-01-20 15:32		of		Screened	0	{cebcfc85-d53b-43e2-ad11-6cef9c21ab66}	d1	none	none	2019-06-10 19:53	0	2019-06-06 19:53	0.28
119	119	41.37488658	-71.94283249	119	2022-06-20 16:29	Screened by Steven	cb	xy41.375587_-71.941678	Screened	0	{cb085b76-27a9-4646-9c71-68339101a0d0}	t	none	none	2021-08-26 17:15	0	2021-08-22 4:00	0.71
120	120	41.37537295	-71.94817715	120	2022-01-20 15:33	-Steven	of		Screened	0	{39a40035-dac2-4773-ac21-c26d805d4d5a}	d1	none	none	2021-08-26 17:15	0	2021-08-22 4:00	0.71
129	129	41.36515225	-71.93426807	129	2022-06-20 16:35		of		Screened	0	{38b06212-84a8-41fd-be59-f490c05540bf}	t			2021-08-26 15:55	0	2021-08-22 15:58	0.71
130	130	41.36487899	-71.93491554	130	2022-01-20 15:33	Submerged in plunge pool	cb	xy41.364917_-71.935124	Screened	0	{1a8776f9-ee2d-4042-ae3a-69f498a9da92}				2020-01-10 20:57	1	2021-08-22 19:58	0.71
131	131	41.36490924	-71.9348644	131	2022-01-20 15:33	No Longer Exists -Steven	of		Screened	0	{cdff68e0-11ad-4f72-b437-f47acca75cae}				2021-08-26 15:15	1	2021-08-22 4:00	0.71
132	132	41.34690046	-71.95410896	132	2022-01-20 15:33	Outfall inundated. Inspected upstream catch basin. Water in it but not flowing	cb	41.346874°N 71.954114°W	Screened	1	{a84472f3-ae36-4c48-8f06-e89ddcf91e4b}	d1	none	none	2019-06-05 20:40	1	2019-06-02 20:40	0.08
133	133	41.34678549	-71.95380482	133	2022-01-20 15:33		of		Screened	1	{b2d11bac-bdaf-4d81-8c47-c6c03fe8f5fa}	d1	none	none	2019-06-05 20:38	0	2019-06-02 20:38	0.08
134	134	41.35123597	-71.95640151	134	2022-01-20 15:33		of		Screened	1	{9af727bf-1996-4245-80b5-21d8123363b3}	d1	none	none	2019-06-05 19:36	0	2019-06-02 19:36	0.08
135	135	41.35845882	-71.94938979	135	2022-05-26 16:53	Two-thirds full of sediment. Directly west of corrugated culvert inlet	of		Screened	0	{0ef9ea05-8584-4b6d-a665-fa2dc0c033fd}	d1	none	none	2022-05-26 16:51	0	2022-05-19 16:51	0.45
136	136	41.36530155	-71.93287194	136	2022-01-20 15:33		cb	41.365290°N 71.933032°W	Screened	0	{e0639a06-7b40-427a-a309-c94bce5411a7}	m	none	none	2019-06-10 19:23	1	2019-06-06 15:12	0.28
137	137	41.37341502	-71.94930999	137	2022-05-26 17:15		cb	xy41.373232_-71.94935	Screened	1	{c8609fb0-52c0-4c39-b69d-5c1733233591}	m	none	none	2022-05-26 17:15	1	2022-05-19 17:15	0.45

_of_detail	Detail_Shee	Lat	Long	of_detail_	last_edited_date	notes	screen_location	screen_loc_xy	dryscreen	IsIn2010UA	GlobalID_1	flow_desc	vis_idde	olf_idde	dryscreen_date	of_subm	lastraindate	lastrainamt
138	138	41.37419709	-71.94862214	138	2022-01-20 15:33	Water in upstream catch basin but not flowing	cb	41.374220°N 71.948529°W	Screened	1	{33fc9c19-492d-4fb7-a02e-800061c921dd}	d1	none	none	2019-06-10 21:28	1	2019-06-06 21:28	0.28
139	139	41.37411757	-71.94807762	139	2022-08-04 21:28	No upstream catch basin indicated on map. 3 outfalls at location: (2) 48-inch diameter and (1) smaller that was not flowing			Screened	0	{8c17f5e0-1f6d-4c33-a3ad-08e2cc9c338d}	m	none	none	2019-06-10 21:37	1	2019-06-06 21:37	0.28
140	140	41.37378582	-71.94810047	140	2022-01-20 15:33	Water in upstream catch basin but not flowing	cb	41.374220°N 71.948529°W	Screened	1	{6a021d96-f789-498c-91b6-76bbdf250c44}	d1	none	none	2019-06-10 21:09	1	2019-06-06 21:09	0.28
141	141	41.37352034	-71.94777762	141	2022-01-20 15:33		cb	41.373552°N 71.947730°W	Screened	1	{3803c660-4093-42d4-8671-75290caff86c}	d1	none	none	2019-06-10 20:58	1	2019-06-06 20:58	0.28
142	142	41.37357599	-71.94750513	142	2022-01-20 15:33		of		Screened	0	{37724e95-44fd-438f-90ab-34c866a38655}	d1	none	none	2019-06-10 20:56	0	2019-06-06 20:56	0.28
143	143	41.38093929	-71.95832217	143	2022-01-20 15:33		of		Screened	1	{96ff2256-677c-4963-aaf4-4ff1a26d8891}	d1	none	none	2019-09-06 5:05	0	2019-08-28 17:05	1.31
144	144	41.38237575	-71.95735313	144	2022-01-20 15:33		of		Screened	1	{e02483ef-a83d-4ec0-8c1b-65ce8b6b1f5c}	d1	none	none	2019-09-06 16:52	0	2019-08-28 16:52	1.31
145	145	41.38525276	-71.8332058	145	2022-01-20 15:33	Could not locate OF/no access. Screened first upstream CB	cb	xy41.385292_-71.833357	Screened	1	{5827c894-7c6d-4d0f-8cf3-c409749ea95b}	d1	none	none	2020-05-14 19:30		2020-05-08 19:30	0.36
146	146	41.38643757	-71.85978717	146	2022-08-05 13:12	All upstream structures are inundated. Minor flow out of furthest upstream CB. CB covers were frozen in place	cb		Screened	1	{76e78a96-92d6-4951-882b-e41087eeb34b}	t	none	none	2020-05-14 17:15	1	2020-05-08 17:15	0.36
147	147	41.34171577	-71.90148013	147	2022-01-20 15:33				Screened	1	{993a3336-6d31-4b8c-a2fb-7a3735dbe1f5}	d1	none	none	2019-02-14 20:16	0	2019-02-12 20:16	0.6
148	148	41.35203066	-71.84335723	148	2022-01-20 15:33	No access to OF due to chain link fence surrounding retention pond that OF discharges to	of		Screened	1	{62010201-1374-4238-97dd-92fff1c48db0}	d1	none	none	2020-03-12 14:58	0	2020-03-04 15:58	0.14
149	149			149	2022-05-18 18:39	CB cover sedimented in; could not remove	cb	xy41.365254_-71.868181	Revisit	1	{ae20fe3b-b83d-4818-b614-bbf71980b96f}	d1	none	none	2020-09-22 19:09	0	2020-09-11 19:09	0.37
152	152			152	2022-01-20 15:33	Not sure what this is. All catch basins backed up. F&O Comment, inlet invert looks dry rather than damp, modified.	cb	xy41.351071_-71.962548	Screened	1	{a60d3e10-38a2-492e-8f63-81cacb6119c2}	d1	none	none	2021-08-18 18:36	1	2021-08-09 18:36	0.3
153	153	41.35053329	-71.96129793	153	2022-05-26 15:19	First upstream catch basin under water. THIS PRIVATE PROPERTY FROM STATE SYSTEM -Steven			Screened	1	{502b22aa-6f48-4c9d-ad51-e2fa7d766d45}				2022-05-26 15:18	1	2022-05-21 21:14	0.45
3	3	41.36420016	-71.87268376		2022-01-20 15:33				Unscreened	0	{7c2ae59d-143c-4d35-98a2-2af36ec747e8}							
4	4	41.35936262	-71.90350679		2022-01-20 15:33				Unscreened	0	{657b6c55-b404-463a-9414-86d0aeabd9fd}							
8	8	41.36985669	-71.87008874		2022-01-20 15:33				Unscreened	0	{f3408d8a-2d3a-4245-a44c-2bd77693ee10}							
33	33	41.35936277	-71.90374069		2022-01-20 15:33				Unscreened	0	{f90122db-4942-4408-9bab-3d4ab1398fb0}							
44	44	41.36975444	-71.86991703		2022-01-20 15:33				Unscreened	0	{b5c3750f-242f-4e1d-8915-5979fc55d25d}							
45	45	41.36988745	-71.91829145		2022-01-20 15:33				Unscreened	0	{cc68c5f4-aa1b-4fab-a9d0-7fa4aeb45891}							
46	46	41.37155343	-71.92987669		2022-01-20 15:33				Unscreened	0	{33435212-8204-432a-a3d3-45da7c48eec5}							
51	51	41.34323413	-71.84786603		2022-08-03 19:29				Screened	0	{89b8170d-f0b3-4421-8a23-5dd58871a713}							
73	73	41.35791382	-71.91798739		2022-01-20 15:33				Unscreened	0	{3dd3f8c4-bac3-4439-985a-39171b86a9e4}							
121	121	41.36904935	-71.92240899		2022-01-20 15:33				Unscreened	0	{7905e53a-c370-4291-ad3b-acc924beb4db}							
122	122	41.3673702	-71.92820907		2022-01-20 15:33				Unscreened	0	{9741a685-110a-4a9a-86d4-8ccb0a02d145}							
123	123	41.3672926	-71.92809815		2022-01-20 15:33				Unscreened	0	{457bf42d-acfe-4bbf-9e26-23315a3f85c7}							
124	124	41.36531562	-71.92840013		2022-01-20 15:33				Unscreened	0	{e4f5699b-f07a-42ef-b18a-91b35b471b85}							
125	125	41.36438658	-71.9266982		2022-01-20 15:33				Unscreened	0	{56ddd3e5-ebb9-4a71-b004-c846010c5a77}							
126	126	41.36350526	-71.92709443		2022-01-20 15:33				Unscreened	0	{32aab453-28bb-495d-801a-27c63f829f68}							
127	127	41.36143933	-71.92351255		2022-01-20 15:33				Unscreened	0	{3ef27404-8558-47cc-a2b4-9b4aa19d2ffe}							
128	128	41.36219862	-71.92366764		2022-01-20 15:33				Unscreened	0	{a5b7d97d-f4f3-4b48-aa42-a54e7cdbdaaf}							
151	151	41.37810945	-71.89956542		2022-08-19 12:57	TOS screen	of		Screened	0	{93eaa01a-5230-40f0-bf44-84a86497dee4}	d1	none	none	2022-08-19 12:55	0	2022-08-17 12:56	0.6
154	154	41.34723307	-71.91990524	154	2022-01-20 15:33		of		Screened	1	{046136d1-d2c5-4c26-9d6b-8de98507b3c8}	d1	none	none	2019-05-07 13:37	0	2019-05-06 13:37	0.19
155	155	41.34599884	-71.91933079	155	2022-01-20 15:33		of		Screened	1	{28429b26-5314-4268-933c-d35eccffe962}	d1	none	none	2019-05-07 13:32	0	2019-05-06 13:32	0.19
156	156	41.34608191	-71.9183627	156	2022-01-20 15:33	Outfall inundated. Inspected first upstream catch basin. Water in it but not flowing. New pictures 8/26/21 -Steven	cb	41.346442°N 71.918054°W	Screened	0	{bdb2b724-9ee8-413d-b008-be66cb5334fb}	d1	none	none	2021-08-26 14:30	1	2021-08-22 4:00	0.71
157	157	41.34749023	-71.90359933	157	2022-01-20 15:33		of		Screened	1	{6e5ec984-dbbb-4cae-b0f6-869f691982a4}	d1	none	none	2019-05-07 13:13	0	2019-05-06 13:13	0.19
158	158	41.34719759	-71.90993667	158	2022-01-20 15:33		cb	xy41.347099_-71.910448	Screened	1	{046a64c3-8faf-472d-8699-2754beefe7d9}		none	none	2019-02-27 16:45	1	2019-02-24 20:03	0.81
159	159	41.34712071	-71.90699414	159	2022-07-07 14:34				Screened	1	{7c527aa4-d7ac-4c74-9db8-46024fba1a17}	t						
160	160			160	2022-05-26 12:47	OF not found. Inspected farthest (3rd) upstream catch basin. Light tan, rust colored water. See photo.	cb	xy41.346094_-71.90982	Screened	1	{0e6d2708-f39e-48e6-b4aa-531acc30fdbc}	d1	none	none	2022-05-26 12:39	1	2022-05-19 12:39	0.45
161	161	41.34532451	-71.91320444	161	2022-01-20 15:33	Pipe is deteriorating			Screened	1	{8030b367-ce77-4e7f-aefd-a334a5564e39}	d1	none	none	2019-02-14 19:23	0	2019-02-12 19:19	0.6
162	162	41.34287481	-71.90585089	162	2022-01-20 15:33	Two identical pipes			Screened	0	{2e1f62fc-5d66-4d69-9be4-a322ffd4f4ff}	d1	none	none	2019-02-14 19:06	0	2019-02-12 19:06	0.6
163	163	41.33896686	-71.9016136	163	2022-01-20 15:33				Screened	1	{3363ad1a-54ea-4060-a468-b8c4be406d03}	d1	none	none	2019-02-14 15:47	0	2019-02-12 15:47	0.6
164	164	41.3403078	-71.89989356	164	2022-01-20 15:33		of		Screened	1	{ad588653-799b-4e85-837b-a5561195a421}	d1	none	none	2019-05-07 12:43	0	2019-05-06 12:43	0.19
165	165	41.34279707	-71.89796001	165	2022-08-03 19:25				Screened	1	{953ec4d7-f985-4c52-90d4-44e70a9b736a}							
166	166	41.35715646	-71.92610223	166	2022-01-20 15:33	-Steven F&O Comment: photos do not indicate moderate flow. changed to dry.	cb	41.356804°N 71.926669°W	Screened	0	{6b643ea0-8dce-4b0b-bd2c-91b73711385a}	d1	none	none	2021-08-26 14:45	1	2021-08-22 4:00	0.71
167	167	41.35349122	-71.87836807	167	2022-08-05 13:11	10".. from catch basin, flow first comes out of corrugated metal pipe, then into pond, and finally into plastic pipe ending on other side of road... second picture shows the transfer (first picture is ending point where OF 167 is labeled on map)			Screened	0	{f403e66d-bff6-4e80-96a1-c077e0fd8356}	t	none	none	2019-02-27 18:30	0	2019-02-24 18:31	0.81
168	168			168	2022-06-06 14:51	Could not find OF so inspected nearby CB but no indication of pipe leading to OF. See photos. Inspected upstream 2nd CB on N side of road despite no connection to OF.	cb	xy41.35863_-71.881539	Screened	1	{344c1630-35ea-4282-8c7e-7d308fe72eb0}	d1	none	none	2022-06-06 14:48	0	2022-06-01 14:48	0.45
171	171			171	2022-01-20 15:33		cb	41.354098 / -71.851755	Screened	1	{0175b623-5ff3-4c46-9480-f8d848f929c6}	d1	none	none	2021-11-04 19:13	1	2021-10-31 19:13	0.45
172	172	41.35534564	-71.8533807	172	2022-07-07 16:19	Need to sample	of		Screened	1	{ca67acb5-13c6-4d35-9e4b-f96a83c16d49}	t	none	none	2020-01-10 17:23		2020-01-07 17:23	0.1
173	173	41.38505198	-71.84284551	173	2023-01-10 19:13	Screened first upstream CB not inundated/flowing	cb	xy41.38565_-71.841495	Screened	1	{57f1865b-0de9-4e6d-b0d7-458130989634}	d1	none	none	2020-05-14 18:59	1	2020-05-08 18:59	0.36
174	174	41.3847235	-71.84403797	174	2022-08-04 21:29		of		Screened	1	{919d2e16-6871-4715-b5e6-458e63481987}	m	none	none	2020-05-14 18:50	0	2020-05-08 18:50	0.36
175	175	41.38469503	-71.84443472	175	2022-08-12 15:10	OF is in-flow from adjacent stream. See photos	of		Screened	1	{f3231999-5c32-4384-92d4-525ccea4dc46}	m	none	none	2020-06-03 16:53	0	2020-05-30 16:53	0.13
176	176	41.38443194	-71.8425806	176	2022-08-04 21:30	OF is in-flow from adjacent pond. See photos	of		Screened	1	{01790d2c-ad75-498f-ab5c-fec3f233defa}	m	none	none	2020-06-03 17:01	0	2020-05-30 17:01	0.13
177	177	41.38809264	-71.83402291	177	2022-05-25 18:36		of		Screened	1	{dde3068f-597b-43f2-b051-88dbd34e7601}	d1	none	none	2020-05-14 19:15	0	2020-05-08 19:15	0.36
178	178	41.38157172	-71.83328176	178	2022-05-25 18:36		of		Screened	1	{43cc4670-ce1a-4f81-8b39-a73c644e1f26}	d1	none	none	2020-05-14 14:41	0	2020-05-08 14:41	0.36
179	179	41.38073581	-71.83298786	179	2022-08-05 13:15		of		Screened	1	{c9b0519e-551d-4f7e-818f-914de58522c7}	t	none	none	2020-05-14 14:32	0	2020-05-08 14:32	0.36
180	180	41.37879734	-71.83692638	180	2022-08-04 21:30	OF is in-flow from concrete drainage structure (see photos)	of		Screened	1	{d87c4be9-54aa-49f6-9146-c4f1fd827591}	h	none	none	2020-05-14 14:53	0	2020-05-08 14:53	0.36
181	181	41.38281071	-71.84980273	181	2022-01-20 15:33	Could not locate OF. First upstream CB inundated. Next upstream CB dry but had grass clippings in it	cb	xy41.383355_-71.849971	Screened	1	{404fef9b-7739-44ec-9eac-078d9544cc2e}	d1	none	none	2020-05-14 18:26		2020-05-08 18:26	0.36
182	182	41.37922876	-71.83933125	182	2022-06-28 18:41	CULVERT INLET -Steven			Screened	1	{76116f64-469a-46a2-8ecc-2103ee010d02}				2020-05-14 15:27		2020-05-08 15:27	0.36
183	183	41.37916066	-71.83912236	183	2022-01-20 15:33		cb	xy41.380772_-71.838655	Screened	1	{8084e478-8185-416e-b23d-2957230dc4f9}				2021-11-25 4:10	1	2020-05-08 15:18	0.36
184	184	41.3787403	-71.83788829	184	2022-01-20 15:33		cb	xy41.378205_-71.838066	Screened	1	{e199f117-ee69-4f48-86f5-ae9688b21f39}	d1	none	none	2020-05-14 15:01	1	2020-05-08 15:01	0.36

_of_detail	_Detail_Shee	Lat	Long	of_detail_	last_edited_date	notes	screen_location	screen_loc_xy	dryscreen	lsIn2010UA	GlobalID_1	flow_desc	vis_idde	olf_idde	dryscreen_date	of_subm	lastraindate	lastrainamt
185	185	41.37643496	-71.83269982	185	2022-01-20 15:33	OF is set back under rocks (see photo) so can't determine physical characteristics; inspected first upstream CB - no flow, but lousy photos due to limited access and inability to remove CB grate due to traffic	cb	xy41.376679_-71.833437	Screened	1	{9c3706b2-9e3e-46d8-879c-f78035b76952}	d1	none	none	2020-03-12 20:13	1	2020-03-04 21:13	0.14
186	186	41.37915722	-71.8311157	186	2022-01-20 15:33	Could not locate OF (likely in river according to map) so inspected first upstream CB not flowing	cb	xy41.378553_-71.831404	Screened	1	{7befed8c-1305-4ba9-8b38-3b6ed910ed15}		none	none	2020-05-14 14:20	1	2020-05-08 14:20	0.36
187	187	41.38405064	-71.8414457	187	2023-01-10 19:14		cb	xy41.383941_-71.841079	Screened	1	{e0574a84-1fb2-4545-8a6a-f57a23933ad2}	d1	none	none	2020-06-03 17:32	1	2020-05-30 17:32	0.13
188	188	41.38440344	-71.83990768	188	2023-01-10 19:14		of		Screened	1	{72297259-c9f5-4d25-ace5-bfcc7eb0e268}	d1	none	none	2020-06-03 17:23	0	2020-05-30 17:24	0.13
189	189	41.38446374	-71.83988845	189	2023-01-10 19:14		of		Screened	1	{f953980f-33c5-4fd5-a10c-19c519fb63fb}	d1	none	none	2020-06-03 17:22	0	2020-05-30 17:22	0.13
190	190	41.38403412	-71.83701449	190	2022-01-20 15:33	Could not locate OF. Screened first upstream CB	cb	xy41.383486_-71.837355	Screened	1	{1516ab20-fd1b-4366-abaa-0db90573a213}	d1	none	none	2020-05-14 20:20		2020-05-08 20:20	0.36
191	191	41.38367108	-71.83580981	191	2022-05-25 18:37		of		Screened	1	{60dd14e1-d999-4beb-b40b-eda58d5a3ec8}	d1	none	none	2020-05-14 19:47	0	2020-05-08 19:47	0.36
192	192	41.38412783	-71.8417776	192	2023-01-10 19:13	All upstream structures were flowing. Furthest upstream structure is OF-176 (in-flow from adjacent pond)	of		Screened	1	{cc638c61-c6cb-472f-941c-9a9231f53e90}	m	none	none	2020-06-03 17:11	1	2020-05-30 17:11	0.13
193	193	41.37719465	-71.94166186	193	2022-01-20 15:34	-Steven	of		Screened	0	{b870efd9-4964-4fbf-908c-62111d2f1fee}	d1	none	none	2021-08-26 17:15	0	2021-08-22 4:00	0.71
194	194	41.37929247	-71.94359802	194	2022-06-20 14:50	Outlet to culvert with catch basins	of		Screened	1	{6ed9839c-de36-4ef1-b04b-bd808ee731a2}	m	none	none	2021-08-26 17:30	0	2021-08-22 12:52	0.71
195	195	41.37947771	-71.94359224	195	2022-08-04 21:30	This is an inlet for a culvert system under the road. See outfall 194 also. - Steven	of		Screened	0	{5ee5e3df-941e-46a3-98c1-ca671d8d2e0f}	m	none	none	2021-08-26 17:30	1	2021-08-22 12:54	0.71
196	196	41.3794727	-71.94322686	196	2022-01-20 15:34	Damp outfall, but filled with dirt. Needs cleaning	cb	xy41.379312_-71.942796	Screened	0	{7d129e5d-1a26-48a5-9c6f-8be8e4b83f45}	d2	none	none	2021-08-26 17:30	1	2021-08-22 4:00	0.71
211	211	41.38586691	-71.86795826	211	2022-01-20 15:34	Yard waste (leaves) dumped onto OF	of		Screened	1	{e430954c-25d7-496b-a5de-81c6545431d3}	d1	none	none	2020-04-29 17:53	0	2020-04-26 17:52	0.19
212	212			212	2022-01-20 15:34	Limbs in OF spillway	of		Screened	1	{c5e0a6dd-27d8-4b4c-9471-760fb83c4a98}	d1	none	none	2021-11-11 21:30	0	2021-10-31 20:30	0.45
213	213	41.38947345	-71.86325253	213	2022-01-20 15:34	Yard waste(leaves) dumped onto OF	of		Screened	1	{28531e76-af53-49fb-b5a1-d98dce406f52}	d1	none	none	2020-04-29 18:49	0	2020-04-26 18:49	0.19
214	214			214	2022-01-20 15:34	OF mapped on opposite side of road	of		Screened	1	{33f848cb-85ec-441a-b21e-60cff7bbb599}	d1	none	none	2021-11-11 21:20	0	2021-10-31 20:20	0.45
215	215	41.38971792	-71.86014733	215	2022-08-05 13:12		of		Screened	1	{9b08ef45-f58a-43df-859a-035fc0e84a56}	t	foam	none	2021-11-24 18:40	0	2020-04-26 18:30	0.19
216	216	41.38965331	-71.86046378	216	2022-08-04 21:30	Water flowing into OF from adjacent stream	of		Screened	1	{16cbfded-7095-481d-ae45-d4a2e0154f39}	t	none	none	2020-04-29 18:22	0	2020-04-26 18:22	0.19
221	221	41.38555437	-71.85660808	221	2022-01-20 15:34		of		Screened	1	{a2699078-0007-47aa-aefa-93d308243fc7}	d1	none	none	2020-05-14 16:38	0	2020-05-08 16:38	0.36
222	222	41.38547661	-71.8520484	222	2022-01-20 15:34		of		Screened	1	{8d4c9c92-aa58-4cfc-8216-6cbff3570325}	d1	none	none	2020-05-14 4:54	0	2020-05-08 16:54	0.36
223	223	41.38043855	-71.85665803	223	2022-08-05 13:15		of		Screened	1	{d227272e-da81-4265-9cb4-b651748bd443}	m	none	none	2020-05-14 16:02	0	2020-05-08 16:02	0.36
224	224	41.39075549	-71.96046819	224	2022-01-20 15:34		of		Screened	1	{d60943c4-cd5e-47bf-863e-b3819b3f0bd8}	d1	none	none	2019-09-06 17:31	0	2019-08-28 19:48	1.31
225	225	41.38607061	-71.95800069	225	2022-01-20 15:34		of		Screened	1	{c4e18eaf-fb43-457d-bf32-2c1d0d84c748}	d1	none	none	2019-09-20 13:43	0	2019-08-28 17:22	1.31
226	226	41.34040218	-71.94157908	226	2022-01-20 15:34		of		Screened	1	{0f999839-16d1-4b60-9f07-945cf8f20782}	d1	none	none	2019-06-05 12:27	0	2019-06-02 12:27	0.08
227	227	41.33964171	-71.94367136	227	2022-01-20 15:34		of		Screened	1	{52324a64-1e11-47ee-baeb-4fdae409826b}	d1	none	none	2019-05-07 15:52	0	2019-05-06 15:52	0.19
228	228	41.33990472	-71.94454935	228	2022-01-20 15:34	Outfall filled with sediment and roots	of		Screened	1	{dac96fc5-6fe0-466a-99bf-266c9afbac7c}	d1	none	none	2019-05-07 15:59	0	2019-05-06 15:59	0.19
229	229	41.33957518	-71.93204242	229	2022-01-20 15:34		of		Screened	1	{7b4fdc67-f867-4b28-8146-c0ae7d3e70b6}	d1	none	none	2019-05-07 16:11	0	2019-05-06 16:11	0.19
230	230			230	2022-05-25 18:37	Steven screened. Duckbill valve	cb	xy41.336265_-71.931238	Screened	1	{b4c41080-b829-4f5a-ad3b-607ce2079efb}	d1	none	none	2021-08-18 13:37	0	2021-08-09 13:37	0.3
231	231	41.33517343	-71.92957566	231	2022-01-20 15:34		of		Screened	1	{dde6dce3-7aee-4af2-a989-f714f5c12039}	d1	none	none	2019-06-06 0:59	0	2019-06-02 12:59	0.08
232	232	41.39149971	-71.86720055	232	2022-08-05 13:17	OF appears to drain wetland across street. 3 OFs in head wall	of		Screened	1	{d3d0e0f6-20c8-419e-90de-98cd8b093429}	m	none	none	2020-06-03 20:33	0	2020-05-30 20:33	0.13
234	234	41.341201	-71.92106225	234	2022-01-20 15:34	-Steven	of		Screened	0	{1b8e194d-a5ab-465a-9abc-2b996323c5b3}	d1	none	none	2021-08-26 13:45	0	2021-08-22 4:00	0.71
235	235	41.33332579	-71.92824646	235	2022-07-07 14:30	regular flow. screened at cb -Steven	cb	xy41.333544_-71.928483	Screened	1	{24ab391f-d75a-42cf-9449-66f4c9beff20}	m	none	none	2021-08-26 12:15	0	2021-08-22 17:28	0.71
236	236	41.33382776	-71.92744079	236	2022-01-20 15:34	Foam at upstream catch basin	of		Screened	0	{e1fbbc24-4738-4f23-b7a5-e32ea2a04e59}	d1	none	none	2019-06-05 13:36	0	2019-06-02 13:36	0.08
237	237	41.334418	-71.9274527	237	2022-08-04 21:31	Flow from wetland into outfall. THIS IS AN INLET -Steven	of		Screened	1	{fca0e7f1-f234-4822-9744-9cdb04129b67}	m	none	none	2022-05-26 13:17	1	2022-05-19 17:17	0.45
238	238	41.33467579	-71.9275356	238	2022-05-26 14:21	OF inundated. Screened upstream CB at intersection of Ashworth and Hopkins on NE side. OUTFALL ABANDONED ALL DRAINS TO 236	cb	41.335866°N 71.927866°W	Screened	1	{b3e503b0-78a9-412b-bd3e-685c4831a5b5}	d1	none	none	2022-05-26 14:05	1	2022-05-19 14:05	0.45
239	239	41.36205957	-71.95540524	239	2022-01-20 15:34	Outfall no longer exists here. New catch basins were installed on Whaler rd(new developement) that tie to existing catch basins. These run to a new Outfall at the end of the road. Picture and screening attached	of		Screened	1	{7a7854e4-58cf-4fec-b6f9-45989b62dc39}	d1	none	none	2021-08-18 17:30	0	2021-08-09 4:00	0.3
240	240	41.36315989	-71.95506918	240	2022-08-05 13:10	No evidence of illicit discharge other than water entering catch basin from property at NW corner of intersection of Cutter and Sloop	cb	41.362969°N 71.955775°W	Screened	1	{ff6641c8-3459-4832-b075-efe76ca6405c}	m	none	none	2019-06-10 17:37	1	2019-06-06 17:37	0.28
241	241	41.36265327	-71.96279292	241	2022-01-20 15:34	Screened by Steven. F&O Comment: Upstream structure pipes dry, changed flow desc. from damp to dry	of		Screened	1	{be4b4c5a-5066-452f-9aa2-fc08c97fbefd}	d1	none	none	2021-08-18 17:06	0	2021-08-09 16:55	0.3
242	242	41.37143308	-71.95473501	242	2022-01-20 15:34		of		Screened	1	{f59814a9-c14a-4429-9d27-9ec4fbf085aa}	d1	none	none	2019-06-10 21:52	0	2019-06-06 21:52	0.28
243	243	41.37064178	-71.95541907	243	2022-01-20 15:34	Actually two outfalls from same catch basin. Needs service -Steven 8/26/21	of		Screened	1	{c1cc7a63-39e7-48b5-9211-f1e16b0e8a4d}	d1	none	none	2021-08-26 18:30	0	2021-08-22 4:00	0.71
244	244	41.37087444	-71.95510427	244	2022-01-20 15:34	Water in upstream catch but not flowing	cb	41.370641°N 71.955049°W	Screened	1	{8868a51a-ba14-4bfb-b563-b4150a9fd7ed}	d1	none	none	2019-06-10 21:59	1	2019-06-06 21:59	0.28
245	245	41.38129995	-71.96087389	245	2022-01-20 15:34		of		Screened	1	{8de1375b-993e-4dea-83b4-58a846ab7151}	d1	none	none	2019-09-06 16:58	0	2019-08-28 16:58	1.31
253	253	41.36059281	-71.87646191	253	2022-08-05 13:11				Screened	1	{e9783442-b539-490f-9b92-8a24b1b4e67d}	h	none	none	2019-02-27 18:18	0	2019-02-24 18:18	0.81
254	254	41.35994143	-71.88178611	254	2022-01-20 15:34	Second picture shows other pipe from OF 49 across street also			Screened	0	{e1274f87-f92d-415c-8b0c-253d09256459}	d1	none	none	2019-02-27 17:55	0	2019-02-24 17:55	0.81
255	255	41.35868039	-71.87976418	255	2022-01-20 15:34	heavy sediment buildup			Screened	1	{850fbad3-3b94-4226-a95f-a1decbb11d27}	d1	none	none	2019-02-27 5:15	0	2019-02-24 17:15	0.81
256	256	41.36412561	-71.87251632	256	2022-01-20 15:34	Sediment			Screened	0	{ad420cc6-d324-4e87-9f66-89cb454a42c4}	d1	none	none	2019-02-27 19:01	0	2019-02-24 19:01	0.81
257	257	41.36131555	-71.86640964	257	2022-07-07 14:54		of		Screened	1	{9eb407e4-c744-461c-84a5-0edfb2bc095a}	h	none	none	2020-03-12 14:18	0	2020-03-04 15:18	0.14
258	258	41.36664653	-71.85749643	258	2022-01-20 15:34	Inspected 5th upstream CB. CB grates frozen in place	cb	41.366935°N 71.859269°W	Screened	1	{a33e489d-9d28-42ba-9c44-93bcf16fdcc7}	d1	none	none	2020-03-12 13:50	1	2020-03-04 14:50	0.14
259	259	41.36821021	-71.83623834	259	2022-08-05 13:15	OF pipe broken ~4 ft from end of pipe	of		Screened	1	{022f67ef-1e01-4894-9374-9c8bd601b740}	m	none	none	2020-03-12 19:18	0	2020-03-04 20:18	0.14
260	260	41.36829715	-71.83638472	260	2022-01-20 15:34	OF is inlet to underground drainage structure which appears to connect to OF 259	of		Screened	1	{cabe344a-3ce2-4d07-a6eb-1cc556b9f150}	d1	none	none	2020-03-12 19:24	0	2020-03-04 20:24	0.14
261	261	41.36574554	-71.83860364	261	2022-01-20 15:34		of		Screened	1	{0225c53d-1df8-481f-9db3-093bc8ee5d02}	d1	none	none	2020-03-12 18:54	0	2020-03-04 19:54	0.14
262	262	41.36440719	-71.83858	262	2022-08-01 17:01	OF drains stream from west side of road	of		Screened	1	{a2dba233-b8b0-49e5-9ec9-8c4dee0f5cd6}	h	none	none	2020-03-12 18:24	0	2020-03-04 19:24	0.14
263	263	41.36345338	-71.83849525	263	2022-01-20 15:34		of		Screened	1	{e7e8f105-61cd-48f5-86a1-a44cb065c3ac}	d1	none	none	2020-03-12 18:15	0	2020-03-04 19:15	0.14
264	264	41.36312263	-71.83882496	264	2022-08-05 13:14		of		Screened	1	{d9ecf422-c5c5-42de-a573-c29f83c3f0ab}	m	none	none	2020-03-12 18:11	0	2020-03-04 19:11	0.14
265	265	41.35880459	-71.839986	265	2022-01-20 15:34		of		Screened	1	{cabb7aa3-a59a-4435-93f0-29151dd678a8}	d1	none	none	2020-03-12 17:49	0	2020-03-04 18:49	0.14
266	266	41.36869659	-71.83977544	266	2022-01-20 15:34	OF half buried by sediment	of		Screened	1	{9599f12d-7fa9-4511-9431-c9d448bf623e}	d1	none	none	2020-04-29 14:26	0	2020-04-26 14:26	0.19
267	267	41.36793752	-71.84304331	267	2022-08-05 13:15	OF behind house, not adjacent to CB	of		Screened	1	{69f43e6f-b267-40de-a9a1-92d1a1314a9d}	t	none	none	2020-04-29 14:37	0	2020-04-26 14:35	0.19
268	268			268	2022-01-20 15:34		of		Screened	1	{de7064bd-f404-47fb-a06e-76b930bcfede}	d1	none	none	2021-11-11 15:48	0	2021-10-31 14:48	0.45
269	269	41.36798257	-71.84593011	269	2022-01-20 15:34		of		Screened	1	{9564865c-73b1-4480-b05a-108ec8173bea}	d1	none	none	2020-04-29 14:11	0	2020-04-26 14:11	0.19
270	270			270	2022-01-20 15:34	OF inundated. Screened furthest upstream CB	cb	xy41.375097_-71.844315	Screened	1	{1e019732-7301-408e-aca9-c6f75b7a96a0}	d1	none	none	2021-11-11 16:20	1	2021-10-31 18:01	0.45
271	271			271	2022-01-20 15:34	OF inundated. Screened first upstream CB. Map shows CB as MH	cb	xy41.369375_-71.837442	Screened	1	{cd4cc93d-f949-4dfd-830d-6cd1f8ba6282}	d1	none	none	2021-11-11 15:37	1	2021-10-31 14:37	0.45
272	272	41.37419169	-71.84888097	272	2022-08-04 21:28	Water flows into OF from adjacent wetland	of		Screened	1	{0be8e57b-18ce-44d9-abee-97963bd3a739}	m	none	none	2020-04-28 15:02	1	2020-04-26 15:03	0.19

__of_detail	_Detail_Shee	Lat	Long	of_detail_	last_edited_date	notes	screen_location	screen_loc_xy	dryscreen	lsIn2010UA	GlobalID_1	flow_desc	vis_idde	olf_idde	dryscreen_date	of_subm	lastraindate	lastrainamt
273	273	41.37398876	-71.84949069	273	2022-08-04 21:28	Water flows into OF from adjacent wetland. Litter present. Flow appears to be from OF-272. See those notes. Screened again on 6/6/22. OF appears to drain a wetland area on N side of road.	of		Screened	1	{3a2bb705-dc98-4caa-8ddf-5dddc2d478fe}	m	float	none	2020-04-29 15:25	1	2020-04-26 15:25	0.19
274	274	41.37395214	-71.84888397	274	2022-08-04 21:28	See photos. OUTFALL OWNED BY STATE - STEVEN	of		Screened	1	{b2fbf562-826a-4549-8253-371e30ce6dca}	m	none	none	2020-04-29 15:13	1	2020-04-26 15:13	0.19
275	275	41.3564443	-71.84079681	275	2022-01-20 15:34		of		Screened	1	{40b33202-90f7-4c4d-bfe9-17d03ffa9b7b}	d1	none	none	2020-03-12 15:15	0	2020-03-04 16:15	0.14
276	276	41.35650571	-71.84160894	276	2022-08-05 13:14		of		Screened	1	{5f8d4759-5b6b-4787-91a1-a6b67d0b830d}	m	none	none	2020-03-12 15:30	0	2020-03-12 15:30	0.14
277	277	41.35674735	-71.84463785	277	2022-01-20 15:34	Inspected first upstream CB. Couldn't remove CB grate	cb	xy41.356322_-71.844584	Screened	1	{d42f98fa-6da4-4296-8f45-6ddcec5311d6}	d1	none	none	2020-03-12 15:39	1	2020-03-04 16:39	0.14
278	278	41.3566476	-71.84564238	278	2022-08-05 13:13		of		Screened	1	{30fb06ff-7bf7-4e24-a9f4-2d9e7b9a72e8}	m	none	none	2020-03-12 15:56	0	2020-03-04 16:56	0.14
279	279	41.35157486	-71.83756917	279	2022-08-05 13:13		of		Screened	1	{c5f3c01f-82b7-4f56-a03b-ca0a56547d1c}	m	none	none	2020-01-10 18:19	0	2020-01-07 18:19	0.1
280	280	41.35215102	-71.83780279	280	2022-07-13 18:07		of		Screened	1	{5d0a9b31-ce3b-41f5-81b4-487716dde85b}	m	none	none	2020-01-10 18:26	0	2020-01-07 18:26	0.1
281	281	41.352139	-71.83778381	281	2022-07-13 18:07		of		Screened	1	{bec739b7-d2c0-406d-b4b8-faf4bd16d871}	m	none	none	2020-01-10 18:22	0	2020-01-07 18:22	0.1
282	282	41.34978743	-71.84167434	282	2022-08-04 21:31	In flow point. CB downstream in photo	of		Screened	1	{d4bdef49-c703-4d3e-99e1-6a52df58128e}	t	none	none	2020-01-10 18:35	0	2020-01-07 18:35	0.1
283	283	41.34841284	-71.84374451	283	2022-01-20 15:34	In flow point	of		Screened	1	{bf31fe77-f64c-4d97-a3d4-5f371392aa23}	d1	none	none	2020-01-10 18:39	0	2020-01-07 18:39	0.1
284	284			284	2022-01-20 15:34	3 OF pipes: E wall has 15" diameter corrugated metal pipe; S wall has 2 pipes - 14" corrugated & 4" plastic	of		Screened	1	{fda243b8-2fd2-4717-a821-066b8ce4f1f4}	d1	none	none	2021-11-04 18:15	0	2021-10-31 18:15	0.45
285	285	41.34222927	-71.84066124	285	2022-08-04 21:31		of		Screened	1	{c4038cee-6008-4b5b-9692-66756fc05f01}	t	none	none	2020-01-10 17:39	0	2020-01-07 17:39	0.1
286	286	41.34272794	-71.83473334	286	2022-08-05 13:13	Flowing	of		Screened	1	{ed9eee44-aeef-455a-98fb-741469222787}	m	none	none	2020-01-10 18:02	0	2020-01-07 18:02	0.1
287	287	41.39873698	-71.84794321	287	2022-01-20 15:34	Yard waste above OF. Litter in area	of		Screened	1	{282f7458-d182-4faf-9c42-d461bdb4edd5}	d1	none	none	2020-06-03 19:40	0	2020-05-30 19:40	0.13
290	290	41.4081262	-71.9376848	290	2022-01-20 15:34	Upstream CB has no indication of nearby OF. See photo.	of		Screened	1	{ce3c1777-3620-41b3-b10d-d0a73ea1a2e2}	d1	none	none	2019-09-06 18:09	0	2019-08-28 18:09	1.31
292	292	41.39835012	-71.84371305	292	2022-06-06 17:28	ABANDONED PER STEVEN	cb	xy41.398319_-71.843671	Screened	1	{b69444f4-2b03-47a8-9f2f-de816400b3c7}	d1	none	none	2022-06-06 16:44		2022-06-01 16:44	0.45
293	293	41.39785645	-71.84317093	293	2022-01-20 15:34	Litter at OF	of		Screened	1	{e7b42798-367b-4c84-93c4-17af50e70e42}	d1	none	none	2020-06-03 18:37	0	2020-05-30 18:37	0.13
294	294	41.39809061	-71.8435985	294	2022-01-20 15:34		of		Screened	1	{318bfd78-c57a-41ca-8b9d-5306381cab9d}	d1	none	none	2020-06-03 18:42	0	2020-05-30 18:42	0.13
295	295	41.3927431	-71.96046137	295	2022-01-20 15:34		of		Screened	1	{5bcfba67-b312-4715-b124-b46fb69cd3f5}	d1	none	none	2019-09-06 17:43	0	2019-08-28 19:50	1.31
298	298	41.40924637	-71.93476899	298	2022-01-20 15:34		of		Screened	1	{5ea09b2d-c064-41ac-989a-b21441edabae}	d1	none	none	2019-09-06 18:01	0	2019-08-28 18:02	1.31
301	301	41.40287491	-71.84718075	301	2022-01-20 15:34		cb	xy41.402504_-71.8483	Screened	1	{94f93c9e-6d6e-46e6-9dbf-1de791c542ce}	d1	none	none	2020-06-03 19:08	1	2020-05-30 19:08	0.13
302	302	41.39827704	-71.84410259	302	2022-01-20 15:34		of		Screened	1	{fb1f1c57-d305-48d5-ba4a-d2a6b18697e9}	d1	none	none	2020-06-03 18:45	0	2020-05-30 18:45	0.13
303	303	41.40416117	-71.85150975	303	2022-01-20 15:34		of		Screened	1	{ac6eae9e-6d06-4582-8461-8ea2a120062f}	d1	none	none	2020-06-03 19:24	0	2020-05-30 19:24	0.13
304	304	41.39735492	-71.85103322	304	2022-08-05 13:16	3 pipes in head wall	of		Screened	1	{7817365f-9f8b-4105-90de-c3e91a380f9f}	m	foam	none	2020-06-03 19:48	0	2020-05-30 19:48	0.13
169	169	41.35594986	-71.86639443		2022-08-03 19:30				Screened	0	{24db7a19-51a4-44ca-8ed7-12dd6681c784}							
170	170	41.35285467	-71.86405019		2022-01-20 15:34				Unscreened	0	{36cc1b3f-7a43-4546-8990-d9f8cd08dc3d}							
197	197	41.38371061	-71.94047408		2022-01-20 15:34				Unscreened	0	{8058738d-a381-4fca-9270-ab066b79fc16}							
198	198	41.38377074	-71.93990733		2022-01-20 15:34				Unscreened	0	{3bc1d063-2a28-45de-98d1-f46bda771ef4}							
199	199	41.38470198	-71.93754851		2022-01-20 15:34				Unscreened	0	{51ead975-cbb0-4efa-8ef5-e8c355c89e6f}							
200	200	41.3845901	-71.93749021		2022-01-20 15:34				Unscreened	0	{8f81a733-2e31-4988-b4b5-0bb9cd5fbc67}							
201	201	41.3755829	-71.9175579		2022-01-20 15:34				Unscreened	0	{6198ae96-b244-4c5f-80cd-ac4bb2794fd1}							
202	202	41.38195857	-71.90003827		2022-01-20 15:34				Unscreened	0	{a9d6f71c-da50-40b7-b042-fa64c8fb3962}							
203	203	41.38440699	-71.90239227		2022-01-20 15:34				Unscreened	0	{a74efe70-3085-4905-8e32-5a39d56b47ad}							
204	204	41.38864953	-71.8999784		2022-01-20 15:34				Unscreened	0	{f36800e9-bdd8-4c48-8db1-a41cbdd8513b}							
205	205	41.38864271	-71.90754567		2022-01-20 15:34				Unscreened	0	{f0bd8edb-3a2d-42dd-bf66-a3632717f032}							
206	206	41.37630229	-71.91554649		2022-01-20 15:34				Unscreened	0	{68fb0482-c401-49d2-91bc-425035b1e560}							
207	207	41.38228302	-71.87299289		2022-01-20 15:34				Unscreened	0	{d03c5718-ce87-4b68-99f2-94330b0f97fa}							
208	208	41.38236457	-71.87282637		2022-01-20 15:34				Unscreened	0	{65f97af9-952d-490a-9cb2-dcac52c5f9b0}							
209	209	41.37974383	-71.87238221		2022-01-20 15:34				Unscreened	0	{d15a2c33-4d46-4728-962d-51571e586fb8}							
210	210	41.37967492	-71.87227313		2022-01-20 15:34				Unscreened	0	{fa9013da-e241-491b-8811-e72972de3155}							
217	217	41.38671609	-71.86103808		2022-01-20 15:34				Unscreened	0	{93b6c7f8-d345-4a8c-b880-17889a71751d}							
218	218	41.38434971	-71.86451223		2022-01-20 15:34				Unscreened	0	{ca8763ab-520c-4d36-9cba-3c183e96046b}							
219	219	41.38504972	-71.86413257		2022-01-20 15:34				Unscreened	0	{16dbc697-2358-48bc-9f40-cc04fa770c15}							
220	220	41.38356503	-71.85961782		2022-01-20 15:34				Unscreened	0	{89042370-27ca-4c1f-b7a9-71663a9ddb33}							
233	233	41.39150943	-71.8672968		2022-01-20 15:34				Unscreened	1	{35c613cb-8ef8-4720-b308-4e3b71288b41}							
246	246	41.35935821	-71.90353492		2022-01-20 15:34				Unscreened	0	{0f772277-5b19-4035-bfd5-e993e286d88c}							
247	247	41.36805837	-71.88673368		2022-01-20 15:34				Unscreened	0	{235425a6-0b03-4422-adc9-22b5395ee4ab}							
248	248	41.36804453	-71.88684219		2022-01-20 15:34				Unscreened	0	{bd098dd4-ffc9-4074-9331-aef3ff5ef572}							
249	249	41.3731919	-71.89796395		2022-08-19 12:48	TOS Screened	of		Screened	0	{1702d10b-a8df-4313-82e7-05d55bd4bd10}	d2	none	none	2022-08-19 12:46	0	2022-08-17 12:46	0.6
250	250	41.37308316	-71.91586422		2022-01-20 15:34				Unscreened	0	{c18b8a99-c749-4e14-b87c-03aa28a56c21}							
251	251	41.37302368	-71.91568886		2022-01-20 15:34				Unscreened	0	{8cc66017-5941-4618-833e-2c66b1dc5ba9}							
252	252	41.36036347	-71.91669061		2022-01-20 15:35				Unscreened	0	{a720235d-2e91-4000-ae5d-08df74c0a7e8}							
288	288	41.39721446	-71.86869464		2022-01-20 15:35				Unscreened	0	{6a485c87-f1f9-429e-b8ac-8e93833e90b0}							
289	289	41.41539332	-71.88145046		2022-01-20 15:35				Unscreened	0	{a8be7b49-ac65-4481-991e-4855885b4467}							
291	291	41.41579186	-71.94976402		2022-01-20 15:35				Unscreened	0	{af65a88b-0b2e-4548-948d-9122f81d3718}							
296	296	41.39866949	-71.95376895		2022-01-20 15:35				Unscreened	0	{144e50f3-ab98-4c47-ad91-4725a19ef210}							
297	297	41.40064865	-71.95470716		2022-01-20 15:35				Unscreened	0	{dd4a92cb-c1cb-443a-82de-cf2c6295ce7b}							
299	299	41.40627076	-71.92084131		2022-01-20 15:35				Unscreened	0	{6fdb7b3c-bf80-4cdf-9fce-88f926d4287e}							
300	300	41.4041857	-71.89490191		2022-08-19 14:04	TOS screen	of		Screened	0	{52bd84f5-1eff-45e9-8ab2-6d57999e16fa}	d1	none	none	2022-08-19 14:01	0	2022-08-17 14:01	0.6
305	305	41.39694371	-71.85347274	305	2023-01-10 19:12	3 pipes in head wall	of		Screened	1	{92119fe4-b2ce-40cb-a41a-c6572af52310}	m	none	none	2020-06-03 19:55		2020-05-30 19:55	0.13
306	306	41.39646301	-71.85539686	306	2023-01-10 19:12	2 pipes in head wall	of		Screened	1	{a982d608-5be7-444c-8bec-d4f2f814bd3d}	m	none	none	2020-06-03 20:01	0	2020-05-30 20:01	0.13
313	313	41.35887225	-71.94422541	313	2022-01-20 15:35	This is the same as outfall 313	of		Screened	1	{584162e9-3985-455e-bd15-92684bb0e524}	d1	none	none	2021-08-18 15:30	0	2021-08-09 4:00	0.3
314	314	41.37770996	-71.83172431	314	2022-08-12 15:11	inspected first upstream CB - no flow, but lousy photos due to limited access and inability to remove CB grate due to traffic	cb	xy41.377786_-71.831733	Screened	1	{e65bf733-1689-4b3d-ba12-90bc8e8c6fc0}	d1	none	none	2020-03-12 20:29	1	2020-03-04 21:29	0.14
315	315			315	2022-01-20 15:35	Screened first upstream CB. CB grate frozen in place. CB has 2 outflow pipes	cb	xy41.373901_-71.849258	Screened	1	{fcdceb57-1dbd-4275-b323-6e758bdc5d96}	d1	none	petro	2021-11-11 19:17	1	2021-10-11 18:17	0.45
316	316			316	2022-01-20 15:35	OF not found. Screened first upstream CB	cb	xy41.369517_-71.835142	Screened	1	{1af01e53-dc2c-47cc-9a25-4e8119aeac41}	d2	none	none	2021-11-11 15:00	1	2021-10-31 14:02	0.45
317	317	41.38576007	-71.84559666	317	2022-01-20 15:35	Could not locate OF. Lots of leaves and yard waste in area. Screened 1st upstream CB	cb	xy41.386128_-71.845629	Screened	1	{de5d680f-c6b8-41c2-ab27-11147292f7f2}	d1	none	none	2020-06-03 17:52		2020-05-30 17:52	0.13
318	318	41.38255422	-71.85032343	318	2022-06-06 17:26	Pipe to OF from CB sealed/walled off. See photos ABANDONED PER STEVEN	cb	xy41.382515_-71.85063	Screened	1	{838a30e8-756c-4251-85f9-fb6da6231797}	d1	none	none	2022-06-06 16:20		2022-06-01 16:20	0.45
319	319	41.3432343	-71.90468548	319	2022-01-20 15:35	Full of sediment (see picture)			Screened	0	{bc4eb7b2-c452-486f-9bfe-d092d29f9765}	d1	none	none	2019-02-14 19:00	0	2019-02-12 19:01	0.6
320	320	41.39205321	-71.86688334	320	2022-01-20 15:35		of		Screened	1	{6ba59db8-1891-44cc-8f5b-9220574120af}	d1	none	none	2021-11-24 18:30	0	2020-05-30 20:37	0.13
322	322	41.35668897	-71.86668047	322	2022-01-20 15:35	10"			Screened	1	{26e13934-2d2c-4e43-8e3d-348bf8441381}	d1	none	none	2019-02-27 18:53	0	2019-02-24 18:53	0.81

_of_detail	Detail_Shee	Lat	Long	of_detail_	last_edited_date	notes	screen_location	screen_loc_xy	dryscreen	lsIn2010UA	GlobalID_1	flow_desc	vis_idde	olf_idde	dryscreen_date	of_subm	lastraindate	lastrainamt
327	327	41.41382937	-71.93716465	327	2022-01-20 15:35		of		Screened	1	{1ffd9f9b-1ce7-41ee-8bfb-97cbdde727d1}	d1	none	none	2019-09-20 14:13	0	2019-08-28 14:13	1.31
328	328	41.36547095	-71.96275464	328	2022-08-04 21:29	Dry, garbage and sediment	of	41.365468°N 71.962574°W	Screened	1	{350d52ae-2776-4def-b539-bdd1e4d43afc}	t	none	none	2019-06-10 18:04	0	2019-06-06 18:06	0.28
329	329	41.3631763	-71.9629367	329	2022-08-04 21:29	Water flows into outfall from pond. All downstream catch basins contain flowing water. Discharges to outfall 349. Outfall consists of 2 pipes each approximately 48 inches in diameter			Screened	1	{648351a5-d257-4ad4-b3ac-a8fc64d6bb36}	m	none	none	2019-06-10 16:32	1	2019-06-06 16:32	0.28
330	330	41.36259316	-71.94809271	330	2022-01-20 15:35		of		Screened	1	{5032349c-9c09-4c9d-8a87-f0730fd4bb5f}	d1	none	none	2019-06-10 19:59	0	2019-06-06 19:59	0.28
331	331	41.33471726	-71.9294744	331	2022-01-20 15:35		cb	41.334512°N 71.929225°W	Screened	1	{18dd3190-8656-437a-8549-5139fd19f0db}	d1	none	none	2019-06-05 13:06	1	2019-06-02 13:06	0.08
332	332	41.34059772	-71.93976841	332	2022-01-20 15:35	Outfall influenced by tide and usually inundated. Drains wetland from across street. Inspected first upstream CB. No flow. CB grate frozen in place		41.34064°N 71.940074°W	Screened	1	{0d118cb6-d3d8-4ccb-a4c1-0ad5541e2002}	d1	none	none	2019-09-06 13:49	1	2019-08-28 12:17	1.31
336	336	41.37952034	-71.94392868	336	2022-01-20 15:35	screened by Steven	of		Screened	0	{b871e991-1ad7-47e1-8b68-5f2005bef4db}	d1	none	none	2021-08-26 17:30	0	2021-08-22 12:50	0.71
337	337	41.37987707	-71.95553442	337	2022-01-20 15:35	half buried	of		Screened	1	{7df93940-ab03-484f-8dbd-32c993508554}	d1	none	none	2021-08-26 20:51	0	2021-08-22 20:51	0.71
338	338	41.37964659	-71.95594842	338	2022-01-20 15:35		of		Screened	1	{33fcddeb-4434-4acf-ad54-ac4f6aef4000}	d1	none	none	2019-09-06 16:16	0	2019-08-28 16:16	1.31
339	339	41.35229341	-71.95562673	339	2022-01-20 15:35		of		Screened	1	{e7e5a910-9d9f-4919-9f64-d4c4b81e0cf0}	d1	none	none	2019-06-05 19:17	0	2019-06-02 19:17	0.08
340	340	41.36404506	-71.96364111	340	2022-08-04 21:29	Water flows from outfall 329 from pond. All upstream catch basins contain flowing water.			Screened	1	{6f2712a5-d088-41ed-bdd8-09692a118646}	m	none	none	2019-06-10 16:20	1	2019-06-06 16:38	0.28
341	341	41.34751973	-71.92189374	341	2022-01-20 15:35		of		Screened	1	{3c91897a-0aa7-40c9-91aa-9ffade64ee3c}	d1	none	none	2019-05-07 13:58	0	2019-05-06 13:58	0.19
342	342			342	2022-01-20 15:35	Couldn't find OF. Screened furthest upstream CB. CB grate frozen	cb	xy41.378976_-71.848128	Screened	1	{a37e4784-4e74-4239-bb0b-9f8a6d1db1a0}	d1	none	none	2021-11-11 20:39		2021-10-11 19:39	0.45
112	112			112	2022-01-20 15:35		of		Screened	1	{cbfe3a1c-b6bc-4c06-b9e6-fd83807d4f53}	d1	none	none	2020-09-22 16:48	0	2020-09-11 13:45	0.37
B75	B75	41.33680391	-71.90046972	B75	2022-01-20 15:35	22" still water	cb	xy41.33775_-71.899705	Screened	1	{c919e811-de7b-4126-ae96-ea880e7a8863}		none	none	2019-02-27 16:32	1	2019-02-24 16:41	0.81
B78	B78	41.33651314	-71.89845235	B78	2022-01-20 15:35				Screened	1	{1d2ea0c3-3c00-4443-899c-2f3513814208}	d1	none	none	2019-02-14 15:55	0	2019-02-12 15:55	0.6
B82	B82	41.33761061	-71.8965113	B82	2022-01-20 15:35				Screened	1	{1b96f31c-6d61-47ab-a921-d4920fb48be5}	d1	none	none	2019-02-14 16:09	0	2019-02-12 16:09	0.6
B68	B68			B68	2022-01-20 15:35	Screened furthest upstream CB at corner of Elm and Hyde (not on	cb	xy41.336419_-71.904091	Screened	1	{0e18397c-86cf-4f75-8a6a-5a788a5f0d96}	d1	none	none	2021-07-14 17:23	1	2021-07-09 12:13	2.1
B88	B88			B88	2022-01-20 15:35	OF not found. Screened first upstream CB	cb	xy41.338808_-71.895056	Screened	1	{09cceea6-e534-43f9-81f6-48707bc35088}	d1	none	none	2021-07-14 15:55	1	2021-07-09 13:59	2.1
B14	B14	41.33674886	-71.90922198	B14	2022-01-20 15:35		cb	xy41.336757_-71.908796	Screened	1	{663ef9c8-7129-42e4-894b-7f8b16aabdc9}	d1	none	none	2019-02-27 16:30	1	2019-02-24 16:33	0.81
B29	B29	41.33409863	-71.90840331	B29	2022-01-20 15:35		cb	xy41.334182_-71.907987	Screened	1	{e396cbce-f83a-45d9-81dd-28582321ab18}	d1	none	none	2018-09-05 19:00	1	2018-08-19 15:37	0.18
B36	B36	41.33289649	-71.90748312	B36	2022-01-20 15:35	Tidal influence	cb	xy41.333045_-71.905824	Screened	1	{bfc63f47-1b74-4ca6-837e-13bcf3423b57}	m	none	none	2019-02-27 16:46	1	2019-02-24 16:40	0.81
B39	B39	41.33155389	-71.9076426	B39	2022-01-20 15:35	2 HDPE outlets with tidal valves and third smaller HDPE	cb	xy41.331021_-71.906431	Screened	0	{480f4e58-b028-4267-8941-c39d250c1304}	d1	none	none	2018-09-05 18:30	1	2018-08-19 15:42	0.18
B369	B369	41.33185036	-71.90471725	B369	2022-01-20 15:35	Two out falls			Screened	0	{df0d1023-a8e3-4329-be10-bc28e454041d}	d1	none	none	2018-09-05 17:15	0	2018-08-19 16:01	0.18
B42	B42			B42	2022-01-20 15:35	Couldn't locate OF. Screened first upstream CB	cb	xy41.330476_-71.906364	Screened	0	{7327fe3c-a423-4481-b5dc-0cb2ba9d55ff}	d1	none	none	2021-07-14 17:43	1	2021-07-09 13:31	2.1
B50	B50	41.33059826	-71.90466668	B50	2022-01-20 15:35	Sediment accumulation	of		Screened	1	{95a2e773-dbee-425c-a825-1da76e8a731d}	d1	none	none	2018-09-05 18:30	0	2018-08-19 15:16	
B52	B52	41.32999238	-71.90418991	B52	2022-01-20 15:35	Check if abandoned during wet weather			Screened	0	{9e00ebcc-906d-497c-a2c0-eca899864f51}				2018-09-05 18:15		2018-08-19 15:50	0.18
B54	B54	41.32906046	-71.90430869	B54	2022-05-25 19:08	9.75" diameter. Two mystery out falls labeled Omega St in	cb	xy41.329189_-71.90463	Screened	1	{1668c1d0-1768-4c7d-918c-f1e5d668cf7b}	d1	none	none	2019-02-27 16:23	0	2019-02-24 16:23	0.81
B57	B57	41.32778688	-71.9063068	B57	2022-01-20 15:35	Sediment accumulation			Screened	0	{7eb49a14-4e70-411f-925a-bfae539f86b9}	d1	none	none	2019-02-27 16:19	0	2019-02-24 16:59	0.81
B7	B7			B7	2022-01-20 15:35	Couldn't find OF, likely in/under water	cb	xy41.337826_-71.908019	Screened	0	{eb16fb90-eb81-4c55-8e96-a4798557e526}		none	none	2021-07-14 13:38	1	2021-07-09 13:38	2.1
B71	B71			B71	2022-01-20 15:35	Soil and leaves in OF pipe	of		Screened	1	{53cb698c-c862-432d-aa54-5c5c2254eafd}	d1	none	none	2021-11-04 17:17	0	2021-10-31 17:17	0.45
307	307	41.4004715	-71.86956539		2022-01-20 15:35				Unscreened	0	{5fea4cdd-7085-4339-b37e-f1e495950cff}							
308	308	41.40361271	-71.87067035		2022-01-20 15:35				Unscreened	0	{02969e8c-0bd3-4b7a-aca1-45ccce05ae1a}							
309	309	41.41323147	-71.88026141		2022-08-19 13:48	TOS Screened	of		Screened	0	{b11b63b6-6138-400f-b318-d7be16feac9f}	d1	none	none	2022-08-19 13:47	0	2022-08-17 13:47	0.6
310	310	41.41787733	-71.88391019		2022-01-20 15:35				Unscreened	0	{567500c6-1231-4ed8-aed9-6b337a6e5dff}							
311	311	41.41437886	-71.89765319		2022-01-20 15:35				Unscreened	0	{b5023472-a984-4e3c-8066-91be44096226}							
312	312	41.41525917	-71.94951378		2022-01-20 15:35				Unscreened	0	{fb3c13a0-1f23-4e11-b518-86804e8c280b}							
321	321	41.39701413	-71.92307614		2022-01-20 15:35				Unscreened	0	{8c564582-7dd8-4b11-9d0b-1d673c9bdbfa}							
323	323	41.39374963	-71.86694018		2022-01-20 15:35				Unscreened	0	{d72d8b50-9cb2-489c-aeec-141800fe2292}							
325	325	41.39998487	-71.89801594		2022-08-16 12:35				Unscreened	0	{7c9a2542-e289-4821-9e97-f6652c8f736c}							
326	326	41.40005604	-71.89811141		2022-08-19 14:36	TOS screen	of		Screened	0	{e7956cd7-8464-46a3-ac2e-8691791aa53c}	d1	none	none	2022-08-19 14:15	0	2022-08-17 14:35	0.6
333	333	41.36043815	-71.9269772		2022-01-20 15:35				Unscreened	0	{71201aa5-83e2-4c01-b573-325b3d5f7c6e}							
334	334	41.37587718	-71.91893149		2022-01-20 15:35				Unscreened	0	{1e5b8a91-2474-463b-8d28-c43ed34c4fe1}							
335	335	41.37586858	-71.9190364		2022-01-20 15:35				Unscreened	0	{024a2ce9-c30f-4a57-9f56-e8a75c3bf8c9}							
Example ID	Example ID				2022-01-20 15:35				Unscreened	1	{6151638b-fa5d-4ec1-a18b-e0a0532dbee4}							
Example ID	Example ID				2022-01-20 15:35				Unscreened	1	{ada00ec6-67e5-4950-8aa5-1e9859a538f8}							
					2022-01-20 15:35	Did not exist in previous GIS. Steven Added point on 8/19/21. Need	of		Screened	1	{51b36ef1-d4c6-4575-b2ef-4b98753f53fe}	d1	none	none	2021-08-18 11:30	0	2021-08-09 4:00	0.3
IC-1083	IC-1083				2022-08-19 14:40	TOS screen	cb	xy41.394937_-71.845516	Screened	1	{62fa9954-ed2e-4ba9-9700-d7203d6ea098}	d1	none	none	2022-08-19 14:39	0	2022-08-17 14:39	0.6
IC-1084	IC-1084				2022-08-03 20:09	Private Interconnection			Screened	1	{a0344f3a-ca88-45e8-a8e9-7dc6f6a7fa9b}							
	IC-1085				2022-08-19 15:18				Screened	1	{781455fd-c893-46ce-8c4d-7736d3ecb7fb}							
IC-1087	IC-1087				2022-08-19 15:46	TOS screen	cb	xy41.377095_-71.833353	Screened	1	{5a338f86-2df7-4706-aab1-db3fedb56e03}	d2	float	none	2022-08-19 15:45	0	2022-08-17 15:44	0.6
IC-1088	IC-1088				2022-08-19 16:13	TOS Screen	cb	xy41.376911_-71.834875	Screened	1	{689d12b1-af17-4e35-a966-eb68151a56cc}	d1	none	none	2022-08-20 3:50	0	2022-08-17 16:13	0.6
IC-1089	IC-1089				2022-08-19 16:12	TOS screen	cb	xy41.376868_-71.834968	Screened	1	{4491fb7a-9e2f-4692-b6f3-c37fc2dfb9d9}	d1	none	none	2022-08-20 3:45	0	2022-08-17 16:11	0.6
IC-1090	IC-1090				2022-08-19 16:16	TOS screen	cb	xy41.378_-71.848425	Screened	1	{1fb6d811-4bd6-4168-8c0f-2613842f0fc9}	d1	none	none	2022-08-19 16:14	0	2022-08-17 16:14	0.6
IC-1094	IC-1094				2022-08-04 20:20					1	{20fc7ffd-f9dd-4f84-9993-42c87062ea73}							
IC-1097	IC-1097				2022-09-01 16:56	TOS Screen. ALL State property			Screened	1	{f2570277-7fc5-436b-bda8-1c9c4fb3bca5}							
IC-1115	IC-1115				2022-08-19 11:31	old catch basin	cb	xy41.349243_-71.913078	Screened	1	{345fb672-33b5-4b50-8b47-60007a8df96a}	d1	none	none	2022-08-17 11:29	0	2022-08-17 11:30	0.6
IC-1118	IC-1118				2022-08-19 11:46	TOS Screen	cb	xy41.351867_-71.963822	Screened	1	{44bac082-93e0-4ef5-8f34-065d9cde28ff}	d2	none	none	2022-08-19 11:42	0	2022-08-17 11:42	0.6
IC-1122	IC-1122				2022-08-19 14:46	TOS screen	cb	xy41.389838_-71.845198	Screened	1	{aa9657bc-50cf-49d3-9144-560bc092632a}	d1	none	none	2022-08-19 14:45	0	2022-08-17 14:46	0.6
IC-1125	IC-1125				2023-01-10 19:23					1	{c05f5607-ef7f-485c-8f7e-7c6db6d3de47}							
IC-1127	IC-1127				2022-09-01 16:56	TOS Screen. Does Not Exist			Screened	1	{e387fb06-7aed-463b-8f46-cd83953931a7}							
IC-1130	IC-1130				2022-08-03 19:47					1	{5b0f1210-19ed-4bd3-b326-0ca2466dc51a}							
IC-1134	IC-1134				2022-08-19 11:56	TOS screen	cb	xy41.352916_-71.96323	Screened	1	{bbf47ec0-b0f2-40f8-acad-3531711afaef}	d1	none	none	2022-08-19 11:54	0	2022-08-17 11:55	0.6
IC-1142	IC-1142				2022-08-19 12:16	TOS screen	cb	xy41.390879_-71.96016	Screened	1	{bdc05ea9-570b-4a2e-9d93-5a9714b94088}	d1	none	none	2022-08-19 12:14	0	2022-08-17 12:14	0.6
IC-1148	IC-1148				2022-08-03 19:47					0	{63f57033-27d9-4350-a826-43b12d8ad4b8}							

Town and Borough of Stonington

Dry Weather Sampling
Results through January 2023

objectid	parentid	Sample location	of_subm	Vis Evid	Olf Evid	Temp (°C)	Conductivity (µS/cm)	Salinity (ppm)	Chlorine (mg/L)	Ammonia (mg/L)	Surfactants (mg/L)	E coli (MPN/100mL)	ec_id	Enterococcus (MPN/100mL)	entero_id	T Phosphorus (mg/L)	T Nitrogen (mg/L)	tp_id	tn_id	flow_desc	lastraindate	lastrainamt	rcvwtrtype	tp_yn	sampletn	samplestart	sampleendtime	lab_submit_time	sampler	samp_xycode	notes
9	{DCB76B3A-87B0-4DB4-8765-9CED40CB35EA}		0	none	none	22.8	0	0.1	0	0.31	0.05		OF 113	10		0.285	2.93			t	2019-08-28 16:00	1.31	Fresh	N	N	2019-09-19 19:00	2019-09-19 19:15	2019-09-19 16:00	CMG1		
10	{4F677B77-E706-468F-8B19-3A492AF94B89}		0	foam	none	20	124	0.1	0	0.38	0.08		OF 71	10		0.019	0.68			t	2019-08-28 16:00	1.31	Fresh	N	N	2019-09-20 19:18	2019-09-20 19:20	2019-09-20 16:00	CMG1		Rust colored water creating foam
11	{DCB76B3A-87B0-4DB4-8765-9CED40CB35EA}		0	none	none	22.8	0	22.6	0				OF 113							t	2019-08-28 16:00	1.31	Fresh	N	N	2019-09-19 18:32	2019-09-19 19:03	2019-09-19 16:00	CMG1		
12	{4F677B77-E706-468F-8B19-3A492AF94B89}		0	none	none	20	124	0.1	0	0.38	0.08	10	OF 71							m	2019-09-12 16:00	0.47	Fresh	N	N	2019-09-20 19:30	2019-09-20 19:45	2019-09-20 21:26	CMG1		Rust colored water coming from outfall
17	{6ED9839C-DE36-4EF1-B04B-BD808EE731A2}		0	none	none	14.5	113	58	0	0	0	113	148540							m	2022-05-21 16:00	0.45	Fresh	N	N	2022-06-07 12:15	2022-06-07 12:17	2022-06-07 18:00	other		TOS sampled
23	cb085b76-27a9-4646-9c71-68339101a0d0	cb	1	none	none	13	143	71	0	0	0	1	148541							t	2022-05-21 16:00	0.45	Fresh	N	N	2022-06-07 12:29	2022-06-07 12:30	2022-06-07 18:00	other	xy41.374796 -71.941917	TOS sampled
24	{6ED9839C-DE36-4EF1-B04B-BD808EE731A2}		0	none	none	14.5	113	58	0	0	0	113	148540							m	2022-05-21 16:00	0.45	Fresh	N	N	2022-06-07 12:15	2022-06-07 12:17	2022-06-07 18:00	other		TOS sampled. updated picture
25	{CB085B76-27A9-4646-9C71-68339101A0D0}	cb	1	none	none	13	143	71	0	0.05	0.1	1	148541							t	2022-05-21 16:00	0.45	Fresh	N	N	2022-06-07 12:29	2022-06-07 12:30	2022-06-07 18:00	other	xy41.374796 -71.941917	TOS sampled
26	{38B08212-84A8-41FD-BE59-F490C05540BF}		0	none	none	13	133	67	0	0.05	0.05	7	148542							m	2022-05-21 16:00	0.45	Fresh	N	N	2022-06-07 12:47	2022-06-07 12:48	2022-06-07 18:00	other		TOS sampled
27	{5D798608-B895-45AF-A989-CB4C49E70710}	cb	1	algae	ammonia,e	18	9150	5.01	0	0.51	0.37			52	148544					t	2022-05-21 16:00	0.45	Salt	N	N	2022-06-20 13:16	2022-06-07 13:17	2022-06-07 18:00	other	xy41.356101 -71.966076	TOS sampled
28	{29D0DEA2-0AD8-4CC7-A242-BDB1A16737D4}	cb	1	oil	ammonia,e	17.5	3640	1.91	0	0.61	0.56			41	148544					t	2022-05-21 16:00	0.45	Salt	N	N	2022-06-07 13:36	2022-06-07 13:37	2022-06-07 18:00	other	xy41.352216 -71.967031	TOS sampled
29	{2211B229-8C43-4B19-B4D1-13C134990655}		0	none	none	15	264	0.128	0	0.26	0.05			301	148545	0.11	1.65	148545	148545	h	2022-05-21 16:00	0.45	Salt	Y	Y	2022-06-07 14:01	2022-06-07 14:02	2022-06-07 18:00	other		TOS sampled. CULVERT OUTLET
30	{72FA9298-D8B5-4222-A8C6-45D5FBE25F35}	cb	1	none	none	15	1181	0.586	0	0	0.05			10	148546	0.06	1.19	148546	148546	m	2022-05-21 16:00	0.45	Salt	Y	Y	2022-06-07 14:12	2022-06-07 14:13	2022-06-07 18:00	other	xy41.357288 -71.95237	TOS sampled
31	{3E3C1EDA-00EB-4ABE-BDC2-5719ECC5E915}	cb	1	none	none	14.5	603	0.293	0	0	0.05			10	148547	0.04	1.61	148547	148547	m	2022-05-21 16:00	0.45	Salt	Y	Y	2022-06-08 3:26	2022-06-07 15:27	2022-06-07 18:00	other	xy41.355071 -71.952709	TOS sampled
32	{20A749DB-62DC-4B80-A1F3-8CD10F6F0B0C}		0	none	none	17	2550	1.31	0	0	0.15	649	148548							t	2022-05-21 16:00	0.45	Fresh	N	N	2022-06-07 16:07	2022-06-07 16:08	2022-06-07 18:00	other		TOS sampled. CULVERT OUTLET
33	{2BC88A40-8D17-4392-A766-7BA00097E17D}	cb	1	none	none	17	935	0.46	0	0.05	0.14			10	148549					m	2022-05-21 16:00	0.45	Salt	N	N	2022-06-07 16:25	2022-06-07 16:26	2022-06-07 18:00	other	xy41.342804 -71.938241	TOS sampled
34	{6EA2934F-FE4B-408A-A575-433131557877}	cb	1	none	none	14.5	3140	1.64	0	0.16	0.05			10	148550					m	2022-05-21 16:00	0.45	Salt	N	N	2022-06-07 16:45	2022-06-07 16:46	2022-06-07 18:00	other	xy41.336619 -71.932586	TOS sampled
35	{C89A4307-BB41-41B8-9DBB-D9D69A4D4BDC}	cb	1	none	none	19	4690	250	0	0.05	0.25			10	148923					t	2022-06-19 16:00	0.17	Salt	N	N	2022-06-21 12:25	2022-06-21 12:26	2022-06-21 19:00	other	xy41.333396 -71.929313	TOS sampled
36	{24AB391F-D75A-42CF-9449-66F4C9BEFF20}		0	none	none	16	8960	5000	0	0.05	0.1			26	148924					t	2022-06-19 16:00	0.17	Salt	N	N	2022-06-21 12:41	2022-06-21 12:42	2022-06-21 19:00	other		TOS sampled
37	{7C527AA4-D7AC-4C74-9DB8-46024FBA1A17}		0	none	none	19	4610	2460	0	0.05	0.1			933	148925					m	2022-06-19 16:00	0.17	Salt	N	N	2022-06-21 13:20	2022-06-21 13:21	2022-07-07 19:00	other		TOS sampled
38	{9EB407E4-C744-461C-84A5-0EDFB2BC095A}		0	none	none	15	359	173	0	0.05	0.1	96	148926	26	148924					m	2022-06-19 16:00	0.17	Fresh	N	N	2022-06-21 14:07	2022-06-21 14:08	2022-06-21 19:00	other		TOS sampled
39	{C89A4307-BB41-41B8-9DBB-D9D69A4D4BDC}	cb	1	none	none	19	4690	2500	0	0.05	0.25			10	148923					t	2022-06-19 16:00	0.17	Salt	N	N	2022-06-21 12:25	2022-06-21 12:26	2022-06-21 19:00	other	xy41.333396 -71.929313	TOS sampled
40	{7C527AA4-D7AC-4C74-9DB8-46024FBA1A17}		0	none	none	19	4610	2460	0	0.05	0.1			933	148925					m	2022-06-19 16:00	0.17	Salt	N	N	2022-06-21 13:20	2022-06-21 13:21	2022-06-21 19:00	other		TOS sampled
45	{CA67ACB5-13C6-4D35-9E4B-F96A83C16D49}	cb	1	none	none	16.5	585	284	0	0.37	0.13	167	148927							t	2022-06-19 16:00	0.17	Fresh	N	N	2022-06-21 14:52	2022-06-21 14:53	2022-06-21 19:00	other	xy41.356057 -71.853263	TOS sampled
46	{6D33E0AD-E02C-4E6A-A4DD-DDA58C22CFF6}		0	none	none	20	19830	11800	0	0	0.06	167	148927	30	148928	0	3.45	148928	148928	m	2022-06-19 16:00	0.17	Salt	Y	Y	2022-06-21 15:26	2022-06-21 15:27	2022-06-21 19:00	other		TOS sampled
47	{5D0A9B31-CE3B-41F5-81B4-487716DDE85B}	cb	1	none	none	19	3290	1720	0	0	0.08	167	148927	520	148930	0.04	3.09	148930	148930	m	2022-06-19 16:00	0.17	Salt	Y	Y	2022-06-21 16:35	2022-06-21 16:36	2022-06-21 19:00	other	xy41.352148 -71.837877	TOS sampled
48	{BEC739B7-D2C0-406D-B4B8-FAF4BD16D871}	cb	1	none	none	19	7720	4260	0	0.31	0.15	167	148927	41	148931	0.25	3.35	148931	148931	t	2022-06-19 16:00	0.17	Salt	Y	Y	2022-06-21 16:35	2022-06-21 16:36	2022-06-21 19:00	other	xy41.35213 -71.837945	TOS sampled
49	{A2DBA233-B8B0-49E5-9EC9-8C4DEE0F5CD6}		0	none	none	15.5	273	132	0	0	0.12	167	148927	738	148929	0.17	1.35	148929	148929	m	2022-06-19 16:00	0.17	Salt	Y	Y	2022-06-21 16:52	2022-06-21 16:53	2022-06-21 19:00	other		TOS sampled

created_user	field	Sampling Location	Outfall Submerged	Fecal Coliform (MPN/100mL)	fc_id	Total Coliform (MPN/100mL)	tc_id	E Coli (MPN/100mL)	ec_id	Enterococcus (MPN/100mL)	entero_id	T Phosphorus (mg/L)	T Nitrogen (mg/L)	tp_id	tn_id	lastraindate	lastrainam	samplestarttime	sampleendtime	mpairmenr	event_dc	air_temp	lab_submit_time	temp	fresh_bact	salt_bact	sampler	samp_xycode	notes
STONINGTON1			0	20	OF 47					581	OF 47					2019-10-03 16:00	0.11	2019-10-09 12:11	2019-10-09 12:11		0.91	54	2019-10-09 16:00	15.6	N	Y	CMG1		
STONINGTON1			0	51	OF 92					50	OF 92	3.21	2.43	OF 92	OF 92	2019-10-03 16:00	0.11	2019-10-09 15:23	2019-10-09 15:35		0.91	54	2019-10-09 17:34	14.2	N	Y	CMG1		
STONINGTON1			0	2050	OF 225					5790	OF 225					2019-10-03 16:00	0.11	2019-10-09 14:09	2019-10-09 14:14		0.91	54	2019-10-09 16:00	14.5	N	Y	CMG1		
STONINGTON1			0	583	OF 328					2280	OF 328					2019-10-03 16:00	0.11	2019-10-09 13:07	2019-10-09 13:17			54	2019-10-09 16:00	15.1	N	Y	CMG1		
STONINGTON1			0	2360	OF 245					7270	OF 245					2019-10-03 16:00	0.11	2019-10-09 15:52	2019-10-09 16:01		0.91	54	2019-10-09 16:00	13.4	N	Y	CMG1		
STONINGTON1			0	583	OF 328					2280	OF 328					2019-10-03 16:00	0.11	2019-10-09 13:07	2019-10-09 13:17			54	2019-10-09 17:34	15.1	N	Y	CMG1		
STONINGTON1		mh	1	41	OF-10					1110	OF-10					2020-04-09 16:00	0.7	2020-04-13 12:30	2020-04-13 12:40		1.22	51	2020-04-13 16:56	11.9	N	Y	CMG1	xy41.365702_-71.962742	Couldn't locate OF. Sampled 1st upstream MH
STONINGTON1			0	10	OF-340					148	OF-340					2020-04-09 16:00	0.7	2020-04-13 12:45	2020-04-13 12:55		1.22	51	2020-04-13 16:56	11.8	N	Y	CMG1		Fecal concentration is <10
STONINGTON1			0	20	OF-106					41	OF-106					2020-04-09 16:00	0.7	2020-04-13 12:55	2020-04-13 13:05		1.22	51	2020-04-13 16:56	11.9	N	Y	CMG1		
STONINGTON1			0	75	OF-105					171	OF-105					2020-04-09 16:00	0.7	2020-04-13 13:10	2020-04-13 13:20		1.22	51	2020-04-13 16:56	11.8	N	Y	CMG1		
STONINGTON1		cb	1	41	OF-36					63	OF-36					2020-04-09 16:00	0.7	2020-04-13 13:20	2020-04-13 13:30		1.22	51	2020-04-13 16:56	11.9	N	Y	CMG1	xy41.355253_-71.967324	OF under pier and not accessible. Sampled from 1st upstream CB
STONINGTON1		cb	1	20	OF-134					52	OF-134	0.043	0.94	OF-134	OF-134	2020-04-09 16:00	0.7	2020-04-13 13:40	2020-04-13 13:50		1.22	51	2020-04-13 16:56	9.6	N	Y	CMG1	xy41.35108_-71.956604	CB not inundated, but not flowing. Sampled from upstream CB
STONINGTON1			0	20	OF-339					187	OF-339	0.066	1.01	OF-339	OF-339	2020-04-09 16:00	0.7	2020-04-13 13:50	2020-04-13 14:00		1.22	51	2020-04-13 16:56	11.6	N	Y	CMG1		
STONINGTON1			0	135	OF-88					1520	OF-88	0.116	0.8	OF-88	OF-88	2020-04-09 16:00	0.7	2020-04-13 14:00	2020-04-13 14:10		1.22	51	2020-04-13 16:56	11.2	N	Y	CMG1		
STONINGTON1			0	10	OF-89					10	OF-89	0.033	1.23	OF-89	OF-89	2020-04-09 16:00	0.7	2020-04-13 14:05	2020-04-13 14:15		1.22	51	2020-04-13 16:56	11	N	Y	CMG1		
STONINGTON1			0	529	OF-90					2100	OF-90	0.06	1.12	OF-90	OF-90	2020-04-09 16:00	0.7	2020-04-13 14:15	2020-04-13 14:25		1.22	51	2020-04-13 16:56	10.9	N	Y	CMG1		
STONINGTON1			0	173	OF-110					199	OF-110	0.037	0.57	OF-110	OF-110	2020-04-09 16:00	0.7	2020-04-13 14:25	2020-04-13 14:35		1.22	51	2020-04-13 16:56	10.8	N	Y	CMG1		
STONINGTON1		cb	1	41	OF-10					1110	OF-10					2020-04-09 16:00	0.7	2020-04-13 12:35	2020-04-13 12:35		1.22	75	2020-04-13 16:56	11.9	N	Y	CMG1	xy41.36571_-71.962487	
STONINGTON1			0	10	OF-340					148	OF-340					2020-04-09 16:00	0.7	2020-04-14 0:50	2020-04-13 12:50		1.22	75	2020-04-13 16:56	11.8	N	Y	CMG1		
STONINGTON1			0	20	OF-106					41	OF-106					2020-04-09 16:00	0.7	2020-04-13 13:00	2020-04-13 13:00		1.22	76	2020-04-13 16:56	11.9	N	Y	CMG1		
STONINGTON1			0	75	OF-105					171	OF-105					2020-04-09 16:00	0.7	2020-04-13 13:15	2020-04-13 13:15		1.22	76	2020-04-13 16:56	11.8	N	Y	CMG1		
STONINGTON1		cb	1	41	OF-36					63	OF-36					2020-04-09 16:00	0.7	2020-04-13 13:25	2020-04-13 13:25		1.22	77	2020-04-13 16:56	11.9	N	Y	CMG1	xy41.355253_-71.967324	
STONINGTON1		cb	1	20	OF-134					52	OF-134	0.043	0.93	OF-134	OF-134	2020-04-09 16:00	0.7	2020-04-13 13:45	2020-04-13 17:31		1.22	78	2020-04-13 16:56	9.6	N	Y	CMG1	xy41.351115_-71.956667	
STONINGTON1			0	20	OF-339					187	OF-339	0.066	0.59	OF-339	OF-339	2020-04-09 16:00	0.7	2020-04-13 13:55	2020-04-13 13:55		1.22	79	2020-04-13 16:56	11.6	N	Y	CMG1		
STONINGTON1			0	135	OF-88					1520	OF-88	0.116	0.78	OF-88	OF-88	2020-04-09 16:00	0.7	2020-04-13 14:05	2020-04-13 14:05		1.22	79	2020-04-13 16:56	11.2	N	Y	CMG1		
STONINGTON1			0	10	OF-89					10	OF-89	0.033	1.23	OF-89	OF-89	2020-04-09 16:00	0.7	2020-04-13 14:10	2020-04-13 14:10		1.22	79	2020-04-13 16:56	11	N	Y	CMG1		
STONINGTON1			0	529	OF-90					2100	OF-90	0.06	1.12	OF-90	OF-90	2020-04-09 16:00	0.7	2020-04-13 14:20	2020-04-13 14:20		1.22	79	2020-04-13 16:56	10.9	N	Y	CMG1		
STONINGTON1			0	173	OF-110					199	OF-110	0.037	0.34	OF-110	OF-110	2020-04-09 16:00	0.7	2020-04-13 14:30	2020-04-13 14:30		1.22	80	2020-04-13 16:56	10.8	N	Y	CMG1		
STONINGTON1		cb	1	2100	OF-38					867	OF-38					2020-10-13 16:00	0.87	2020-10-16 16:30	2020-10-16 16:35		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1	xy41.353797_-71.96831	
STONINGTON1		cb	1	5790	OF-32					708	OF-332					2020-10-13 16:00	0.87	2020-10-16 16:50	2020-10-16 16:55		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1	xy41.34064_-71.940074	
STONINGTON1			0	148	OF-76					231	OF-76					2020-10-13 16:00	0.87	2020-10-16 17:00	2020-10-16 17:05		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1		
STONINGTON1		cb	1	414	OF-77					292	OF-77					2020-10-13 16:00	0.87	2020-10-16 17:15	2020-10-16 17:20		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1	xy41.348182_-71.937676	
STONINGTON1			0	97	OF-20					537	OF-20					2020-10-13 16:00	0.87	2020-10-16 17:25	2020-10-16 17:30		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1		
STONINGTON1			0	5170	OF-230					7700	OF-230					2020-10-13 16:00	0.87	2020-10-16 17:35	2020-10-16 17:40		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1		Pipe flap broken
STONINGTON1			0	85	OF-231					1680	OF-231					2020-10-13 16:00	0.87	2020-10-16 17:45	2020-10-16 17:50		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1		
STONINGTON1			0	228	OF-331					2580	OF-331					2020-10-13 16:00	0.87	2020-10-16 17:55	2020-10-16 18:00		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1		
STONINGTON1		cb	1	820	OF-39					1400	OF-39					2020-10-13 16:00	0.87	2020-10-16 18:05	2020-10-16 18:10		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1	xy41.333396_-71.929313	
STONINGTON1			0	17300	OF-235					24200	OF-235					2020-10-13 16:00	0.87	2020-10-16 18:15	2020-10-16 18:20		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1		Entero concentration was >24200
STONINGTON1		cb	1	52	OF-236					173	OF-236					2020-10-13 16:00	0.87	2020-10-16 18:25	2020-10-16 18:30		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1	xy41.334333_-71.927448	2 OFs tho only 1 mapped
STONINGTON1		cb	1	2100	OF-38					867	OF-38					2020-10-13 16:00	0.87	2020-10-16 16:30	2020-10-16 16:35		0.74	65	2020-10-16 20:30	16.7	N	Y	CMG1	xy41.353799_-71.968448	
STONINGTON1		cb	1	20	OF-16					150	OF-16					2020-11-26 17:00	0.44	2020-11-30 17:30	2020-11-30 17:35		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1	xy41.350033_-71.921347	Sampled from first upstream CB
STONINGTON1			0	959	OF-63					2140	OF-63					2020-11-26 17:00	0.44	2020-11-30 17:40	2020-11-30 17:45		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1			0	15500	OF-154					1720	OF-154					2020-11-26 17:00	0.44	2020-11-30 17:50	2020-11-30 17:55		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1		cb	1	10	OF-10					118	OF-155					2020-11-26 17:00	0.44	2020-11-30 18:00	2020-11-30 18:05		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1	xy41.346329_-71.919317	Sampled from first upstream CB. Fecal results were <10 MPN/100 mls
STONINGTON1		cb	1	63	OF-156					216	OF-156					2020-11-26 17:00	0.44	2020-11-30 18:10	2020-11-30 18:15		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1	xy41.34643_-71.918359	Sampled from first upstream CB
STONINGTON1			0	384	OF-161					5480	OF-161					2020-11-26 17:00	0.44	2020-11-30 18:20	2020-11-30 18:25		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1		cb	1	2110	OF-159					405	OF-159					2020-11-30 17:00	0.44	2020-11-30 18:30	2020-11-30 18:35		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1	xy41.347023_-71.907692	Sampled from first upstream CB
STONINGTON1			0	86	OF-96					14100	OF-96					2020-11-26 17:00	0.44	2020-11-30 18:40	2020-11-30 18:45		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1			0	86	OF-97					1350	OF-97					2020-11-26 17:00	0.44	2020-11-30 18:45	2020-11-30 18:50		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1			0	110	OF-162					1720	OF-162					2020-11-26 17:00	0.44	2020-11-30 18:55	2020-11-30 19:00		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1			0	496	OF-319					4110	OF-319					2020-11-26 17:00	0.44	2020-11-30 19:05	2020-11-30 19:10		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1			0	132	OF-B 369					1380	OF-B 369	0.153	0.62	OF-B 369	OF-B 369	2020-11-26 17:00	0.44	2020-11-30 19:20	2020-11-30 19:25		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1			0	122	OF- B 50					14100	OF- B 50	0.07	0.42	OF- B 50	OF- B 50	2020-11-26 17:00	0.44	2020-11-30 19:45	2020-11-30 19:50		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1		
STONINGTON1		cb	1	301	OF-B 52					1290	OF-B 52	0.139	0.74	OF-B 52	OF-B 52	2020-11-26 17:00	0.44	2020-11-30 20:00	2020-11-30 20:05		0.8	58	2020-11-30 22:25	13.2	N	Y	CMG1	xy41.329949_-71.904681	Sampled from first upstream CB
STONINGTON1			0			24200	OF-178	24200	OF-178							2021-08-09 16:00	0.17	2021-08-19 12:55	2021-08-19 12:55		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for both parameters
STONINGTON1			0			24200	OF-179	703	OF-179							2021-08-09 16:00	0.17	2021-08-19 13:05	2021-08-19 13:05		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100 mls for total coliform
STONINGTON1			0			24200	OF-101	24200	OF-101							2021-08-09 16:00	0.17	2021-08-19 13:15	2021-08-19 13:15		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for both parameters
STONINGTON1			0			24200	OF-100	24200	OF-100							2021-08-09 16:00	0.17	2021-08-19 13:50	2021-08-19 13:50		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for both parameters. Outfall is an in-flow for a stream
STONINGTON1			0			24200	OF-177	5170	OF-177							2021-08-09 16:00	0.17	2021-08-19 13:35	2021-08-19 13:35		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for total coliform
STONINGTON1			0			24200	OF-191	12000	OF-191							2021-08-09 16:00	0.17	2021-08-19 13:45	2021-08-19 13:45		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for total coliform
STONINGTON1			0			24200	OF-176	20	OF-176							2021-08-09 16:00	0.17	2021-08-19 14:05	2021-08-19 14:05		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for total coliform
STONINGTON1			0			24200	OF-304	86	OF-304							2021-08-09 16:00	0.17	2021-08-19 14:45	2021-08-19 14:45		0.24	74	2021-08-19 16:22	22	Y	N	CMG1		Lab report indicated >24,200/100mls for total coliform
STONINGTON1			0			24200	OF-178	24200	OF-178							2021-08-09 16:00	0.17	2021-08-19 12:55	2021-08-19 12:58		0.24	70	2021-08-19 16:22	18	Y	N	CMG1		Bacteria results were reported at greater than levels above

Town and Borough of Stonington

Impaired Water Sampling
Results through January 2023

created_user	field	Sampling Location	Outfall Submerged	Fecal Coliform (MPN/100mL)	fc_id	Total Coliform (MPN/100mL)	tc_id	E Coli (MPN/100mL)	ec_id	Enterococcus (MPN/100mL)	entero_id	T Phosphorus (mg/L)	T Nitrogen (mg/L)	tp_id	tn_id	lastraindate	lastrainam	samplestarttime	sampleendtime	mpairmen	r_event_de	air_temp	lab_submit_time	temp	fresh_bact	salt_bact	sampler	samp_xycode	notes
STONINGTON1			0			24200	OF-179	703	OF-179							2021-08-09 16:00	0.17	2021-08-19 13:05	2021-08-19 13:08		0.24	70	2021-08-19 16:22	18	Y	N	CMG1		Bacteria result for total coliform reported at greater than level above
STONINGTON1			0			24200	OF-101	24200	OF-101							2021-08-09 16:00	0.17	2021-08-19 13:15	2021-08-19 13:18		0.24	70	2021-08-19 16:22	18	Y	N	CMG1		Bacteria results were reported at greater than levels above
STONINGTON1			0			24200	OF-191	12000	OF-191							2021-08-09 16:00	0.17	2021-08-19 13:45	2021-08-19 13:18		0.24	70	2021-08-19 16:22	18	Y	N	CMG1		Bacteria result for total coliform reported at greater than level above
STONINGTON1			0			24200	OF-177	5170	OF-177							2021-08-09 16:00	0.17	2021-08-19 13:35	2021-08-19 13:38		0.24	70	2021-08-19 16:22	18	Y	N	CMG1		Bacteria result for total coliform reported at greater than level above
STONINGTON1			0			24200	OF-304	86	OF-304							2021-08-09 16:00	0.17	2021-08-19 14:45	2021-08-19 14:48		0.24	70	2021-08-19 16:22	18	Y	N	CMG1		Bacteria result for total coliform reported at greater than level above
STONINGTON1			0			3650	OF-306	30	OF-306							2022-11-27 17:00	0.37	2022-11-30 19:25	2022-11-30 19:30		0.63	57	2022-11-30 23:10	10.1	Y	N	CMG1		
STONINGTON1			0			4350	OF-305	10	OF-305							2022-11-27 17:00	0.37	2022-11-30 19:35	2022-11-30 19:40		0.63	56	2022-11-30 23:10	8.3	Y	N	CMG1		
STONINGTON1		cb	1			14100	OF-173	86	OF-173							2022-11-27 17:00	0.37	2022-11-30 20:10	2022-11-30 20:15		0.63	56	2022-11-30 23:10	11.3	Y	N	CMG1	xy41.385251_-71.842901	
STONINGTON1		cb	1			7700	OF-192	52	OF-192							2022-11-30 17:00	0.37	2022-11-30 20:25	2022-11-30 20:30		0.63	56	2022-11-30 23:10	7.4	Y	N	CMG1	xy41.384404_-71.841893	
STONINGTON1		cb	1			24200	OF-187	265	OF-187							2022-11-27 17:00	0.37	2022-11-30 21:53	2022-11-30 20:40		0.63	56	2022-11-30 23:10	10.3	Y	N	CMG1	xy41.383941_-71.841079	Total coliform was reported at >24200
STONINGTON1			0			24200	OF-188	384	OF-188							2022-11-27 17:00	0.37	2022-11-30 21:57	2022-11-30 20:45		0.63	56	2022-11-30 23:10	10.8	Y	N	CMG1		Total coliform was reported at >24200
STONINGTON1			0			24200	OF-189	10	OF-189							2022-11-27 17:00	0.37	2022-11-30 20:45	2022-11-30 20:50		0.63	56	2022-11-30 23:10	9.8	Y	N	CMG1		E. coli was reported at <10. Total coliform was reported at >24200
STONINGTON1			0		98 OF-111						331 OF-111	0.04		0.8 OF-111	OF-111	2022-12-31 17:00	0.71	2023-01-03 19:25	2023-01-03 19:30		0.33	52	2023-01-03 22:29	9.5	N	Y	CMG1		
STONINGTON1			0		10 OF-255						107 OF-255	0.243		1.48 OF-255	OF-255	2022-12-31 17:00	0.71	2023-01-03 19:10	2023-01-03 19:15		0.33	52	2023-01-03 22:29	9.9	N	Y	CMG1		Fecal coliform was reported as <10
STONINGTON1			0		146 IC-1127						882 IC-1127	0.094		0.65 IC-1127	IC-1127	2022-12-31 17:00	0.71	2023-01-03 18:55	2023-01-03 19:00		0.33	52	2023-01-03 22:29	10.1	N	Y	CMG1		
STONINGTON1			0		10 IC-1115						554 IC-1115					2022-12-31 17:00	0.71	2023-01-03 18:45	2023-01-03 18:50		0.33	52	2023-01-03 22:29	9.7	N	Y	CMG1		Fecal coliform was reported as <10

FUSS & O'NEILL

Attachment 4

IDDE Resident Tracking Sheet

I.D.D.E TACKING - MS4

EVENT	NOTIFY	RESIDENT	CONTACT	LOCATION	Concern	ACTION	ACTION 2
12/24/2020	12/24/2020	Whalen, Kevin	860.514.9764	**Perkins Farm** - Town_Homes_Entrance at cornet TH#1 & TH#2	Oil in run-off at gutter entrance @ TH#1 as observed 12/24/2020 rain event	Met on-site with Resident - 12/30/2020 Received video & location reference, no evidence of pollution at time of meeting	Continue to monitor
12/16/2021	12/16/2021	Bill Middleton	860.235.8115	8 Village Farm Road	Hot cleaning water (from oil fryer) was disposed of in catch basin on private property	**Ledge Light** reported cleaning water emptied to basin, no visual grease at drain, further stated Fire Marshall viewed water only	Engaged in discussion with owner, learned that cleaning water was accidentally discharged by employee. Owner understands operations, equipment, protocol for cleaning fryer. Corrective action is to cease operation of discharge to basin and use slop sink. **DEEP** informs that no further action required unless activity resumes.
10/11/2022	11/11/2022 per email Dan Smith - WPCA	Bestev LLC. Josh Feldman		4 Roosevelt = Rte 1 Noble Smokehouse	Alleged: dispense 5 gallon bucket of animal fat from smoker into seewer (storm) behind restaurant to east	10/12/2022 - 2:00 PM - Meet onsite with WPCA (Dan Smith & Ledge Light (Charlene X), viewed catch basin grates, Phone discussion with Josh Feldan (owner), admitted to employee erroneously pouring oil in storm drain. Action: Immediate cessation of illicit discharge, have oil\grease bins emptied and purhase additional contaners as needed in interim. Dan smith (WPCA) to send email to Mr. Feldman with recap of all items discusseed and WPCA directives.	

FUSS & O'NEILL

Attachment 5

Sanitary Sewer Overflow Inventory

As of 12/31/2022

Sanitary Sewer Overflow Inventory						
Location (include street crossing/address and receiving water)	Discharge to surface water or MS4	Date and duration of occurrence	Estimated SSO volume	Description with known or suspected cause	Corrective measures completed (include dates)	Corrective measures planned (include dates)
End of Cutter Drive	No	4/28/14 <15min	<20 gal	Failure of radio communicatoins between facilities.	Rebooted all radio systems and checked for	
End of Whaler Rd	No	3/29/17 <20min	<50 gal	Failed input terminals on PLC	Replaced inputs and tested alarms for	
Old Mystic Pump Station	No	2021	<500 gal	Leakage of broken force main	Leak contained and bypassed until repaired	
Boulder Pump Station	No	2021	approx 1000 gal	Power Failure	Septage hauler called in, repaired as well	
Shawandasee Pump Station	No	2021	<1000 gal	Water contractor hit force main	Repaired	

Per WPCA
Attn: Doug Nettleton

Most Recent Update:
12/31/21

FUSS & O'NEILL

Attachment 6

Septic System Repairs

LLHD
Ledge Light Health District

Town of Stonington Septic Repairs for the year 2022

Promoting healthy communities

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
Failed system at 223 S. Broad St. – SFH	Full system replacement with pump system	Unknown
Failed system at 208 S. Anguilla Rd. – SFH	Full system replacement	Unknown
Failed leaching at 14 Island Rd. – SFH	Full system replacement	Unknown
Replacement Systems – not due to failures		
100 Cove Rd. – SFH (single family house)	Full repair, upgrade, central system with outbuilding	None
10 Sunrise Ave. - SFH	Teardown/rebuild, system upgrade	None
198 Masons Island Rd. – SFH	Leaching upgrade for lot split	None
53 Mistuxet Ave. – SFH	Tank replacement only	None
22 Riverside Dr. – SFH	Full repair	None
22 Milan Terrace. – SFH	Full repair	None
215 Miner Pentway – SFH	Full repair	None
40 Deans Mill Rd. – SFH	New sewer line, tank, & d box	None
34 Elm Ridge Rd. – SFH	Full repair, upgrade 3 to 5 bedrooms	None
335 River Rd. - SFH	Full repair	None
206 Jerry Browne Rd. – SFH	Tank replacement only	None
302 Flanders Rd. – SFH	Partial sewer line replacement	None
413 Pequot Trail – SFH	New tank for ADU, moved ex. tank for house	None
302 Montauk Ave. – SFH	Full repair, RE Trans	None
23 Riverside Dr. – SFH	Full repair, upgrade	None
75 Montauk Ave. – SFH	Tank replacement only	None
166 Briar Patch Rd. – SFH	Tank replacement only	None
595 Greenhaven Rd. – SFH	Teardown/rebuild, new system upgrade	None
8 Schoolhouse Rd. – SFH	Full repair, RE Trans	None
82 Riverside Dr. – SFH	Additional leaching Upgrade, RE Trans	None
336 N. Stonington Rd. – SFH	Full repair, upgrade from cesspool	None
552 Wheeler Rd. – SFH	Full repair, upgrade	None
7 Island Rd. – SFH	Full repair	None
64 Deans Mill Rd. – SFH	Tank replacement only	None

LLHD
Ledge Light Health District

Town of Stonington Septic Repairs for the year 2022

Promoting healthy communities

69 Wamphassuc Dr. – SFH	Tank replacement only	None
250 N. Water St. – SFH	New tank and D box	None
1 Lantern Hill – SFH	Full repair, system upgrade additional bedrooms	None
3 Seagull Ln. – SFH	Tank replacement only	None
910 Pequot Trail – SFH	Teardown/rebuild, system upgrade	None
36 Island Rd. – SFH	Teardown/rebuild, system upgrade	None
525 N. Stonington Rd. – SFH	New distribution pipe	None
1050 Pequot Trail – SFH	Full repair	None

FUSS & O'NEILL

Attachment 7

DCIA Tracking Spreadsheet

Town of Stonington MS4

Impervious Area (IA) & Directly Connected Impervious Area (DCIA) Tracking

Updated **12/27/2022**

Total Watershed Area =	**24,961.94**	**Acres**	From Fuss & O'Neil DCIS Analysis dated November 2, 2018)
Impervious Area (2012 Study) =	**1,953.80**	**Acres**	From Fuss & O'Neil DCIS Analysis dated November 2, 2018)
Baseline DCIA (After Applying Sutherland Equations) =	**870.60**	**Acres**	From Fuss & O'Neil DCIS Analysis dated November 2, 2018)
Impervious Area Added Post 2012 =	**55.06**	**Acres**	From CLA (Combination of Visual Analysis and Town Records)
Total Impervious Area =	**2,008.86**	**Acres**	
DCIA Added to MS4 Post 2012 =	**6.49**	**Acres**	From CLA (Combination of Visual Analysis and Town Records)
Total DCIA added to MS4 =	**877.09**	**Acres**	
DCIA Disconnect Goal (2%) =	**17.54**	**Acres**	

GIS shows as Private Road

Needs additional information/investigation to complete

PROJECT INFORMATION					NEW DEVELOPMENT		REDEVELOPMENT		RETROFITS	CHANGE IN IA		CUMULATIVE TOTALS				NOTES & REFERENCES
Ref No.	Development	Address	Plans Provided	Type of Development	Total IA added (ac)	DCIA added to MS4 (ac)	Total IA added or subtracted (ac)	DCIA added or subtracted to MS4 (ac)	IA Disconnected from MS4 (ac)	Change in Total IA (ac)	Change in DCIA to MS4 (ac)	Total IA (ac)	Total IA (%)	DCIA Discharging to MS4 (ac)	DCIA to MS4 (%)	Notes & References
IMPERVIOUS AREA BASELINE (March 2012)												**1953.80**	**7.83%**	**870.60**	**3.5%**	
1	Olivia Lane	Olivia Lane		New Development	1.49	0.00				1.49	0.00	1955.29	7.83%	870.60	3.5%	New town drainage system to be mapped. SW Pond Present.
2	716 Al Harvey Rd	716 Al Harvey Rd		New Development	0.27	0.00				0.27	0.00	1955.56	7.83%	870.60	3.5%	
3	613 N Stonington Rd	613 N Stonington Rd		New Development	0.29	0.00				0.29	0.00	1955.85	7.84%	870.60	3.5%	Located on State Road
4	485 New London Tnpk	485 New London Tnpk		New Development	0.55	0.00				0.55	0.00	1956.40	7.84%	870.60	3.5%	Located on State Road
5	443 New London Tnpk	443 New London Tnpk		New Development	0.25	0.00				0.25	0.00	1956.65	7.84%	870.60	3.5%	Located on State Road
6	Old Mystic Estates	Nautilus Way	Y	New Development	9.47					9.47	0.00	1966.12	7.88%	870.60	3.5%	IA calculated from design plans provided by town. Need to review stormwater management design to determine DCIA.
7	2, 4, 5, 6, 13,41,49, 60, 66, 100, 102 Circle Dr	2, 4, 5, 6, 13,41,49, 60, 66, 100, 102 Circle Dr		New Development	0.58	0.00				0.58	0.00	1966.70	7.88%	870.60	3.5%	Drainage system present but private
8	106, 110, 136, 147 Stephen Dr	106, 110, 136, 147 Stephen Dr		New Development	0.19	0.00				0.19	0.00	1966.89	7.88%	870.60	3.5%	Drainage system present but private
9	472 N Anguilla Rd	472 N Anguilla Rd		New Development	0.06	0.00				0.06	0.00	1966.95	7.88%	870.60	3.5%	
10	1-3 Race St	1-3 Race St		New Development	0.18	0.00				0.18	0.00	1967.13	7.88%	870.60	3.5%	
11	61 Robinson St	61 Robinson St		New Development	0.03	0.00				0.03	0.00	1967.16	7.88%	870.60	3.5%	
12	312 River Rd	312 River Rd		New Development	0.13	0.00				0.13	0.00	1967.29	7.88%	870.60	3.5%	
13	Perkins Farm (Harbor Heights)	Jerry Browne Road		New Development	4.60	0.00				4.60	0.00	1971.88	7.90%	870.60	3.5%	
14	Birchwood Farms	126 South Broad Street		New Development	2.00	0.00				2.00	0.00	1973.88	7.91%	870.60	3.5%	IA calculated from Design Plans
15	West Vine St School	17 West Vine Street		Redevelopment	0.00	0.00	3.04	3.04		3.04	3.04	1976.92	7.92%	873.64	3.5%	No Retention (Steve Matile). Need site visit to determine what portion is DCIA.
16	3, 5, 7, 9, 11, 13, 15 Damato Dr	3, 5, 7, 9, 11, 13, 15 Damato Dr		New Development	0.33	0.00				0.33	0.00	1977.25	7.92%	873.64	3.5%	
17	118 Rowley Dr	118 Rowley Dr		New Development	0.25	0.00				0.25	0.00	1977.50	7.92%	873.64	3.5%	
18	1215 Pequot Tr	1215 Pequot Tr		New Development	0.24	0.00				0.24	0.00	1977.74	7.92%	873.64	3.5%	Located on State Road
19	305 Pequot Tr	305 Pequot Tr		New Development	0.27	0.00				0.27	0.00	1978.01	7.92%	873.64	3.5%	Located on State Road
20	49 High Rdige Dr	49 High Rdige Dr		New Development	0.10	0.00				0.10	0.00	1978.11	7.92%	873.64	3.5%	
21	138 Liberty St	138 Liberty St		New Development	0.12	0.00				0.12	0.00	1978.23	7.92%	873.64	3.5%	Located on State Road
22	Cedar Grove La/Grandview Farm Dr	Cedar Grove La/Grandview Farm Dr	Y	New Development	1.34					1.34	0.00	1979.57	7.93%	873.64	3.5%	New town drainage system to be mapped and provided by town.
23	Masonicare Senior Living	45 Clara Dr	Y	New Development	6.20	0.03				6.20	0.03	1985.77	7.96%	873.67	3.5%	1500 sf IA drains to Clara Drive MS4(Steve Matile)
24	21 Williams St	21 Williams St		New Development	0.11	0.00				0.11	0.00	1985.88	7.96%	873.67	3.5%	No DCIA (Steve Matile)
25	14/16 Cutter Dr	14/16 Cutter Dr	Y	New Development	0.17	0.12				0.17	0.12	1986.05	7.96%	873.80	3.5%	New Driveways are DCIA (Steve Matile)
26	132 Hewitt Rd	132 Hewitt Rd		New Development	0.06	0.00				0.06	0.00	1986.11	7.96%	873.80	3.5%	co
27	1189 Pequot Tr	1189 Pequot Tr		New Development	0.79	0.00				0.79	0.00	1986.90	7.96%	873.80	3.5%	
28	19/23 Pequotsepos Ctr Rd	19/23 Pequotsepos Ctr Rd		New Development	0.22	0.00				0.22	0.00	1987.12	7.96%	873.80	3.5%	
29	271 Montauk Ave	271 Montauk Ave		New Development	0.11	0.00				0.11	0.00	1987.23	7.96%	873.80	3.5%	
30	Deans Mill School	35 Deans Mill Road	Y	Redevelopment			2.97	2.97		2.97	2.97	1990.19	7.97%	876.76	3.5%	No infiltration. Groundwater Protection Area
31	214 Flanders Rd	214 Flanders Rd		New Development	0.10	0.00				0.10	0.00	1990.29	7.97%	876.76	3.5%	
32	396 N Main St	396 N Main St		New Development	0.16	0.00				0.16	0.00	1990.45	7.97%	876.76	3.5%	
33	36 Stanton La	36 Stanton La	Y	New Development	0.16	0.00				0.16	0.00	1990.61	7.97%	876.76	3.5%	
34	132 Farmholme Rd	132 Farmholme Rd		New Development	0.25	0.00				0.25	0.00	1990.86	7.98%	876.76	3.5%	
35	52/54 Barnes Rd	52/54 Barnes Rd		New Development	0.14	0.00				0.14	0.00	1991.00	7.98%	876.76	3.5%	
36	491 Pequot Trail	491 Pequot Trail	Y	New Development	0.21	0.00				0.21	0.00	1991.21	7.98%	876.76	3.5%	Driveway has been paved. Design plans used to calculate IA.
37	30/40 Extrusion Drive	30/40 Extrusion Drive		New Development	1.88	0.00				1.88	0.00	1993.09	7.98%	876.76	3.5%	
38	30 N Broad St	30 N Broad St	Y	New Development	0.12	0.06				0.12	0.06	1993.21	7.98%	876.82	3.5%	Just driveway adds to DCIA (Steve Matile)
39	45 Lathrop Ave	45 Lathrop Ave	Y	New Development	0.12	0.00				0.12	0.00	1993.33	7.99%	876.82	3.5%	
40	59 Parkwood Dr/3 Shea Dr	59 Parkwood Dr/3 Shea Dr		New Development	0.13	0.13				0.13	0.13	1993.46	7.99%	876.95	3.5%	IA directly connects to MS4 on Parkwood Dr
41	235 Greenhaven Rd	235 Greenhaven Rd		New Development	0.15	0.00				0.15	0.00	1993.61	7.99%	876.95	3.5%	
42	51 Mary Hall Rd	51 Mary Hall Rd	Y	New Development	0.07	0.04				0.07	0.04	1993.67	7.99%	876.98	3.5%	IA directly connects to MS4 on Mary Hall Road
43	583 Greenhaven Rd	583 Greenhaven Rd		New Development	0.08	0.00				0.08	0.00	1993.75	7.99%	876.98	3.5%	
44	267 Osbrook Pt	267 Osbrook Pt		New Development	0.20	0.00				0.20	0.00	1993.95	7.99%	876.98	3.5%	

Town of Stonington MS4

Impervious Area (IA) & Directly Connected Impervious Area (DCIA) Tracking

Updated **12/27/2022**

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Needs additional information/investigation to complete

PROJECT INFORMATION					NEW DEVELOPMENT		REDEVELOPMENT		RETROFITS	CHANGE IN IA		CUMULATIVE TOTALS				NOTES & REFERENCES
Ref No.	**Development**	**Address**	**Plans Provided**	**Type of Development**	**Total IA added (ac)**	**DCIA added to MS4 (ac)**	**Total IA added or subtracted (ac)**	**DCIA added or subtracted to MS4 (ac)**	**IA Disconnected from MS4 (ac)**	**Change in Total IA (ac)**	**Change in DCIA to MS4 (ac)**	**Total IA (ac)**	**Total IA (%)**	**DCIA Discharging to MS4 (ac)**	**DCIA to MS4 (%)**	**Notes & References**
45	Flemmings Feed	786 Stonington Rd		Addition	1.26	0.00				1.26	0.00	1995.21	7.99%	876.98	3.5%	Located on State Road
46	45 Cutler St	45 Cutler St		New Development	0.15	0.00				0.15	0.00	1995.36	7.99%	876.98	3.5%	
47	21 Oak Dr	21 Oak Dr	Y	New Development	0.11					0.11	0.00	1995.47	7.99%	876.98	3.5%	Town to provide drainage plans
48	29 Maple St LP	29 Maple St LP		New Development	0.09	0.00				0.09	0.00	1995.56	7.99%	876.98	3.5%	
49	12 Lambs Way	12 Lambs Way	Y	New Development	0.18	0.00				0.18	0.00	1995.74	8.00%	876.98	3.5%	
50	44 Cove Rd	44 Cove Rd	Y	New Development	0.13	0.00				0.13	0.00	1995.87	8.00%	876.98	3.5%	
51	48 Hewitt Rd	48 Hewitt Rd	Y	New Development	0.11	0.07				0.11	0.07	1995.98	8.00%	877.05	3.5%	Driveway discharges directly to MS4 on Hewitt Rd
52	Brustolon Buick GMC	47 Stonington Rd		Parking Addition	0.49	0.00				0.49	0.00	1996.47	8.00%	877.05	3.5%	Located on State Road
53	8 Latimer Pt Rd	8 Latimer Pt Rd		New Development	0.31	0.00				0.31	0.00	1996.78	8.00%	877.05	3.5%	
54	51 Latimer Pt Rd	51 Latimer Pt Rd		New Development	0.28	0.00				0.28	0.00	1997.06	8.00%	877.05	3.5%	
55	1 Harry Austin Dr	1 Harry Austin Dr		Parking Addition	0.74	0.00				0.74	0.00	1997.80	8.00%	877.05	3.5%	
56	Mystic Pt La	Mystic Pt La		New Development	0.36	0.00				0.36	0.00	1998.16	8.00%	877.05	3.5%	
57	1 Orchard Hill Dr	1 Orchard Hill Dr		New Development	0.05	0.00				0.05	0.00	1998.21	8.01%	877.05	3.5%	
58	33 Old North Rd	33 Old North Rd		New Development	0.11	0.00				0.11	0.00	1998.32	8.01%	877.05	3.5%	
59	3 Niles Rd	3 Niles Rd	Y	New Development	0.10	0.04				0.10	0.04	1998.41	8.01%	877.09	3.5%	Driveway discharges directly to MS4 on Niles Rd
60	5 Egret Rd	5 Egret Rd		New Development	0.15	0.00				0.15	0.00	1998.56	8.01%	877.09	3.5%	
61	22 Cormorant Rd	22 Cormorant Rd		New Development	0.13	0.00				0.13	0.00	1998.69	8.01%	877.09	3.5%	
62	193 Masons Island Rd	193 Masons Island Rd		New Development	0.12	0.00				0.12	0.00	1998.81	8.01%	877.09	3.5%	
63	4 Cormorant Rd	4 Cormorant Rd		New Development	0.08	0.00				0.08	0.00	1998.89	8.01%	877.09	3.5%	
64	3 Chippechaug Tr	3 Chippechaug Tr		New Development	0.13	0.00				0.13	0.00	1999.02	8.01%	877.09	3.5%	
65	Fiore Properties	110 S Broad St		Redevelopment	0.00	0.00	(0.01)	0.00		(0.01)	0.00	1999.01	8.01%	877.09	3.5%	Located on State Road
66	Spruce Meadows	88/86 S Broad St	Y	Redevelopment	0.00	0.00	1.61	0.00		1.61	0.00	2000.83	8.02%	877.09	3.5%	Appears to drain into 100 S Broad Street
67		118 S Broad St		Redevelopment	0.00	0.00	0.21	0.00		0.21	0.00	1999.22	8.01%	877.09	3.5%	Located on State Road
68	Spruce Meadows	100 S Broad Street		Redevelopment	0.00	0.00	1.46	0.00		1.46	0.00	2002.29	8.02%	877.09	3.5%	Where is the Discharge Location?
69	Hartford Healthcare	Jerry Browne Road	Y	New Development	2.85	0.00				2.85	0.00	2005.14	8.03%	877.09	3.5%	
70	Perkins Reserve (Town Houses)	Jerry Browne Road	Y	New Development	3.33	0.00				3.33	0.00	2008.47	8.05%	877.09	3.5%	
71	Fiore Properties	116 S Broad St		Redevelopment			0.39	0.00		0.39	0.00	2008.86	8.05%	877.09	3.5%	
					45.40	**0.48**	**9.67**	**6.01**	**0.00**	**55.06**	**6.49**					
PROPOSED DEVELOPMENTS (IA DETERMINED FROM DESIGN PLANS)																
72	Latimer Point Association, Inc	Various (See Below)	Y	Redevelopment			0.08	0.00		0.08	0.00	2008.94	8.05%	877.09	3.5%	Various Addresses. IA Totals need to be monitored
73	GPP Bachman	62 Voluntown Rd	Y	Redevelopment			0.00			0.00	0.00	2008.94	8.05%	877.09	3.5%	Redevelopment occuring on existing IA footprint. No new IA. Need drainage calcs to determine reduction in DCIA directed to new Water Quality Basin
74	George B Dunnington	12 Jerome Ave	Y	Redevelopment			(0.01)	(0.01)		(0.01)	(0.01)	2008.93	8.05%	877.08	3.5%	Redevelopment reduces IA
75	Alamoe	19 Old Stonington Rd	Y	Redevelopment			0.05	(0.02)		0.05	(0.02)	2008.98	8.05%	877.06	3.5%	Redevelopment reduces IA by 2%
76	Mitchel & Regina Strand	18 Skiff Lane	Y	Redevelopment			(0.03)	(0.03)		(0.03)	(0.03)	2008.95	8.05%	877.04	3.5%	Redevelopment reduces IA
77	Mystic Seaport	50 Greenmanville Ave	Y	Redevelopment			0.07			0.07	0.00	2009.03	8.05%	877.04	3.5%	Need to determine if any infiltration occurs
78	Coastal Wealth Management	56 Williams Ave	Y	Redevelopment			0.26	0.00		0.26	0.00	2009.29	8.05%	877.04	3.5%	Sub-surface Infiltration Utilized
79	A G Trust	40 Masons Island Rd	Y	New Development	0.65	0.00				0.65	0.00	2009.94	8.05%	877.04	3.5%	Appears infiltration units employed. Impermeable liner around perimeter? WQV?
80	Michael Norcia	17,19,21 Oakwood Ave	Y	New Development	0.20	0.00				0.20	0.00	2010.14	8.05%	877.04	3.5%	Infiltration Galleries Employed
81	Stonington Country Club	394 Taugwonk Rd	Y	New Development			0.03	0.00		0.03	0.00	2010.17	8.05%	877.04	3.5%	
82	Winn Development	27 West Broad St	Y	Redevelopment			0.48	0.48		0.48	0.48	2010.66	8.05%	877.52	3.5%	
83	G Development	32 Broadway Ave	Y	Redevelopment			(0.05)	(0.05)		(0.05)	(0.05)	2010.61	8.05%	877.47	3.5%	
84	Garden Homes Derby	77 Fair Acres Cir	Y	New Development			0.48	0.00		0.48	0.00	2011.09	8.06%	877.47	3.5%	Impervious Area obtained from Drainage Report
85	Brian J Stafford	3 Roseleah Drive	Y	New Development	0.03	**0.03**				0.03	0.03	2011.12	8.06%	877.50	3.5%	Assume all IA is DCIA
86	Whalers Inn	1-3 Haley St	Y	Redevelopment			0.06	(0.11)		0.06	(0.11)	2011.17	8.06%	877.39	3.5%	
87	Ocean Breeze Land	7 Williams Ave	Y	Redevelopment	0.00	0.00				0.00	0.00	2011.17	8.06%	877.39	3.5%	
88	Masons Island Co.	Great Marsh Road	Y	New Development	0.34	0.00				0.34	0.00	2011.51	8.06%	877.39	3.5%	
89	Perkins Farm Phase 2	100 Perkins Farm Drive	Y	New Development	3.09	0.00				3.09	0.00	2014.60	8.07%	877.39	3.5%	
90	506 Al Harvey Road	506 Providence-NL Tpke	Y	New Development	0.07	0.00				0.07	0.00	2014.67	8.07%	877.39	3.5%	
91		Allen Street	Y	Redevelopment			0.00	(0.55)		0.00	(0.55)	2014.67	8.07%	876.84	3.5%	CLA Project 6834

Town of Stonington MS4

Impervious Area (IA) & Directly Connected Impervious Area (DCIA) Tracking

Updated 12/27/2022

Total Watershed Area =	**24,961.94**	**Acres**	From Fuss & O'Neil DCIS Analysis dated November 2, 2018)
Impervious Area (2012 Study) =	**1,953.80**	**Acres**	From Fuss & O'Neil DCIS Analysis dated November 2, 2018)
Baseline DCIA (After Applying Sutherland Equations) =	**870.60**	**Acres**	From Fuss & O'Neil DCIS Analysis dated November 2, 2018)
Impervious Area Added Post 2012 =	**55.06**	**Acres**	From CLA (Combination of Visual Analysis and Town Records)
Total Impervious Area =	**2,008.86**	**Acres**	
DCIA Added to MS4 Post 2012 =	**6.49**	**Acres**	From CLA (Combination of Visual Analysis and Town Records)
Total DCIA added to MS4 =	**877.09**	**Acres**	
DCIA Disconnect Goal (2%) =	**17.54**	**Acres**	

GIS shows as Private Road

Needs additional information/investigation to complete

PROJECT INFORMATION					NEW DEVELOPMENT		REDEVELOPMENT		RETROFITS	CHANGE IN IA		CUMULATIVE TOTALS				NOTES & REFERENCES
Ref No.	Development	Address	Plans Provided	Type of Development	Total IA added (ac)	DCIA added to MS4 (ac)	Total IA added or subtracted (ac)	DCIA added or subtracted to MS4 (ac)	IA Disconnected from MS4 (ac)	Change in Total IA (ac)	Change in DCIA to MS4 (ac)	Total IA (ac)	Total IA (%)	DCIA Discharging to MS4 (ac)	DCIA to MS4 (%)	Notes & References
					4.38	**0.03**	**1.44**	**(0.28)**	**0.00**	**5.81**	**(0.25)**					
	Latimer Point Association, Inc															
72A	Latimer Point Association, Inc	106 Latimer Point Road	Y	Redevelopment			0.03	0.00								
72B	Latimer Point Association, Inc	39 East Shore Road	Y	Redevelopment			0.00	0.00								
72C	Latimer Point Association, Inc	35 East Shore Road	Y	Redevelopment			0.01	0.00								
72D	Latimer Point Association, Inc	108 Latimer Point Road	Y	Redevelopment			0.00	0.00								
72E	Latimer Point Association, Inc	10 N Shore Way	Y	Redevelopment			0.03	0.00								
72F	Latimer Point Association, Inc	12 N Shore Way	Y	Redevelopment			(0.02)	0.00								
72G	Latimer Point Association, Inc	124 Latimer Pt Rd	Y	Redevelopment			0.01	0.00								
72H	Latimer Point Association, Inc	1 Reid Rd	Y	Redevelopment			0.01	0.00								
							0.08	**0.00**								

FUSS & O'NEILL

Attachment 8

Training Agenda and Sign-in Sheets

AGENDA

HAZWOPER FIRST RESPONDER AWARENESS LEVEL TRAINING
FOR
TOWN OF STONINGTON HIGHWAY GARAGE

April 6, 2022
Highway Garage
Stonington, Connecticut

Instructor: Matt Reiser
Project No.: 2016-049

TOPICS

1. Hazard Communication
2. Flammable and Combustible Liquids
3. Hazard Awareness
4. Personal Protective Equipment

67 HALL ROAD
STURBRIDGE, MA 01566

PHONE (774) 241-0901
FAX (774) 241-0901

ENVIRONMENTAL SERVICES

CMG EST. 2002

ENGINEERING SERVICES

SIGN-IN SHEET

Course Name: H+S Training

Location: Stonington Highway Garage

Date: 4-6-22 Time: 7:15a-10:30a

Instructor Name: Matt Reiser CMG ID: 2016-049

	Name (Please Print)	Signature
1.	Tim Keena	
2.	Kim Lilly	
3.	Victor Lima	
4.	pat Keena	
5.	Rob Hasz	
6.	Evan Bell	
7.	Adam Brown	
8.	Mike Dennis	
9.	Joe Balestracci	
10.	Michael John Bessette	
11.	James Gaetka	
12.	Nate Miceli	
13.	Dan Oliveira	
14.	Mike Barbeau	
15.	Tim Gouvin	
16.	Steve Tuttisi	
17.	Thomas Curioso	
18.	Steve McNair	
19.	Joseph Ferraro	
20.		

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ENVIRONMENTAL SERVICES

CMG EST. 2002

ENGINEERING SERVICES

SIGN-IN SHEET

Course Name:	SPCC/FRP/Ops Manual Training
Location:	Stonington Town Dock
Date: 10-18-22	Time: 9a-
Instructor Name: Matt Reiser	CMG ID: 2022-186

	Name (Please Print)	Signature
1.	Gary Farrell	Gary Farrell
2.	Barbara McKrell	Barbara McKrell
3.	Nate Miceli	Nate Miceli
4.	Robert Smith	Robert Smith
5.	Erik Hansson	Erik Hansson
6.	Peter Bessette	Peter Bessette
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