MS4 General Permit
Town of Wallingford 2024 Annual Report
Permit Number GSM 00050
January 1, 2024 – December 31, 2024
Primary MS4 Contact: Robert Baltramaitis, Director of Public Works, wallingfordtownengineer@gmail.com

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This report documents the Town of Wallingford's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2024 to December 31, 2024.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

BMP	**Status** (Complete, Ongoing, In progress, or Not started)	**Activities in current reporting period**	**Measurable goal**	**Department / Person Responsible**	**Due**	**Date completed or project completion date** (include the start date for anything in progress)	**Additional details**
1-1 Implement public education and outreach	Ongoing	The Town utilizes its website to post links related to the Stormwater Management Plan, as well as other links relating to polluted runoff, rain barrel utilization, and vegetated riparian buffers. Additionally, a "Stormwater and You" display was posted in the Town Hall, which has posted informative information on urban runoff, watersheds, and other applicable information.	People reached	Department of Public Works, Engineering, Wetlands, Planning & Zoning	Ongoing beginning July 1, 2019	2017	Stormwater and You
1-2 Address education/ outreach for pollutants of concern	Ongoing	The Town has posted a brochure on the Stormwater management page relating to pet waste management. This brochure details the importance of cleaning up after a pet as well as waterfowl pollutants.	People reached	Department of Public Works, Engineering	Ongoing beginning July 1, 2019	2017	Pet Care Fact Sheet A Citizen's Guide

BMP	**Status** (Complete, Ongoing, In progress, or Not started)	**Activities in current reporting period**	**Measurable goal**	**Department / Person Responsible**	**Due**	**Date completed or project completion date** (include the start date for anything in progress)	**Additional details**
Additional BMP: 1-3 Hazardous Waste Collection	Ongoing	The Town of Wallingford provides hazardous waste collection in association with the Regional Water Authority in New Haven. Wallingford residents can dispose of their hazardous wastes at this location Saturday Mornings from mid-May to the end of October.	Waste collected	Department of Public Works		2017	Waste Disposal Center for Wallingford Residents

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

1. The Town plans to provide additional educational materials on the Stormwater and You website tab.
2. Maintain and refresh the Stormwater and You display in Town Hall
3. Distribute educational materials at the annual Celebrate Wallingford event held in October.

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**	**Due**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
2-1 Final Stormwater Management Plan publicly available	Completed	The Stormwater Management Plan is currently located on the Town's "Stormwater and You" page.	Provide notice and access to the Stormwater Management Plan	Engineering		March 30, 2017	Stormwater Management Plan
2-2 Comply with public notice requirements for Annual Reports	Completed Annually	The public notice is posted via the Town website on an annual basis for public review and comments.	Provide notice and access to the Annual Report	Law Department, Engineering, and Department of Public Works	Annually- by Feb. 15th	February 15, 2024	Annual Report
Additional BMP: 2-4 Composting	Completed Annually	The Town of Wallingford provides disposal for leaves and other organic debris for Town residents at the local compost center.	Provide disposal for organic debris.	Compost Center			Compost Center

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

1. Annual posting of the MS4 Annual Report
2. Brochures to be distributed during the 2025 Celebrate Wallingford Event
3. Bulletin board and brochures/hand outs on the table outside of the Engineering Department in Town Hall.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan to public	Yes	March 30, 2017	Stormwater Management Plan
Availability of Annual Report announced to public	Yes	April 1, 2024	Annual Report

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**	**Due**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
3-1 Develop written IDDE program	Completed	The Town finalized an IDDE program in September of 2019.	Develop written plan of IDDE program	Law Department, Department of Public Works, Engineering	July 1, 2019	September 2019	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	Completed	The Town has mapped all MS4 stormwater outfalls in priority areas using GIS technology.	Outfall mapped	Department of Public Works, Engineering	July 1, 2020	May 1, 2019	
3-3 Implement citizen reporting program	Completed	The Town has implemented an illicit discharge reporting form, which is available on the Town website. Citizen reporting is maintained through the Engineering Department.	Implement a reporting mechanism and data gathering system.	Engineering Department		April 1, 2017	Citizen Reporting Form
3-4 Establish legal authority to prohibit illicit discharges	Completed	The Town wrote and adopted a Stormwater Connection Ordinance, which was adopted in 2018.	Adopt ordinance	Law Department, Engineering	July 1, 2019	*March 14, 2018*	Ordinance No. 621
3-5 Develop record keeping system for IDDE tracking	Completed	Recordkeeping updated for 2024	Implement Tracking System	Engineering Department		*April 1, 2017*	
3-6 Address IDDE in areas with pollutants of concern	Ongoing	One (1) potential IDDE was identified in 2024. An investigation will be conducted in 2025.	Issues addressed	Engineering Department		Ongoing-Started in 2018	

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

1. Continue Wet Weather sampling at priority outfalls discharging to impaired waters.
2. Continue follow-up dry-weather screening/testing.
3. Respond to any illicit discharge complaints
4. Continue Catchment investigations

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

Date of Report	Location / suspected source	Response taken
2024		
None		

3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table.

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)
2018						
48 Nicholas Road	7/13/2018	Catch Basin on Nicholas Road	Unknown	A resident utilizing an RV was found to have been dumping the RV waste tank into the storm drain.	DEEP was contacted, as well as the Town. The resident was instructed that further dumping would result in fines. The resident was also provided a list of authorized RV waste dumping sites.	None.
2019						
11 Old Gate Road.	9/2/2019	Catch basin on Old Gate Road	Unknown	A septic system pipe was found to have been illegally connected to the MS4 system, and was discharging to the storm drain.	The homeowner was instructed to and completed a capping of a 4” diameter PVC pipe that had been found discharging sanitary sewage into the Town’s catch basin.	None.
2020						

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)
1605 Durham Road	4/24/2020	Asmund Brook	Unknown	A retention pond utilized by a facility for washing quarried stone was found to have insufficient runoff controls. This in turn caused runoff to enter into the Asmund Brook, causing a distinct green discoloration of the water.	Based on the location of the discharge (Wallingford and Durham), this illicit discharge falls under the jurisdiction of Durham, and is currently under investigation.	Elevated concentrations of chromium, copper, nickel, zinc, and total suspended solids were found.
Unknown	6/1/2020	--	--	Residential property-potential septic failure.	The Town completed an investigation, and determined that the discharge was groundwater from a nearby sump pump. No further action necessary.	None.
2022						
2 Doherty Drive	11/22/2022	Potential groundwater discharge to Muddy River.	Unknown	Residential property-Septic repair	Unknown repair type completed.	None.
59 Shetland Drive	11/10/2022	Potential groundwater discharge to Muddy River.	Unknown	Residential property-Septic repair	Unknown repair type completed.	None.
28 Morgan Road	11/22/2022	Potential groundwater discharge to Muddy River.	Unknown	Residential property-replacement of 1,250-gallon septic tank.	1,250-gallon septic tank replaced.	None.
1460 Durham Road	9/12/2022	Potential groundwater discharge to Spring Brook.	Unknown	Residential property-Septic repair	Unknown repair type completed.	None.
960 Old Rockhill Road	10/17/2022	Potential groundwater discharge to unnamed	Unknown	Residential property-Septic repair	Unknown repair type completed.	None.

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)
		pond east of site.				
2023						
69 South Turnpike Road	7/28/2023	Discharge to MS4 System	Unknown	Powerwashing at the residence produced yellow tinted wastewater, which entered a catch basin.	CT DEEP was called.	None.
2024						
No citizen reports of suspected illicit discharges were received in 2024.						

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

Residents of the Town can report illicit discharges to the Engineering Department through an online reporting form, which is available at https://www.wallingford.ct.us/government/departments/public-works/stormwater-and-you/. The Town then conducts follow-up investigations of reported IDDEs, and implements and/or enforces the discharge elimination.

Septic failures are reported by property owners to the Wallingford Health Department. The property owner is then directed to hire an engineer and/or contractor, depending on failure reason. The Wallingford Health Department oversees the installation of any new systems.

3.6 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**
2022				
Permitting, citizen reporting	2 Doherty Drive Unknown nature of structure with failing septic systems.	Unknown repair type completed.	Potential groundwater discharge to Muddy River.	Wallingford Health Department
Permitting, citizen reporting	59 Shetland Drive Unknown nature of structure with failing septic systems.	Unknown repair type completed.	Potential groundwater discharge to Muddy River.	Wallingford Health Department
Permitting, citizen reporting	28 Morgan Road Unknown nature of structure with failing septic systems.	1,250-gallon septic tank replaced.	Potential groundwater discharge to Muddy River.	Wallingford Health Department
Permitting, citizen reporting	1460 Durham Road Unknown nature of structure with failing septic systems.	Unknown repair type completed.	Potential groundwater discharge to Spring Brook.	Wallingford Health Department

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
Permitting, citizen reporting	960 Old Rockhill Road Unknown nature of structure with failing septic systems.	Unknown repair type completed.	Potential groundwater discharge to unnamed pond east of site.	Wallingford Health Department
2023				
Wallingford Health Department	66 North Airline Road – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health Department
	23 Wayne Road – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health
	91 Cedar Lane – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health
	1489 Durham Road – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health
	955 Durham Road – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health
	26 New England Drive – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health
	188 Williams Road – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health
	11 Dogwood Lane – Unknown nature of failing septic system	Complete system replacement	Unknown	Wallingford Health

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	~1,200
Estimated or actual number of interconnections	34
Outfall mapping complete	100% (updated as necessary)
Interconnection mapping complete	100% (updated as necessary)
System-wide mapping complete (detailed MS4 infrastructure)	100% (updated as necessary)
Outfall assessment and priority ranking	100% (updated as necessary)
Dry weather screening of all High and Low priority outfalls complete	100% (All outfalls in priority areas have been inspected.

Catchment investigations complete	One (1) potential IDDE discovered in 2024, investigation planned in 2025
Estimated percentage of MS4 catchment area investigated	NA

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

In December of 2023 and 2024, Atlas provided the Town of Wallingford with a training powerpoint to comply with the provisions of the Municipal Separate Storm Sewer (MS4) General Permit. Annual training sessions will be conducted to reinforce best practices for identifying and reporting illicit discharges and improper disposal, as well as spill protocols. These sessions will also reiterate the Town's general goals and objectives outlined in the Stormwater Management Plan (SMP). Key staff in the Town of Wallingford receive this training

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**	**Due**	**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	Completed.	The Town has revised specific zoning and wetlands regulations to meet the needs for stormwater management as it pertains to construction. Specifically, the Zoning Map was modified for northeast Wallingford to allow the Town to have better control over what uses are permitted within the Watershed Protection District Overlay. §4.9 Industrial Expansion (IX) District and §4.10 Watershed Interchange (WI) District were updated to promote natural and native landscaping rather than regularly mowed and fertilized lawns. §4.13 Watershed Protection District (WPD) Overlay was updated to require a higher level of stormwater runoff quality per the Water Division standards. Landscaping requirements for parking lots were also added to optimize natural infiltration of stormwater, such as depressed islands for rain gardens. The use of sodium chloride for ice control was prohibited and storage container requirements were updated to avoid illicit discharge occurrences.	Revise land-use regulations	Planning and Zoning, Wetlands.	July 1, 2020	July 1, 2017 Zoning Regulations §4.10 and §4.13 updated 4/2022	
4-2 Develop/ Implement plan for interdepartmenta	Completed	The Town Engineer reviews proposed soil erosion and sediment control measures to ensure compliance with the CTDEEP 2024 Guidelines for Soil	Implement plan	Planning and Zoning, Wetlands,		June 30, 2018-ongoing throughout permit term.	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Due**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
l coordination in site plan review and approval		Erosion and Sediment Control. Third party peer reviews are occasionally utilized. Typically, the Planning and Zoning and the Environmental Planner will hold bonds for most Planning & Zoning or Inland Wetland and Watercourse Commission Applications.		Town Engineer			
4-3 Review site plans for stormwater quality concerns	Completed	Site plans are reviewed for compliance with the contractor's Stormwater Management Plan.	Review revised plans for MS4 compliance, and issue review comments.	Planning and Zoning, Wetlands, Engineering Dept.		July 1, 2017-ongoing throughout permit lifetime.	Projects are reviewed for compliance with the 2024 CTDEEP Stormwater Quality Manual.
4-4 Conduct site inspections	Completed	The Planning and Zoning staff and/or the Environmental Planner conduct inspections, typically once soil erosion measures are installed, as well as periodically throughout construction.	Document inspections and actions.	Planning and Zoning, Environmental Planner		Ongoing throughout permit lifetime.	
4-5 Implement procedure to allow public comment on site development	Completed	The Town continues to receive public input on development projects through various avenues, including public hearings, online permitting processes, citizen comment periods, planning and zoning (P&Z) recorded meetings, posted agendas and minutes, notifications of all public hearings, decisions, and agendas, or phone communications	Provide an opportunity for public comment/ involvement	Planning and Zoning, Wetlands		July 1, 2017-ongoing throughout permit lifetime.	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Due**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Completed	Brochures and flyers are posted throughout applicable departments pertaining to the DEEP construction stormwater permit. Additionally, resources such as the Stowmater and You page are listed near the Planning and Zoning and IWW application forms.	Include comments to applications.	Planning and Zoning, Wetlands		July 1, 2017-ongoing throughout permit lifetime.	The Town is now requiring a survey before any building or structure shall be erected, installed, added to, or structurally altered.
Additional BMP: 4-7 Require Waste Control on-site	Completed	On-site waste control is required throughout the entirety of the Town of Wallingford, regardless of new development and/or construction. Ordinance No. 190 makes provision for the safe and sanitary disposal of all solid wastes, which are generated within the Town boundaries.	Notify developers about DEEP permitting obligations.	Department of Public Works		Adopted in January of 2007-ongoing throughout permit lifetime.	

2024 Construction Site Inspections
Two construction sites were found to have sediment and erosion control issues in 2024. 1) 988 East Center Street: Possible dirt & gravel entering a catch basin. Driveway apron was paved by owner to reduce material tracking. 2) 86 Barnes Road & 929 North Main St Ext: construction of self-storage units on adjacent lots with same owner. Inland Wetlands & Watercourses Commission issued Cease & Desist order & Notice of Violation when land was cleared without installation of sediment and erosion controls. Owner complied with directives and both Cease & Desist order & violation were released by the Commission.

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

The Town will continue to review and evaluate sedimentation and erosion control requirements and conduct inspections of construction sites.

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**	**Due**	**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	Completed	Regulations exist and are utilized for the enforcement of runoff reduction.	Requisite legal authority established	Planning and Zoning, Wetlands.	July 1, 2022	December 14, 2021	Wallingford Zoning Regulations
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Completed	Regulations are enforced by the Planning and Zoning Department	Enforce regulations and guidelines of LID and runoff reductions.	Planning and Zoning	July 1, 2022	July 1, 2019-ongoing throughout permit term.	
5-3 Identify retention and detention ponds in priority areas	Completed	All detention, retention, and sediment basins have been identified for the Town. Inspections are completed annually and cleaned where basins are found to have 50% of sediment in excess.	Compile a list and complete mapping of Town-owned detention basins.	Engineering	July 1, 2020	July 1, 2019-ongoing throughout permit lifetime.	
5-4 Implement long-term maintenance plan for stormwater basins and	Completed	The Department of Public Works and Engineering department coordinate inspections of basins on an annual basis, and facilitate maintenance on an as-needed basis.	Annually inspect and maintain facilities.	Engineering, Department of Public Works.		July 1, 2019-ongoing throughout permit lifetime.	

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
treatment structures							
5-5 DCIA mapping	Completed	The Town's DCIA was calculated with assistance from Nathan L Jacobson & Associates. DCIA is available in GIS format	DCIA Mapped	Engineering	July 1, 2020	June 2019	
5-6 Address post-construction issues in areas with pollutants of concern	Completed	In post-construction areas, if erosion or high accumulation of sedimentation are found during the annual inspections conducted under the long-term maintenance plan, the Town will prioritize these areas for DCIA retrofit projects.	Address post-construction areas where erosion or high accumulation of sedimentation are found during annual inspections.	Engineering		July 1, 2020-ongoing throughout permit lifetime.	

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

The Town will continue to monitor, clean, and repair settling/sitting basins, catch basins, outfalls, swales, etc.

5.3 Post-Construction Stormwater Management reporting metrics

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

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	573.76 acres
DCIA disconnected (redevelopment plus retrofits)	0%
Retrofit projects completed	0
DCIA disconnected	0 acres
Estimated cost of retrofits	N/A
Detention or retention ponds identified	20 Total

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

The DCIA Mapping was conducted in substantial accordance with the methodologies presented in the October 25, 2017 UConn CLEAR Webinar entitled CT MS4 Mapping Details, Clarifications and Tools, the October 19, 2018 UConn CLEAR Workshop entitled CT MS4 Mapping Workshop as well as information contained in the EPA reference entitled Estimating Change in Impervious Area (IA) and Directly Connected Impervious Area (DCIA) for Massachusetts Small MS4 Permit utilizing Sutherland equations.

The DCIA computations were prepared utilizing Connecticut Environmental Conditions Online MS4 base mapping prepared by UConn CLEAR.

Impaired waters were determined from the report entitled 2022 Integrated Water Quality Report prepared by the State of Connecticut Department of Energy and Environmental protection.

The method to determine the 2012 baseline DCIA was to first compile the CT DEEP drainage basin characteristics in a Microsoft Excel spreadsheet. Information on the Connecticut Environmental Conditions Online MS4 Mapping was used to determine the impervious area breakdown as Buildings, Roads and Other. For CT DEEP drainage basins that fell in two or more municipalities the advanced mapping tab of Connecticut Environmental Conditions Online was used to delineate and determine the applicable town CT DEEP basin area. It was assumed that the entire drainage basin characteristics were directly proportional to the applicable town CT DEEP drainage basin area.

In that ConnDOT has a MS4 Stormwater Program which applies to state owned roads and facilities which the town has no control over, it was decided that the impervious state road area would be determined and deducted from the total impervious road area for each CT DEEP drainage basin as the impervious road areas associated with state highways and facilities constitutes a considerable portion of the total town impervious road area.

The ConnDOT state highway, parking lot and facility impervious road areas were then determined for each CT DEEP drainage basin. The ConnDOT state highway, parking lot and facility impervious road areas were then deducted from the total town impervious road area to determine a town owned impervious road area for each CT DEEP drainage basin. Subsequent to the above deduction, the total impervious area in acres and percentage was then recomputed for each CT DEEP drainage basin.

The DCIA formula for each of four development types was then utilized to compute the DCIA. The impervious area in acres was assigned to each of the four Sutherland equations, which were modified for the northeastern United State. The Sutherland equation to be utilized was determined using the following methodology:

For impervious percentage less than 6%:
100% of the impervious area was assigned to the slight connectivity Sutherland Equation where DCIA% = 0.01*(IA%)2.0

For an impervious area between 6% and 12 %:
50% of the area was assigned to the partial connectivity Sutherland Equation where DCIA% = 0.04*(IA%)1.7
and
50% was assigned to the average connectivity Sutherland Equation where DCIA% = 0.10*(IA%)1.5

For an impervious area between 12% and 18 %:
50% of the area was assigned to the average connectivity Sutherland Equation where DCIA% = 0.10*(IA%)1.5
and
50% was assigned to the high connectivity Sutherland Equation where DCIA% = 0.40*(IA%)1.2

For an impervious area of greater than 18 %:
100% of the area was assigned to the high connectivity Sutherland Equation where DCIA% = 0.40*(IA%)1.2

The DCIA for each CT DEEP drainage basin was then summed to determine the entire town DCIA. Subsequent to completion of 2012 Baseline DCIA computations, UConn CLEAR Mapping available on Connecticut Environmental Conditions Online (CT ECO) was revised to separate road impervious area into State Road Impervious Area (Acres) and Town Road Impervious Area (Acres).

The original 2012 Baseline DCIA computations were revised utilizing the UConn CLEAR State Road Impervious Area (Acres) and Town Road Impervious Area (Acres).

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**	**Due**	**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	Completed Annually	All Department of Public Works personnel are trained with proper stormwater management procedures and spill control.	Eliminate non-stormwater discharges into the storm sewers.	Department of Public Works	Ongoing beginning July 1, 2019	Ongoing throughout permit lifetime	
6-2 Implement MS4 property and operations maintenance	Completed	The Town utilizes a Spill Response Team through the local fire department. An SPCC plan is also implemented at the DPW facility.	Eliminates/minimizes spills and/or pollutant releases to the environment and navigable waterways.	Department of Public Works, Local Fire Department	Ongoing beginning July 1, 2018	December 31, 2019-ongoing throughout permit lifetime	
6-3 Implement coordination with interconnected MS4s	Completed	Coordination of the MS4 interconnection mapping began in 2019. CTDOT interconnections have been mapped, and coordination between the Town and surrounding areas is ongoing.	Update the GIS system with interconnected locations.	Engineering, Department of Public Works		December 31, 2018-ongoing throughout permit lifetime.	
6-4 Develop/implement program to control other sources of pollutants to the MS4		A Spill Response Team has been developed in the Town utilizing the local fire department.	Reduce other possible pollutants to the MS4.	Department of Public Works, Local Fire Department		Ongoing throughout permit lifetime.	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Due**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-5 Evaluate additional measures for discharges to impaired waters	Ongoing	Wet weather sampling events have been conducted, and priority outfalls were identified throughout the Town. Dry weather inspections are continuing to be conducted for the entirety of the Town.	Actions taken to reduce bacterial discharge to impaired waters.	Engineering		Ongoing-started in 2021.	
6-6 Track projects that disconnect DCIA	Ongoing	A Stormwater Retrofit Program has been drafted, and will be utilized as a method of tracking future DCIA disconnects.	Track DCIA disconnects.	Engineering	Ongoing	Ongoing-drafted in 2021	
6-7 Implement infrastructure repair/rehab program	Ongoing	The Town currently assesses and maintains stormwater structures throughout the Town. The Town implements repairs or rehabilitation on an as-needed basis.	Reduce/eliminate causes or contributions of pollution or contamination of stormwater, the storm drain system, or waters of the U.S.	Department of Public Works, Engineering	July 1, 2021	Ongoing throughout permit lifetime.	
6-8 Develop/implement plan to identify/prioritize retrofit projects	*Ongoing*	A Stormwater Retrofit Program has been drafted. Prioritized areas and/or sites were identified based off DCIA calculations, impaired waterbodies, current stormwater infrastructure.	Develop retrofit projects.	Planning and Zoning, Engineering	July 1, 2020	Ongoing-started in 2021	

BMP	**Status** (Complete, Ongoing, In Progress, or Not started)	**Activities in current reporting period**	**Measurable Goal**	**Department / Person Responsible**	**Due**	**Date completed or projected completion date** (include the start date for anything that is 'in progress')	**Additional details**
6-9 Implement retrofit projects to disconnect 2% of DCIA	Ongoing	As Retrofit Projects are identified, the Town will utilize the Impervious Cover Tracking Sheet to track and work towards disconnecting 2% of DCIA, or the MEP of the Town.	Track and reduce DCIA impacts.	Planning and Zoning, Engineering	July 1, 2022	Ongoing-started in 2021	
6-10 Develop/implement street sweeping program	Completed annually	All streets are swept at least once a year to remove sand and/or other debris.	Track swept lane miles.	Department of Public Works.	Ongoing beginning July 1, 2018	Completed Annually	
6-11 Develop/implement catch basin cleaning program	Completed	The Town inspects approximately 1,000 catch basins a year. If a catch basin is found to have a sediment load of 50% or greater, then the sediment is removed.	Track material usage, and update plan as needed.	Department of Public Works.	Ongoing beginning July 1, 2020	Completed Annually	
6-12 Develop/implement snow management practices (Due 7/1/18)	Completed	Snow management is implemented on an annual basis. Department of Public Works staff are aware of risks associated with snow distribution as well as the potential effects of runoff. Generally, excess snow is staged at the property in which it is managed, and/or on the sides of	Track material usage, and update plan as needed.	Department of Public Works	Ongoing beginning July 1, 2018	Completed Annually	

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
		roadways. Excess snow is transported and disposed of at the Town's Garden Road property.					
Additional BMP: 6-13 New Road Construction Projects	Completed	The Town has implemented the use of sheet flow drainage in an effort to eliminate or reduce the use of catch basins. This sheet flow drainage will be utilized as a BMP when road re-paving is underway.	Reduce pollutants to the MS4, specifically sediment overload.	Department of Public Works		As needed	Reason for addition: Reduce sedimentation of waterways

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

1. The Town will continue to conduct annual stormwater compliance training.
2. The Town will continue to assess and implement stormwater system repairs/rehabilitation as needed.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	December 2024
Street sweeping	
Curb miles swept	All roads swept
Volume (or mass) of material collected	TBD
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	8,912
Total catch basins town- (or institution-) wide	9,280

Catch basins inspected	TBD
Catch basins cleaned	TBD
Volume (or mass) of material removed from all catch basins	TBD
Volume removed from catch basins to impaired waters (if known)	TBD
Snow management	
Type(s) of deicing material used	TBD
Total amount of each deicing material applied	TBD
Type(s) of deicing equipment used	TBD
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	TBD
Snow disposal location	TBD
Staff training provided on application methods & equipment	TBD
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	Service provided by vendor per specifications
Reduction in turf area (since start of permit)	Service provided by vendor per specifications
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	TBD

6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program.
Approximately 1,000 catch basins are inspected by the Department of Public Works on an annual basis. Catch basins that are found with over a 50% sediment load are cleaned. Catch basins in priority areas as well as catch basins with known historical issues are focused on. A limited amount of staff and equipment perform this task.

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 Stormwater Retrofit Program was drafted by the Town and Atlas in 2021. The Program was designed to provide guidance on implementing LID, runoff reduction measures, or other means to disconnect or improve stormwater quality. To meet the 2% MEP disconnection goal, DCIA calculations, Urbanized areas, Impaired Waterbodies, and Catchment Rankings were utilized in identifying and prioritizing areas and/or projects to be selected for retrofits. DCIA by Catchment was identified utilizing the following formulas:

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)

High Connectivity
DCIA%=0.4*(IA %)^1.2
Directly Connected Area= (DCIA)(IC Acres)

Average Connectivity
DCIA%=0.1*(IA%)^1.5
Directly Connected Area= (DCIA)(IC Acres)

Partial Connectivity
DCIA%=0.04*(IA%)^1.7
Directly Connected Area= (DCIA)(IC Acres)

Slight Connectivity
DCIA%=0.01*(IA%)^2.0
Directly Connected Area= (DCIA)(IC Acres)

The Average Connectivity calculation was utilized in assessing the Town's DCIA connectivity, based on the majority of land use defined as agricultural and/or rural, minor residential communities, and minor-to-moderate commercial or industrialized areas. Based on the Average Connectivity calculations for each catchment, no catchments were identified with a connectivity of 11% or greater.

Catchments were then prioritized utilizing the total urbanized area per catchment. Atlas was provided with a shapefile of the 2010 Urbanized Areas for the Town from the 2010 Census or Urban Classifications, which was imported into ArcGIS for calculation purposes. Utilizing the Overlay-Intersect Tool, Atlas was able to extract the total Urbanized Area acreage per catchment, and then calculate the Urbanized area percentage per catchment utilizing the following formula:

*Urbanized Area (Ac.)/Basin Total Acreage*100*

Based on these calculations, 72 catchments were identified with Urbanized Areas.

20 catchments containing impaired waterbodies were identified for the Town.

Catchment Priority Rankings were conducted for all Sub-Basins in the Town. Multiple factors were taken into consideration when scoring each catchment, including but not limited to DCIA calculations, previous screening results, age of development/structures, density of generating sites, nearby sewer repairs, urbanized areas, and impaired waterbodies. 66 catchments were identified as Problem or High Priority.

Specific criteria was utilizing in defining priority areas for the implementation of non-municipal retrofit projects. The criteria utilized in defining priority areas of non-municipal retrofit projects included High or Problem catchment priority rankings, catchments containing an impaired waterbody, and catchments identified with an urbanized area. Utilizing ArcGIS, Atlas extracted catchments where two (2) or more of the aforementioned criteria were found. Community outreach or project redevelopment is encouraged in these defined catchments.

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)
Municipal-owned retrofit projects were identified for several schools, and other municipal-owned sites such as the Fire Department, Town Hall, etc. These locations were selected based on location and plausibility of future disconnects. Refer to the Stormwater Retrofit Program, supplied in the 2021 annual report, for further information on these 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 Stormwater Retrofit Program, included in the Town of Wallingford's 2021 MS4 Annual Report, is designed to comply with *Section (6) (B) (ii)* of the CTDEEP 2017-2022 MS4 Permit. The Town of Wallingford will work towards disconnecting existing DCIA. The initial focus of the Stormwater Retrofit Program will first be applied to Town-owned properties, parks, and other facilities, followed by a focus of non-municipal facilities, parks, communities, or other redevelopments. Progress towards the DCIA disconnects will be tracked and continuously updated, with a goal to disconnect one percent (1%) of DCIA or to the MEP each year following the fifth year of the MS4 permit. Furthermore, the Planning and Zoning Department has initiated the requirement of all Planning and Zoning applicants to submit their DCIA reduction calculations with their applications in 2022. Several proposed projects will be reducing DCIA; however, construction for these sites have not yet been completed.

Part II: Impaired waters investigation and monitoring

1. **Impaired waters investigation and monitoring program**
   For details on this requirement, visit https://nemo.uconn.edu/2020/02/26/monitoring-requirement-for-bacteria-impaired-uwaters/. 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.
The Town of Wallingford has completed all dry weather inspections and wet weather screening at outfalls to impaired waterbodies. In addition, twelve (12) priority outfall were selected for continued sampling and have been sampled since 2022. A total of twenty five (25) follow-up investigations were conducted in 2024, ten (10) of which concluded that no further investigation was warranted. The remaining 23 investigations were inconclusive and will required follow-up investigation in 2025. Dry weather inspections were conducted at fourteen (14) outfalls in 2024. None of the dry weather inspections in 2024 found evidence of illicit discharges.

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 https://nemo.uconn.edu/2020/02/26/monitoring-requirement-for-bacteria-impaired-waters/ . 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? ***
Wet Weather screening data is provided as Attachement 1						

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**
A summary of follow up investigations is provided in Attachment 2		

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)
Prioritized outfall monitoring table is provided as Attachement 3					

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
Priority ranking of catchment data is included as Attachment 4		

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

For details on this requirement, visit https://nemo.uconn.edu/2020/02/26/monitoring-requirement-for-bacteria-impaired-waters/. 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. 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 (mg/L)	Chlorine (mg/L)	Conductivity (umhos/cm)	Salinity (ppt)	E. coli or enterococcus (MPN/100 mL)	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
Dry weather screening and sampling data included as Attachment 5											

2.2 Wet weather sample and inspection data

For details on this requirement, visit https://nemo.uconn.edu/2020/02/26/monitoring-requirement-for-bacteria-impaired-waters/. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide sample data for outfalls and key junction manholes of any catchment 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

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

For details on this requirement, https://nemo.uconn.edu/2020/02/26/monitoring-requirement-for-bacteria-impaired-waters/. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart. **Appendix III** contains assessment data and observations collected during catchment investigation activities.

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
No IDDE Catchment Investigations were conducted in 2024		
The Town of Wallingford's sanitary sewer is currently managed by the Town of Wallingford's Water Pollution Control Authority (WPCA). The storm sewer and sanitary sewer have historically been separate, and remain so in the present day. Therefore, SVFs 4, 5, 6, 7, 8, and 9 are not applicable to the Town. Other SVFs are currently under investigation, and will be updated in the next annual report. These investigations include coordination between the Wallingford WPCF and the Town of Wallingford Health Department.		

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 that 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 that poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

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
No key junction manhole inspected in 2024						
The identification of key junction manholes that may narrow the location of suspected illicit discharges or SSOs to an isolated pipe segment between two manholes, or key junction manholes that may be located or show evidence of illicit discharges or SSOs that may not be evident at the outfall under all circumstances, or to confirm or identify potential system vulnerability factors is underway. Once identified, these key junction manholes will be inspected during dry weather events for evidence of illicit discharges or SSOs.						

3.3 Wet weather investigation outfall sampling data

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
No IDDE Catchment Investigations were conducted in 2024					
Following the identification of key junction manholes during dry weather inspections, follow-up wet weather sampling will be completed where inspections indicate the presence of one or more SVF, SSO, or illicit discharge.					

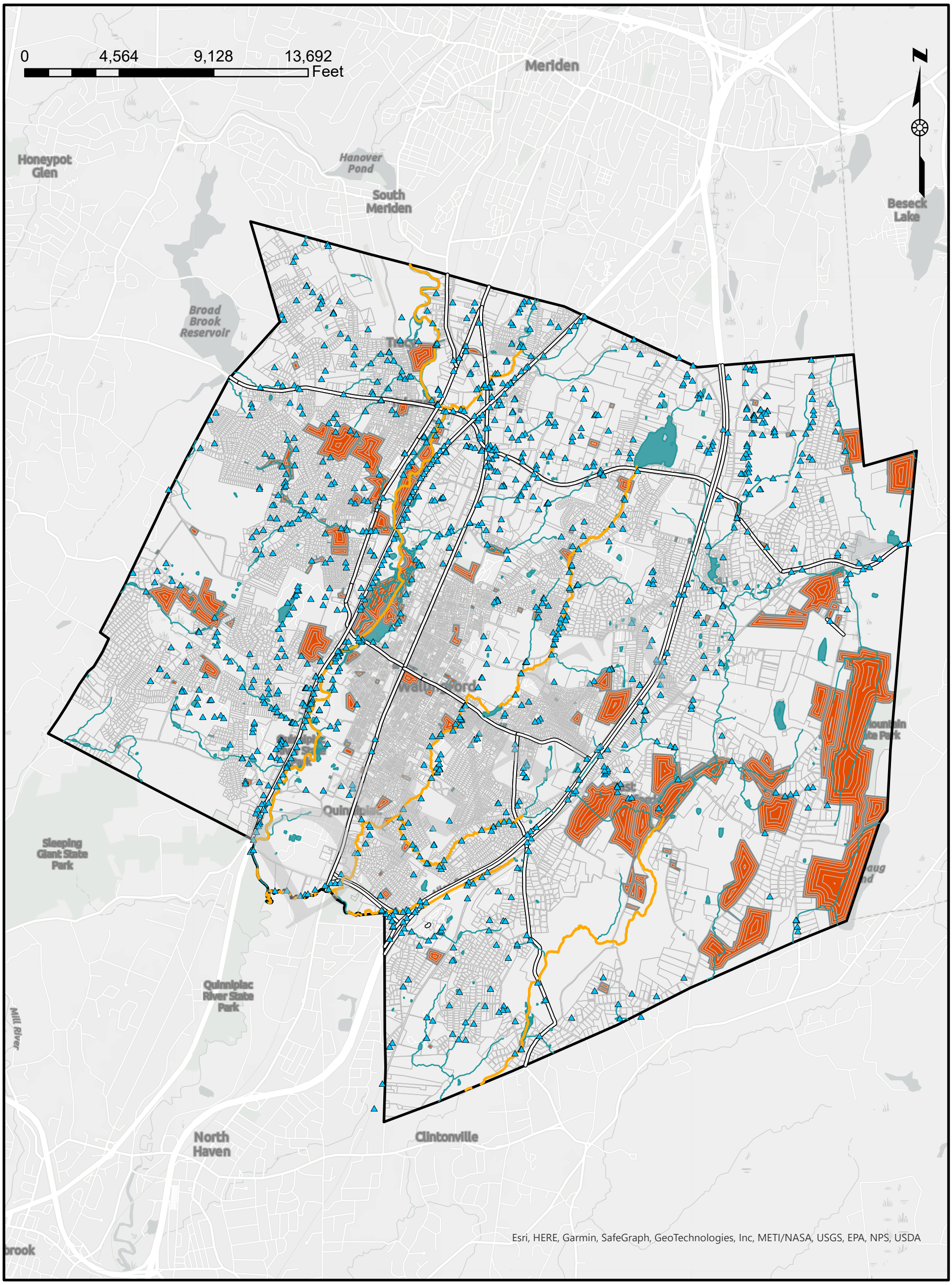
3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed
No IDDE Catchment Investigations were conducted in 2024							

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: Vincent Cervoni	Print name: Ron Severson, Senior Compliance Manager, Atlas
Signature / Date:	Signature / Date:
Email: mayor@wallingfordct.gov	Email: Ron.Severson@oneatlas.com



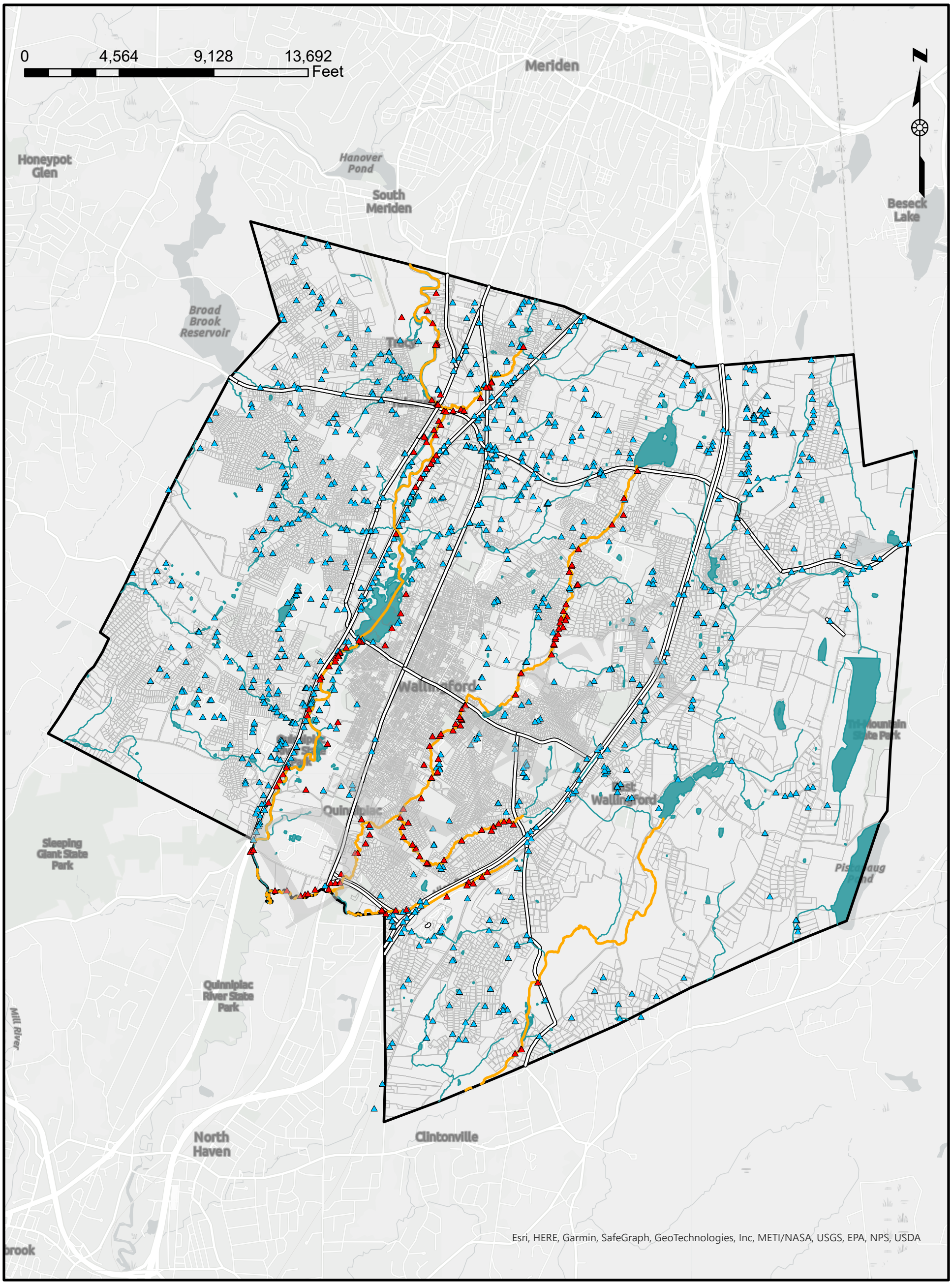
Legend

- Outfall
- Impaired Waterbody
- Surface Water
- State Road
- Town Line
- Parcel
- Town-Owned Properties

Town of Wallingford

2024 Annual Report
Detailed MS4 System

ATLAS
290 Roberts Street, Suite 301
East Hartford, CT 006108



Legend

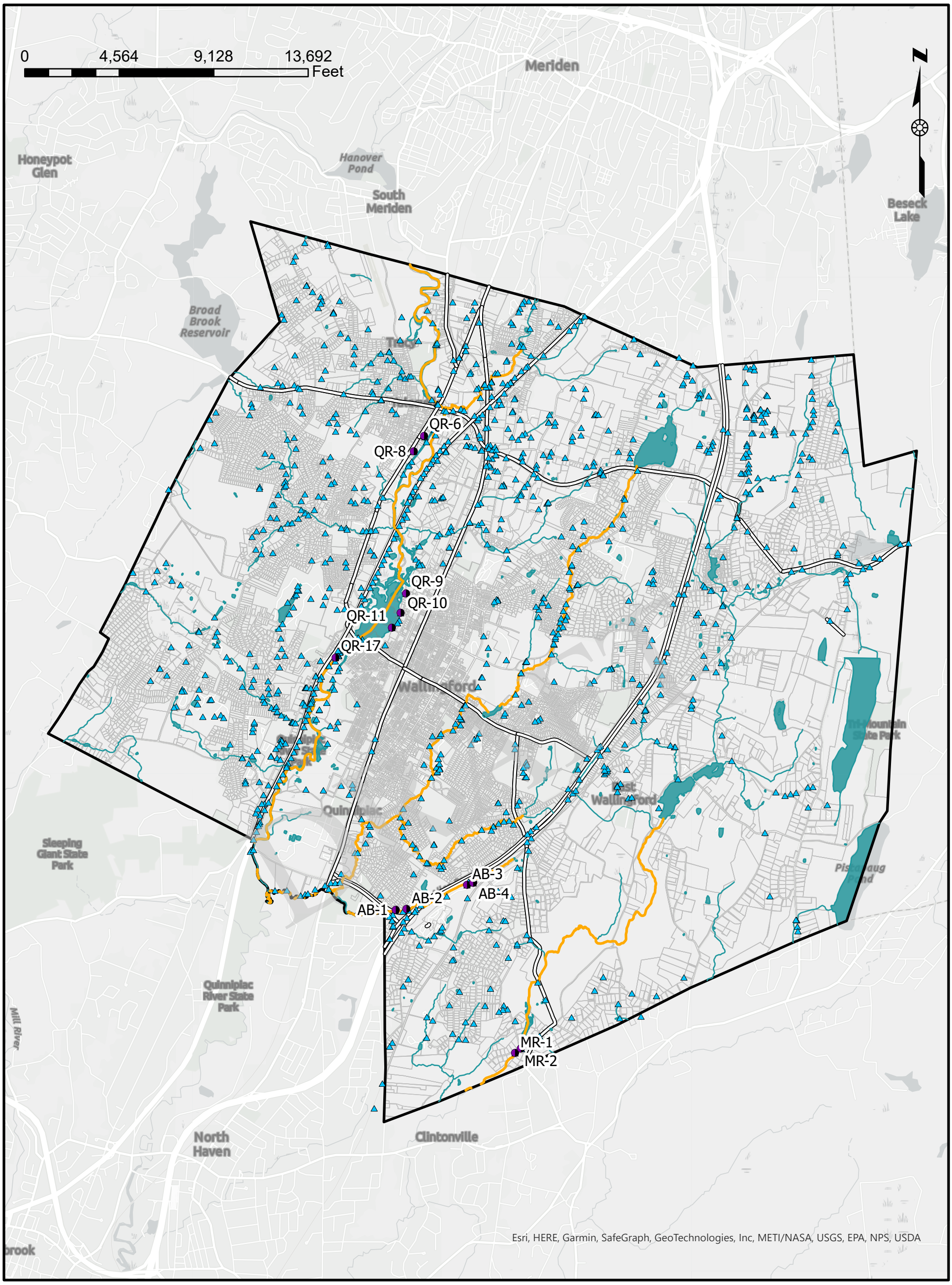
- Outfall
- Outfall to Impaired Waters
- Impaired Waterbody
- Surface Water
- State Road
- Town Line
- Parcel

Town of Wallingford

2024 Annual Report

Outfalls to Impaired Waters

ATLAS
290 Roberts Street, Suite 301
East Hartford, CT 006108



Legend

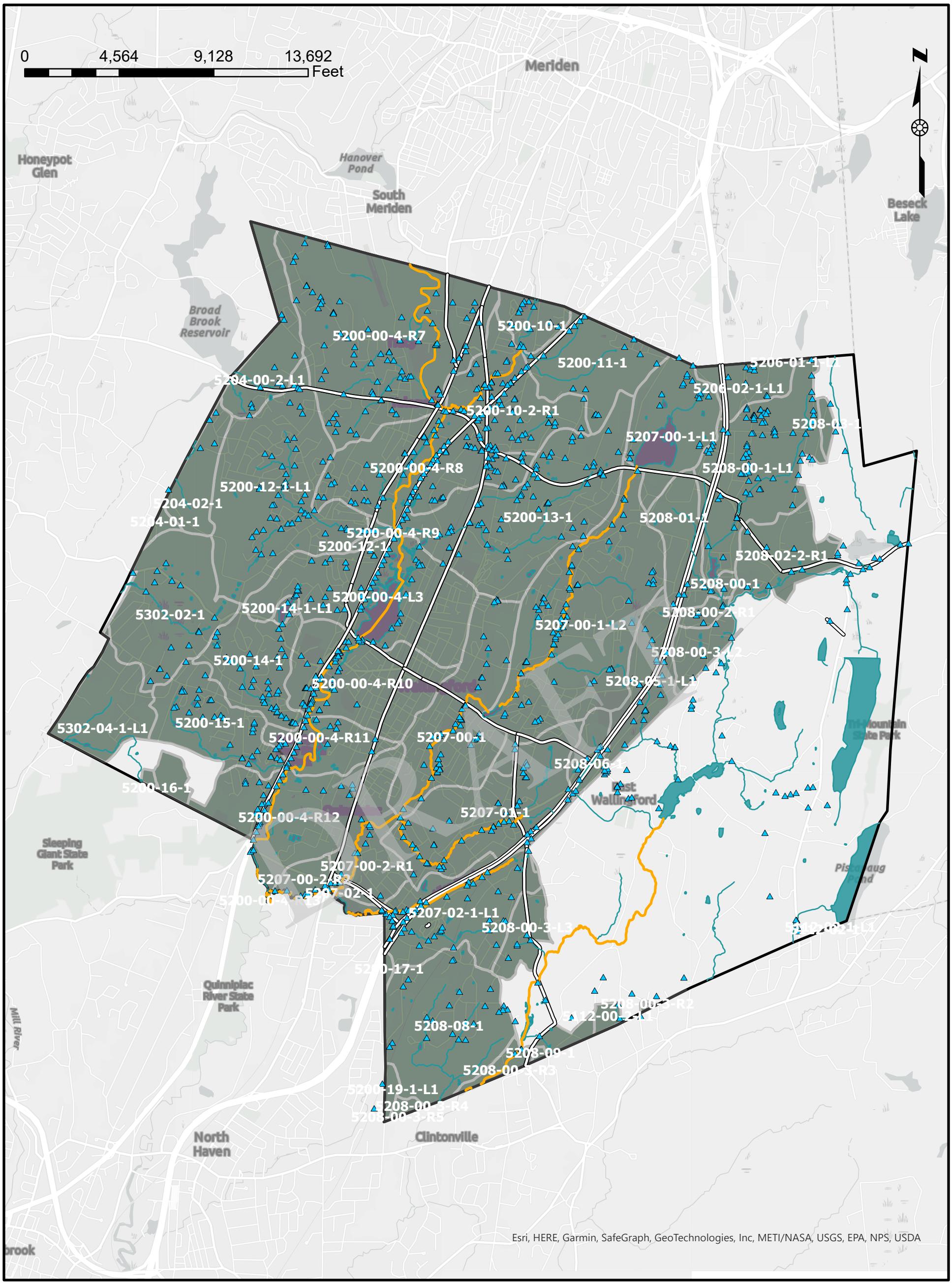
- Priority Outfall
- Outfall
- Impaired Waterbody
- Surface Water
- State Road
- Town Line
- Parcel

Town of Wallingford

2024 Annual Report

Priority Outfalls

ATLAS
290 Roberts Street, Suite 301
East Hartford, CT 006108



Legend

- Outfall
- Impaired Waterbody
- Surface Water
- State Road
- Town Line

Town of Wallingford

2024 Annual Report

Urbanized Area By Catchment

ATLAS
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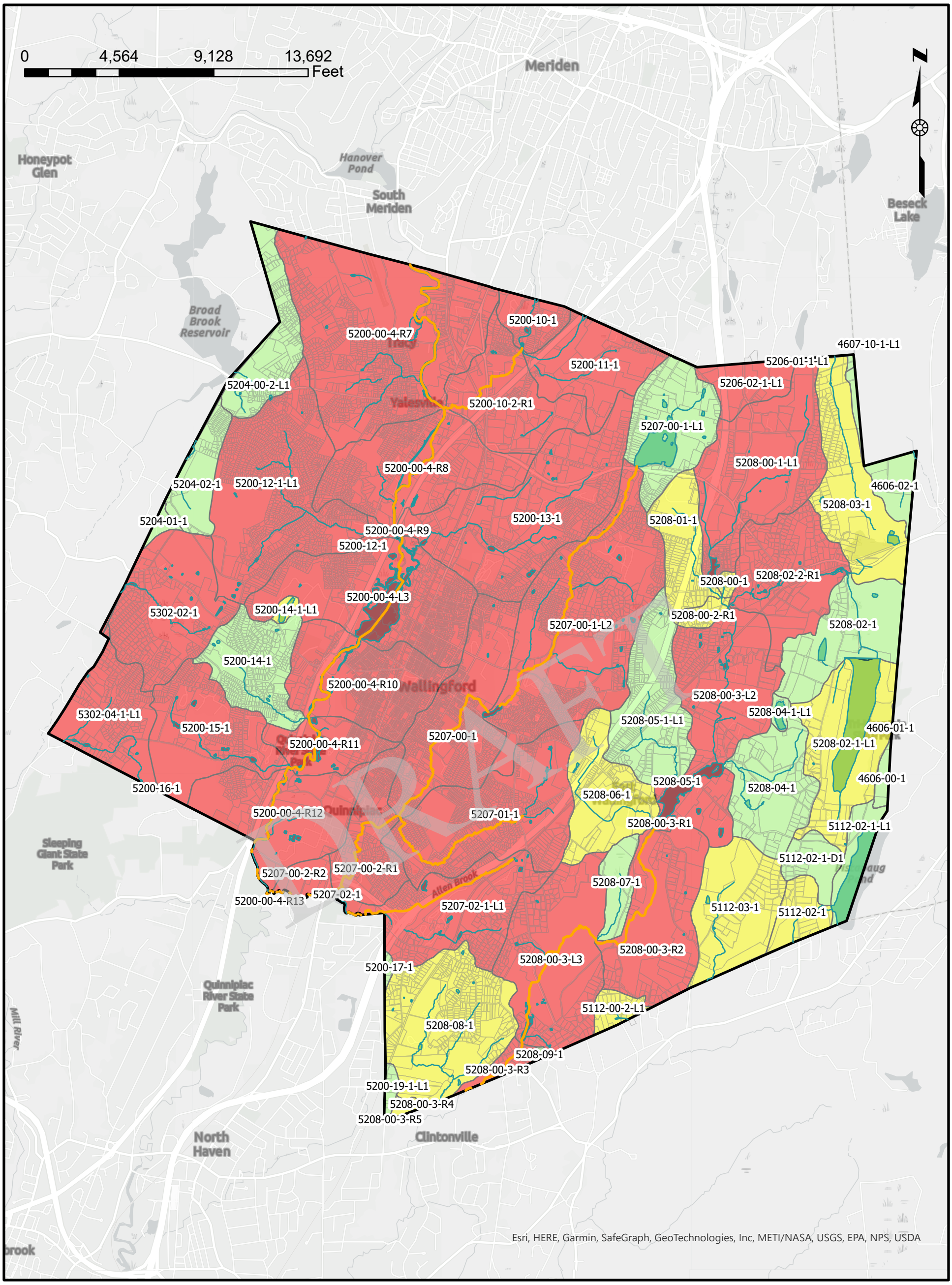
East Hartford, CT 006108



Legend

- Impaired Waterbody
- Surface Water
- Town Line
- Parcel

Priority Ranking

- High Priority
- Problem
- Low Priority

Town of Wallingford

2024 Annual Report

Catchment Priority Ranking

ATLAS
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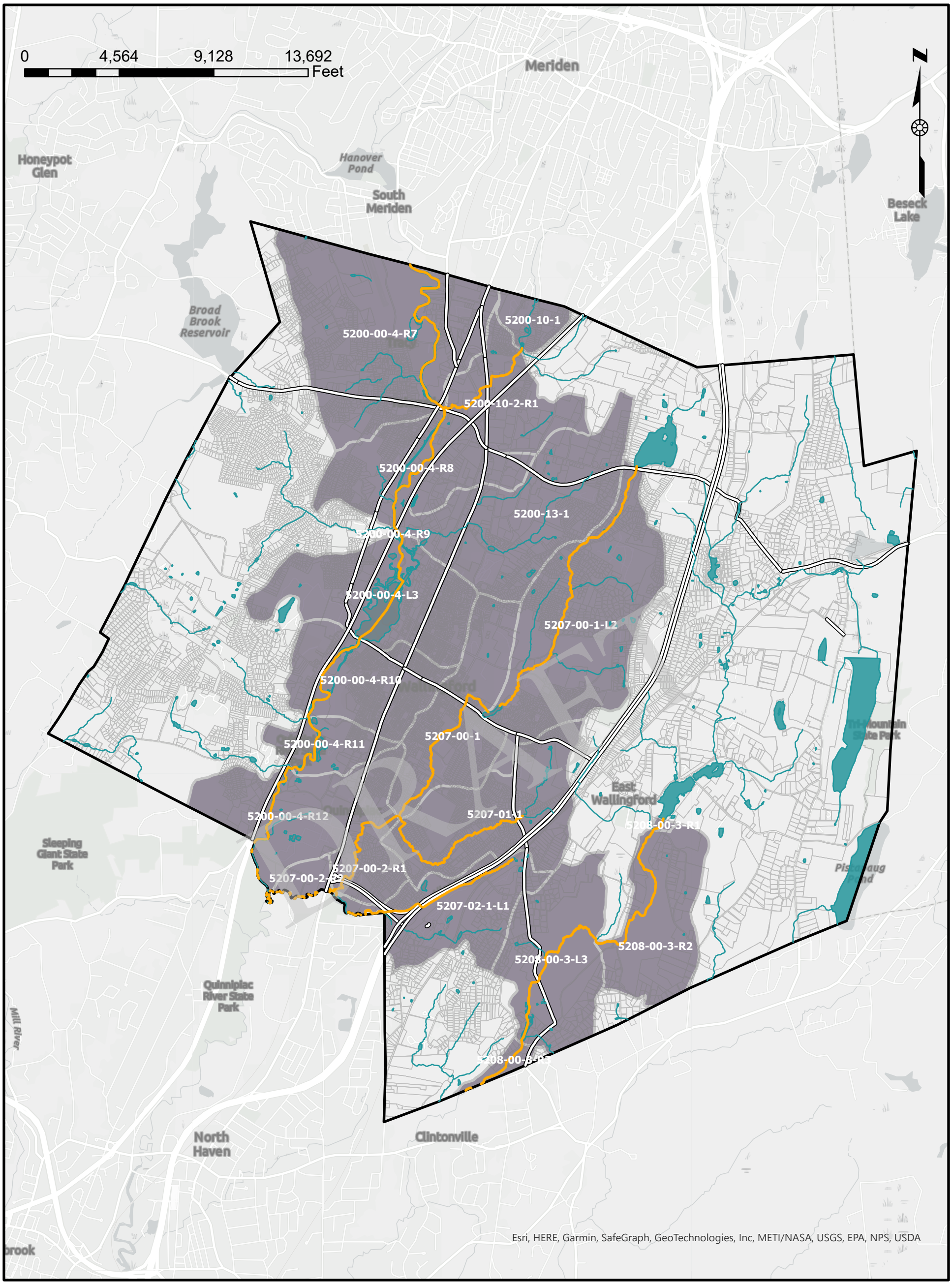


Legend

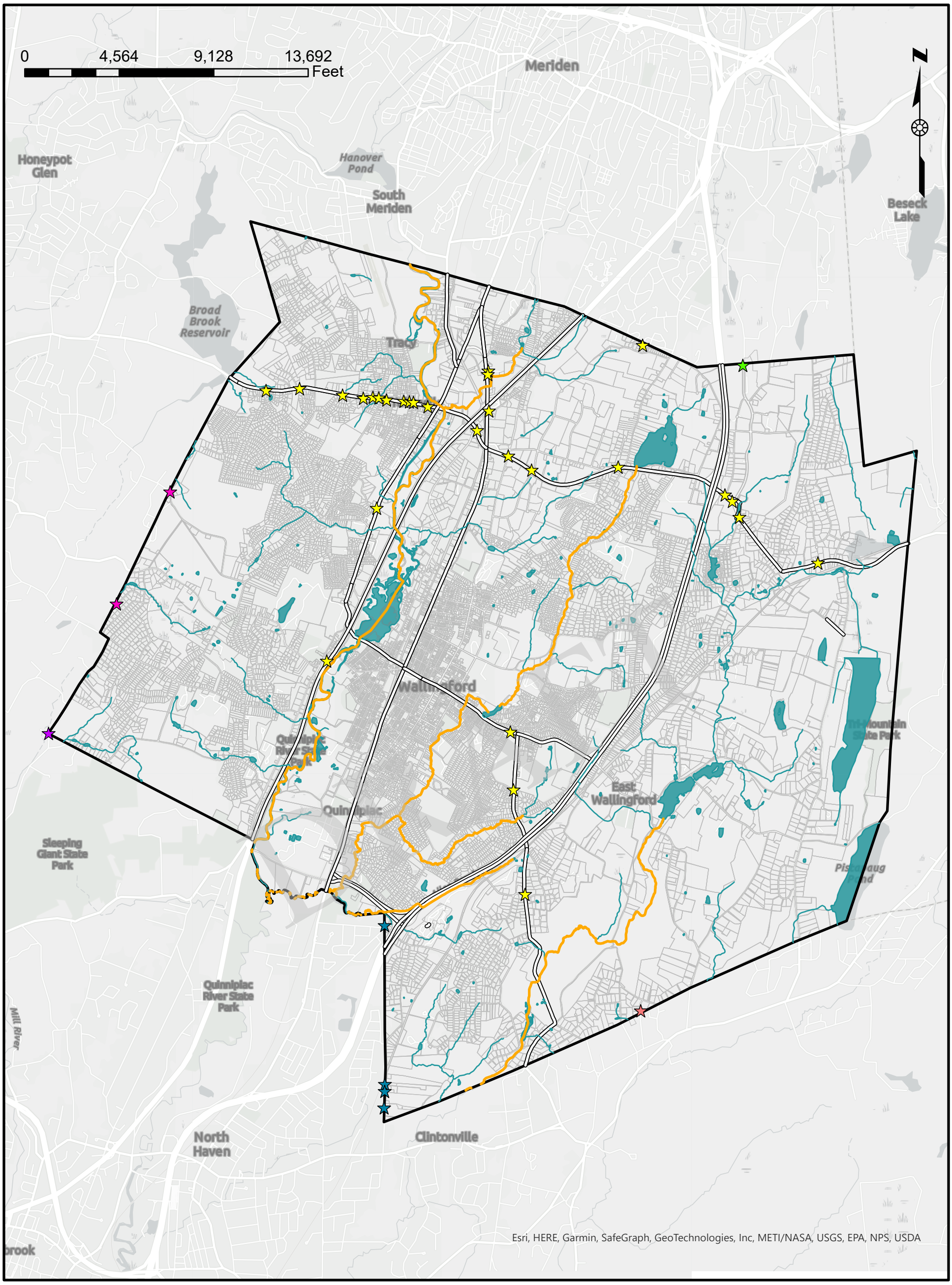
- Impaired Waterbody
- Surface Water
- State Road
- Town Line
- Parcel

Town of Wallingford

2024 Annual Report

Impaired Waters by Catchment

ATLAS
290 Roberts Street, Suite 301
East Hartford, CT 006108



Legend

- Impaired Waterbody
- Surface Water
- State Road
- Town Line
- Parcel

Interconnections

- CTDOT
- Cheshire
- Hamden
- Meriden
- North Haven
- Northford

Town of Wallingford

2024 Annual Report

MS4 Interconnections

ATLAS
290 Roberts Street, Suite 301
East Hartford, CT 006108

Town of Wallingford
Wet Weather Sampling
Outfalls to Impaired Waterbodies
2019-2024

Outfall ID	Inspection Date	Pollutant Parameter (Nitrogen, Phosphorous, Bacteria, Other)	Results			Laboratory	Follow-Up Required?	Longitude	Latitude
			E. Coli (MPN/100mL)	Total Coliform (MPN/100mL)	Other				
2019									
LH-2	6/10/2019	Other	--	--	Turbidity: <5 NTU	N/A	No	-72.824375	41.435775
LH-3	6/10/2019	Other	--	--	**Turbidity: 19.32 NTU**	N/A	Yes	-72.824212	41.434435
LH-6	6/10/2019	Other	--	--	**Turbidity: 10.67 NTU**	N/A	Yes	-72.820112	41.43099
LH-7	6/10/2019	Other	--	--	**Turbidity: 9.67 NTU**	N/A	Yes	-72.819874	41.430894
LH-8	6/10/2019	Other	--	--	**Turbidity: 23.99 NTU**	N/A	Yes	-72.817063	41.431369
LH-9	6/10/2019	Other	--	--	**Turbidity: 7.32 NTU**	N/A	Yes	-72.813953	41.433966
MR-2	6/10/2019	Other	--	--	Turbidity: 0.16 NTU	N/A	No	-72.803502	41.406323
MR-3	6/10/2019	Other	--	--	Turbidity: 0.01 NTU	N/A	No	-72.803362	41.406275
WB-48	6/10/2019	Other	--	--	Turbidity: 0.48 NTU	N/A	No	-72.832283	41.432293
WB-28	6/10/2019	Other	--	--	**Turbidity: 5.86 NTU**	N/A	Yes	-72.814351	41.450357
WB-29	6/10/2019	Other	--	--	**Turbidity: 47.02 NTU**	N/A	Yes	-72.81413	41.450074
WB-30	6/10/2019	Other	--	--	**Turbidity: 45.02 NTU**	N/A	Yes	-72.813939	41.449968
WB-31	6/10/2019	Other	--	--	**Turbidity: 16.3 NTU**	N/A	Yes	-72.814191	41.44924
WB-33	6/10/2019	Other	--	--	**Turbidity: 11.6 NTU**	N/A	Yes	-72.815494	41.448559
QR-11	6/10/2019	Other	--	--	**Turbidity: 17.59 NTU**	N/A	Yes	-72.826282	41.462104
QR-12	6/10/2019	Other	--	--	**Turbidity: 6.62 NTU**	N/A	Yes	-72.827471	41.459841
WB-11	6/25/2019	Other	--	--	Turbidity: 3.6 NTU	N/A	No	-72.795415	41.463681
WB-17	6/25/2019	Other	--	--	Turbidity: 3.1 NTU	N/A	No	-72.797429	41.460981
WB-18	6/25/2019	Other	--	--	**Turbidity: 6.8 NTU**	N/A	Yes	-72.797471	41.460693
WB-20	6/25/2019	Other	--	--	**Turbidity: 6.1 NTU**	N/A	Yes	-72.797676	41.459926
WB-21	6/25/2019	Other	--	--	**Turbidity: 10.6 NTU**	N/A	Yes	-72.798128	41.458646
WB-22	6/25/2019	Other	--	--	**Turbidity: 17.4 NTU**	N/A	Yes	-72.803508	41.45617
WB-23	6/25/2019	Other	--	--	**Turbidity: 44.1 NTU**	N/A	Yes	-72.803435	41.456125
WB-34	6/25/2019	Other	--	--	**Turbidity: 61.5 NTU**	N/A	Yes	-72.81763	41.448097
WB-35	6/25/2019	Other	--	--	**Turbidity: 107.4 NTU**	N/A	Yes	-72.81389703	41.45141784
QR-13	6/25/2019	Other	--	--	**Turbidity: 16.2 NTU**	N/A	Yes	-72.835459	41.458836
QR-15	6/25/2019	Other	--	--	**Turbidity: 14.6 NTU**	N/A	Yes	-72.835647	41.458434
QR-16	6/25/2019	Other	--	--	**Turbidity: 14.8 NTU**	N/A	Yes	-72.835737	41.458395
QR-17	6/25/2019	Other	--	--	**Turbidity: 46.8 NTU**	N/A	Yes	-72.836198	41.458125
QR-23	6/25/2019	Other	--	--	**Turbidity: 44.1 NTU**	N/A	Yes	-72.85964	41.432676
LH-12	6/25/2019	Other	--	--	**Turbidity: 26.9 NTU**	N/A	Yes	-72.808388	41.435807

Town of Wallingford
Wet Weather Sampling
Outfalls to Impaired Waterbodies
2019-2024

Outfall ID	Inspection Date	Pollutant Parameter (Nitrogen, Phosphorous, Bacteria, Other)	Results			Laboratory	Follow-Up Required?	Longitude	Latitude
			E. Coli (MPN/100mL)	Total Coliform (MPN/100mL)	Other				
2020									
WB-1	3/13/2020	Other	--	--	**Turbidity: 19.48 NTU**	N/A	Yes	-72.782988	41.482996
WB-2	3/13/2020	Other	--	--	**Turbidity: 13.35 NTU**	N/A	Yes	-72.785385	41.479369
WB-3	3/13/2020	Other	--	--	**Turbidity: 10.57 NTU**	N/A	Yes	-72.785469	41.477169
WB-4	3/13/2020	Other	--	--	**Turbidity: 8.67 NTU**	N/A	Yes	-72.78749	41.475873
WB-5	3/13/2020	Other	--	--	**Turbidity: 12.56 NTU**	N/A	Yes	-72.793405	41.472614
WB-6	3/13/2020	Other	--	--	**Turbidity: 8.83 NTU**	N/A	Yes	-72.794556	41.470504
WB-7	3/13/2020	Other	--	--	**Turbidity: 8.83 NTU**	N/A	Yes	-72.794619	41.470374
WB-8	3/13/2020	Other	--	--	**Turbidity: 9.29 NTU**	N/A	Yes	-72.795031	41.469592
WB-12	3/13/2020	Other	--	--	**Turbidity: 160.9 NTU**	N/A	Yes	-72.795656	41.463192
WB-13	3/13/2020	Other	--	--	**Turbidity: 17.24 NTU**	N/A	Yes	-72.796111	41.46227
WB-14	3/13/2020	Other	--	--	**Turbidity: 12.06 NTU**	N/A	Yes	-72.796459	41.463438
WB-16	3/13/2020	Other	--	--	**Turbidity: 24.19 NTU**	N/A	Yes	-72.79688	41.461334
WB-18	3/13/2020	Other	--	--	**Turbidity: 31.11 NTU**	N/A	Yes	-72.797471	41.460693
WB-20	3/13/2020	Other	--	--	Turbidity: 1.61 NTU	N/A	No	-72.797676	41.459926
WB-21	3/13/2020	Other	--	--	Turbidity: 2.19 NTU	N/A	No	-72.798128	41.458646
WB-22	3/13/2020	Other	--	--	**Turbidity: 19.91 NTU**	N/A	Yes	-72.893598	41.45617
WB-23	3/13/2020	Other	--	--	**Turbidity: 18.63 NTU**	N/A	Yes	-72.803435	41.456125
WB-24	3/13/2020	Other	--	--	**Turbidity: 11.18 NTU**	N/A	Yes	-72.804466	41.453328
WB-25	3/13/2020	Other	--	--	**Turbidity: 25.61 NTU**	N/A	Yes	-72.813452	41.452907
WB-26	3/13/2020	Other	--	--	**Turbidity: 10.61 NTU**	N/A	Yes	-72.813353	41.451921
WB-27	3/13/2020	Other	--	--	**Turbidity: 90.81 NTU**	N/A	Yes	-72.813388	41.45189
WB-28	3/13/2020	Other	--	--	**Turbidity: 11.24 NTU**	N/A	Yes	-72.814351	41.450357
WB-29	3/13/2020	Other	--	--	**Turbidity: 38.57 NTU**	N/A	Yes	-72.81413	41.450074
WB-30	3/13/2020	Other	--	--	**Turbidity: 9.16 NTU**	N/A	Yes	-72.813939	41.449968
WB-31	3/13/2020	Other	--	--	**Turbidity: 22.50 NTU**	N/A	Yes	-72.814191	41.44924
WB-32	3/13/2020	Other	--	--	**Turbidity: 22.46 NTU**	N/A	Yes	-72.815047	41.449435
WB-33	3/13/2020	Other	--	--	**Turbidity: 20.65 NTU**	N/A	Yes	-72.824277	41.438152
WB-34	3/13/2020	Other	--	--	**Turbidity: 20.72 NTU**	N/A	Yes	-72.81763	41.448097
WB-35	3/13/2020	Other	--	--	**Turbidity: 20.68 NTU**	N/A	Yes	-72.81389703	41.45141784
WB-36	3/13/2020	Other	--	--	**Turbidity: 20.44 NTU**	N/A	Yes	-72.819608	41.446483
WB-37	3/13/2020	Other	--	--	**Turbidity: 10.12 NTU**	N/A	Yes	-72.818079	41.444777
WB-38	3/13/2020	Other	--	--	**Turbidity: 15.64 NTU**	N/A	Yes	-72.82061	41.44401
WB-39	3/13/2020	Other	--	--	**Turbidity: 12.63 NTU**	N/A	Yes	-72.818226	41.443093
WB-41	3/13/2020	Other	--	--	**Turbidity: 15.96 NTU**	N/A	Yes	-72.819275	41.442284

Town of Wallingford
Wet Weather Sampling
Outfalls to Impaired Waterbodies
2019-2024

Outfall ID	Inspection Date	Pollutant Parameter (Nitrogen, Phosphorous, Bacteria, Other)	Results			Laboratory	Follow-Up Required?	Longitude	Latitude
			E. Coli (MPN/100mL)	Total Coliform (MPN/100mL)	Other				
2020									
WB-25	4/21/2020	Other	Outfall destroyed. No sample collected.			N/A	No	-72.813452	41.451907
WB-26	4/21/2020	Other	--	--	**Turbidity: >5 NTU**	N/A	Yes	-72.813353	41.451921
WB-27	4/21/2020	Other	--	--	**Turbidity: >5 NTU**	N/A	Yes	-72.813388	41.45189
QR-1	4/21/2020	Other	--	--	**Turbidity: >5 NTU**	N/A	Yes	-72.824605	41.503345
QR-3	4/21/2020	Other	--	--	**Turbidity: >5 NTU**	N/A	Yes	-72.818617	41.499705
QR-5	4/21/2020	Other	--	--	**Turbidity: >5 NTU**	N/A	Yes	-72.818601	41.487679
QR-7	4/24/2020	Other	--	--	**Turbidity: >5 NTU**	N/A	Yes	-72.820477	41.487413
WB-12	4/24/2020	Other	--	--	**Turbidity: 29.32 NTU**	N/A	Yes	-72.795656	41.463192
WB-13	4/24/2020	Other	--	--	**Turbidity: 9.55 NTU**	N/A	Yes	-72.706111	41.46227
WB-32	4/24/2020	Other	--	--	**Turbidity: 7.89 NTU**	N/A	Yes	-72.815047	41.449435
WB-36	4/24/2020	Other	--	--	**Turbidity: 8.75 NTU**	N/A	Yes	-72.819608	41.446483
WB-41	4/24/2020	Other	--	--	Turbidity: 2.39 NTU	N/A	Yes	-72.819275	41.442284
WB-45	4/24/2020	Other	--	--	Turbidity: 4.16 NTU	N/A	Yes	-72.831613	41.436769
MR-1	4/30/2020	Bacteria, Other	**5,790**	**>24,200**	--	Phoenix Environmental	Yes	-72.804528	41.405734
MR-2	9/10/2020	Bacteria, Other	**3,870**	**>24,200**	--	Phoenix Environmental	Yes	-72.803502	41.406323
QR-6	4/24/2020	Bacteria, Other	**4,160**	**>24,200**	--	Phoenix Environmental	Yes	-72.820636	41.487533
QR-8	4/24/2020	Bacteria, Other	**631**	**>24,200**	--	Phoenix Environmental	Yes	-72.822444	41.485489
QR-9	4/30/2020 9/20/2020	Bacteria, Other	**8,160**	**>24,200**	--	Phoenix Environmental	Yes	-72.823797	41.46664
QR-10	9/10/2020	Bacteria, Other	**>24,200**	**>24,200**	--	Phoenix Environmental	Yes	-72.824739	41.46408
QR-11	9/10/2020	Bacteria, Other	**>24,200**	**>24,200**	--	Phoenix Environmental	Yes	-72.826282	41.462104
QR-17	4/13/2020	Bacteria, Other	**3,450**	**>24,200**	--	Phoenix Environmental	Yes	-72.836198	41.458125
AB-1	9/10/2020	Bacteria	**24,200**	**>24,200**	--	Phoenix Environmental	Yes	-72.825552	41.424694
AB-2	9/10/2020	Bacteria	**3,870**	**>24,200**	--	Phoenix Environmental	Yes	-72.823668	41.424813
AB-3	9/10/2020	Bacteria	**880**	**>24,200**	--	Phoenix Environmental	Yes	-72.8130	41.428012
AB-4	9/10/2020	Bacteria	195	**>24,200**	--	Phoenix Environmental	Yes	-72.811922	41.428283

Town of Wallingford
Wet Weather Sampling
Outfalls to Impaired Waterbodies
2019-2024

Outfall ID	Inspection Date	Pollutant Parameter (Nitrogen, Phosphorous, Bacteria, Other)	Results			Laboratory	Follow-Up Required?	Longitude	Latitude
			E. Coli (MPN/100mL)	Total Coliform (MPN/100mL)	Other				
2021									
OF-247	9/1/2021	Bacteria, Other	97	**>24,200**	**Turbidity: 11.81 NTU**	Phoenix Environmental	Yes	-72.809227	41.49404
OF-54	9/1/2021	Bacteria, Other	**6,870**	**>24,200**	Phosphorus: 0.207 mg/L	Phoenix Environmental	Yes	-72.8184	41.499899
OF-269	9/1/2021	Bacteria, Other	**6,870**	**>24,200**	**Turbidity: 159.8 NTU**	Phoenix Environmental	Yes	-72.8201	41.504222
OF-270	9/1/2021	Bacteria, Other	**19,900**	**>24,200**	**Turbidity: 41.69 NTU**	Phoenix Environmental	Yes	-72.818521	41.506531
QR-6	9/1/2021	Bacteria, Other	**>24,200**	**>24,200**	Phosphorus: 0.171 mg/L	Phoenix Environmental	Yes	-72.820636	41.487533
QR-8	9/1/2021	Bacteria, Other	**>24,200**	**>24,200**	Phosphorus: 0.236 mg/L	Phoenix Environmental	Yes	-72.822444	41.485489
QR-10	9/1/2021	Bacteria, Other	**2,910**	**>24,200**	Phosphorus: 0.182 mg/L	Phoenix Environmental	Yes	-72.823797	41.46664
QR-11	9/1/2021	Bacteria, Other	**816**	**>24,200**	Phosphorus: 0.063 mg/L	Phoenix Environmental	Yes	-72.824739	41.46408
QR-17	9/1/2021	Bacteria, Other	**>24,200**	**>24,200**	**Phosphorus: 0.458 mg/L**	Phoenix Environmental	Yes	-72.82682	41.462104
AB-1	9/1/2021	Bacteria	**670**	**>24,200**	--	Phoenix Environmental	Yes	-72.825552	41.424694
AB-2	9/1/2021	Bacteria	20	**>24,200**	--	Phoenix Environmental	Yes	-72.823668	41.424813
AB-3	9/1/2021	Bacteria	**3,130**	**>24,200**	--	Phoenix Environmental	Yes	-72.813003	41.420012
AB-4	9/1/2021	Bacteria	**1,270**	**>24,200**	--	Phoenix Environmental	Yes	-72.811922	41.428283
MR-1	9/1/2021	Bacteria	**11,200**	**>24,200**	--	Phoenix Environmental	Yes	-72.804528	41.405734
MR-2	9/1/2021	Bacteria	**3,870**	**>24,200**	--	Phoenix Environmental	Yes	-72.803502	41.406323

Notes:
* All highlighted bacterial concentrations are required for follow-up investigations.
*Highlighting is based on the following criteria:
1. E. Coli >235/100mL for Swimming Areas, and >410 col/100mL for all others.
2. Total Coliform > 500 col/100mL
3. Phosphorus > 0.3mg/L
4. Turbidity > 5 NTU

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
MR-1	The investigation was conducted on 1/25/2024. A system of 15 catch basins, located in a residential area, are connected to this outfall that discharges to the Muddy River. Pet waste was identified as a potential source of bacteria in the discharge from this outfall.	The Town of Wallingford posts informational material on its website to educate the public regarding the impact of pet waste on stormwater.
MR-2	The investigation was conducted on 1/25/2024. A system of 8 catch basins, located in a residential area, are connected to this outfall that discharges to the Muddy River. A horse farm is located in proximity to this outfall.	Further investigation is required
AB-3	The investigation was conducted on 1/25/2024. One catch basin, located near a golf course, is connected to this outfall that discharges to Allen Brook. Pet waste was identified as a potential source of bacteria in the discharge from this outfall.	Further investigation is required
AB-4	The investigation was conducted on 1/25/2024. One catch basin, located near a golf course, is connected to this outfall that discharges to Allen Brook. Pet waste was identified as a potential source of bacteria in the discharge from this outfall.	Further investigation is required
OF-66	The investigation was conducted on 1/25/2024. A system of 4 catch basins, located in an apartment complex, are connected to this outfall that discharges to the Quinnipiac River. No activities were observed that would contribute to stormwater quality issues.	
OF-67	The investigation was conducted on 1/25/2024. A system of 3 catch basins, located in a mixed residential and commercial area, are connected to this outfall that discharges to the Quinnipiac River. No activities were observed that would contribute to stormwater quality issues.	
OF-69	The investigation was conducted on 1/25/2024. A system of 3 catch basins, located in the parking area of a supermarket, are connected to this outfall that discharges to Meeting House Brook. No activities were observed that would contribute to stormwater quality issues.	
OF-72	The investigation was conducted on 1/25/2024. A system of 3 catch basins, located in the parking area of a supermarket/strip mall, are connected to this outfall that discharges to Meeting House Brook. Refuse and food waste were observed.	Further investigation is required
OF-701	The investigation was conducted on 1/25/2024. A system of 10 catch basins, located in mixed residential and commercial area, are connected to this outfall that discharges to Wharton Brook.	Further investigation is required
QR-2	The investigation was conducted on 1/26/2024. A system of 10 catch basins, located in a mixed industrial and commercial area, are connected to this outfall that discharges to the Qunnipiac River. Foam and oily sheen were observed.	Further investigation is required
QR-3	The investigation was conducted on 1/26/2024. A system of 5 catch basins, located in a mixed residential and commercial area, are connected to this outfall that discharges to the Qunnipiac River. No activities were observed that would contribute to stormwater quality issues.	
QR-4	The investigation was conducted on 1/26/2024. A system of 5 catch basins, located in a mixed residential and commercial area, are connected to this outfall that discharges to the Qunnipiac River. No activities were observed that would contribute to stormwater quality issues.	
QR-6	The investigation was conducted on 1/26/2024. A system of 21 catch basins, located in a mixed residential and commercial area, are connected to this outfall that discharges to the Qunnipiac River. A damaged pipe was observed that connected into one of the catch basins.	Further investigation is required
OF-575	The investigation was conducted on 1/26/2024. OF-575 receives water from a catch basin located in a dirt parking lot discharges to a wooded area. No activities were observed that would contribute to stormwater quality issues.	
OF-608	The investigation was conducted on 1/26/2024. A system of 4 catch basins, located in a commercial area, are presumed to be connected to this outfall that discharges to swale. Sediment and an organic odor were noted.	Further investigation is required
OF-209/210	The investigation was conducted on 1/29/2024. A system of 11 catch basins, located in a residential area, are connected to this outfall that discharges to Wharton Brook. Foam and an organic odor were noted.	Further investigation is required

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-302	The investigation was conducted on 1/29/2024. A system of 3 catch basins, located near a golf course, are connected to this outfall that discharges to a nearby stream. Heavy flow was observed discharging through one of the catch basins that might have been from the nearby golf course.	Investigate as IDDE
OF-504	The investigation was conducted on 1/29/2024. A system of two outfalls and two catch basins, located in an industrial area, are connected to this outfall that discharges to a surface water body.	Further investigation is required
OF-568	The investigation was conducted on 1/29/2024. Two catch basins, located in a residential area, are connected to this outfall that discharges to a wetland. No activities were observed that would contribute to stormwater quality issues.	
WB-14	The investigation was conducted on 1/29/2024. A system of 6 catch basins, located in a commercial area, are connected to this outfall that discharges to Wharton Brook. No activities were observed that would contribute to stormwater quality issues.	
OF-92	The investigation was conducted on 1/29/2024. A system of approximately 20 catch basins, located in a commercial area, are connected to this outfall that discharges to the Quinnipiac River. No activities were observed that would contribute to stormwater quality issues.	
OF-70	The investigation was conducted on 1/29/2024. A system of 8 catch basins, located in a mixed residential and commercial area, are connected to this outfall that discharges to the Quinnipiac River. No activities were observed that would contribute to stormwater quality issues.	
OF-233	The investigation was conducted on 9/3/2024. A system of 12 catch basins, located in a residential area, are connected to this outfall that discharges to Catlin Brook. Sediment build up was noted.	Removal of sediment recommended
OF-711	The investigation was conducted on 9/3/2024. This outfall is located in a residential area and discharges to Allen Brook. Sediment build up was noted.	Removal of sediment recommended
OF-712	The investigation was conducted on 9/3/2024. This outfall is located in a residential area and discharges to Allen Brook. Sediment build up was noted.	Removal of sediment recommended

Town of Wallingford
Priority Outfall Sampling
2020 - 2024

Outfall ID	Inspection Date	Outfall Condition	Discharge Description	Field Parameters							Other Parameters		
				Temperature	pH	Dissolved Oxygen	Specific Conductivity	Oxidation-Reduction Potential	Turbidity	Odor?	Phosphorus (mg/L)	Escheriachia Coli	Total Coliforms
				°C	SU	mg/L	uS/cm	MV	NTU			MPN/100mL	
2020													
AB-1	9/10/20	Good	Mostly clear, some large floating particulates	--	--	--	--	--	--	No	--	**24,200**	**>24,200**
AB-2	9/10/20	Good	Clear, some foam	--	--	--	--	--	--	No	--	**3,870**	**>24,200**
AB-3	9/10/20	Good	Some foam, low flow, clear	--	--	--	--	--	--	No	--	**880**	**>24,200**
AB-4	9/10/20	Good	Yellowish tint, some foam, clear	--	--	--	--	--	--	No	--	**195**	**>24,200**
QR-9	9/10/20	Fair to poor	Clear	--	--	--	--	--	--	No	--	**8,160**	**>24,200**
QR-10	9/10/20	Basin eroding	Clear	--	--	--	--	--	--	No	--	**>24,200**	**>24,200**
QR-11	9/10/20	Good	Clear	--	--	--	--	--	--	No	--	**>24,200**	**>24,200**
MR-2	9/10/20	Good	Little foam, clear	--	--	--	--	--	--	No	--	**3,870**	**>24,200**
2021													
QR-6	9/1/21	Excellent	--	--	--	--	--	--	--	No	0.171	**>24,200**	**>24,200**
QR-8	9/1/21	Good	--	--	--	--	--	--	--	No	0.236	**>24,200**	**>24,200**
QR-10	9/1/21	Good	--	--	--	--	--	--	--	No	0.182	**2,910**	**>24,200**
QR-11	9/1/21	Excellent	--	--	--	--	--	--	--	No	0.053	**816**	**>24,200**
QR-17	9/1/21	Good	--	--	--	--	--	--	--	No	**0.458**	**>24,200**	**>24,200**
AB-1	9/1/21	Good	--	--	--	--	--	--	--	No	--	**670**	**>24,200**
AB-2	9/1/21	Good	--	--	--	--	--	--	--	No	--	**20**	**>24,200**
AB-3	9/1/21	Good	--	--	--	--	--	--	--	No	--	**3,130**	**>24,200**
AB-4	9/1/21	Good	--	--	--	--	--	--	--	No	--	**1,270**	**>24,200**
MR-1	9/1/21	Good	--	--	--	--	--	--	--	No	--	**11,200**	**>24,200**
MR-2	9/1/21	Good	--	--	--	--	--	--	--	No	--	**3,870**	**>24,200**
2022													
QR-6	6/27/22	Good	light brown tint, clear, very high flow velocity, overgrown and covered with organic debris.	22.6	8.67	7.82	100.1	183.9	**11.76**	No	0.120	**3,650**	**>24,200**
QR-8	6/27/22	Fair	light brown tint, high flow velocity, some foam, some organic debris in outfall.	22.7	7.39	7.09	127.9	200.0	**23.98**	No	**0.308**	**13,000**	**>24,200**
QR-9	6/27/22	Poor	Light to dark brown to it, many suspended organics.	25.0	6.50	4.55	55.7	205.1	**44.23**	No	**0.974**	**24,200**	**>24,200**
QR-10	6/27/22	Excellent	very light brown, clear, extremely high flow velocity, some foam.	22.8	6.18	5.53	100.7	222.5	**18.99**	No	0.231	**>24,200**	**>24,200**
QR-11	6/27/22	Excellent	moderate flow velocity, light yellow ish brown tint, clear, some foam.	22.2	6.69	7.27	73.2	221.6	**16.65**	No	0.1	**1,150**	**>24,200**
QR-17	6/27/22	Good	slow flow velocity, brownish yellow tint, clear, some foam.	20.4	6.81	7.07	235.9	235.4	**21.39**	No	**0.4**	**>24,200**	**>24,200**
AB-1	6/27/22	Fair	slow flow velocity, clear, slightly overgrown.	22.1	7.23	5.97	35.9	199.6	**9.47**	No	--	**1,530**	**>24,200**
AB-2	6/27/22	Good	could not access pitfall due to locked fence. Sampled from catch basin. Brownish yellow tint, some suspended organic sand sediment.	23.5	6.79	5.57	33.3	204.0	**39.94**	No	--	**4,610**	**>24,200**
AB-3	6/27/22	Fair	no discharge, samples from catch basin. Outfall pipe filled partially with sediment. Light brown, some suspended particles.	23.1	6.72	4.52	56.5	211.4	**43.62**	No	--	**2,610**	**>24,200**
AB-4	6/27/22	Good	slow flow velocity, light brown, clear. Rip rap/asphalt swale in good condition.	22.2	7.21	4.70	269.8	222.8	**36.93**	No	--	**908**	**>24,200**

Town of Wallingford
Priority Outfall Sampling
2020 - 2024

Outfall ID	Inspection Date	Outfall Condition	Discharge Description	Field Parameters							Other Parameters		
				Temperature	pH	Dissolved Oxygen	Specific Conductivity	Oxidation-Reduction Potential	Turbidity	Odor?	Phosphorus (mg/L)	Escheriachia Coli	Total Coliforms
				°C	SU	mg/L	uS/cm	MV	NTU			MPN/100mL	
2022													
MR-1	6/27/22	Fair	clear, slightly brownish tint, could not locate outfall due to dense vegetation.	20.0	7.42	5.34	495.4	221.6	**7.81**	No	--	**2,910**	**>24,200**
MR-2	6/27/22	Good	Low flow. Light brown tint with some suspended sediment/solids.	21.5	6.99	4.73	224.8	220.6	**42.2**	No	--	**2,600**	**>24,200**
2023													
QR-6	8/25/23	Good	Light brown tint. Light trickle.	22.2	6.97	2.04	492.7	-73.4	**72.93**	No	**1.53**	**>24,200**	**>24,200**
QR-8	8/25/23	Good	Discharge is clear. Light flow.	22.3	7.17	4.89	408.6	-63.4	**13.06**	No	0.185	**414**	**>24,200**
QR-9	8/25/23	--	Discharge is brown with suspended organics.	22.2	7	5.82	62.6	-84	**75.48**	No	**1.38**	**364**	**>24,200**
QR-10	8/25/23	Good	Discharge is clear. Very heavy flow.	22.5	7.8	5.82	54..3	-70.5	**8.19**	No	0.097	**4,350**	**>24,200**
QR-11	8/25/23	Excellent	Discharge is clear with some foam. Very heavy flow.	22.3	7.18	6.16	56.1	-90.2	**16.53**	No	0.098	**24,200**	**>24,200**
QR-17	8/25/23	Good	Discharge is light brown. High flow.	22.2	7.15	5.71	85.9	-87.5	**27.18**	No	**0.376**	**>24,200**	**>24,200**
AB-1	8/25/23	Good	Discharge is clear. High flow.	22.3	6.35	4.68	57	-57.4	**13.39**	No	--	**24,200**	**>24,200**
AB-2	8/25/23	--	Discharge is clear.	22.1	7.1	5.61	63.4	-78.9	**12.63**	No	--	**959**	**>24,200**
AB-3	8/25/23	Poor	Disharge is clear. Outfall completely blocked by sediment.	22.4	6.8	5.08	28.8	-73.7	**15.7**	No	--	**>24,200**	**>24,200**
AB-4	8/25/23	Good	Discharge has a yellow tint. Moderate flow.	22.4	7.18	6.75	55.5	-87.2	**18.7**	No	--	**4,880**	**>24,200**
MR-1	8/25/23	--	Discharge is clear.	22.4	6.65	4.97	18.3	-71.5	**8.24**	No	--	**6,130**	**>24,200**
MR-2	8/25/23	Excellent	Discharge has a yellow tint and minor foam. High flow.	21.8	7.07	6.2	74.1	-78.7	**22.23**	No	--	**1,470**	**>24,200**
2024													
QR-6	11/21/24	Good	Very heavy flow, dark brown tint.	13	6.82	9.31	56.3	102.4	**57.3**	No	**0.343**	**>24,200**	**>24,200**
QR-8	11/21/24	Poor	Heavy flow, slight yellow tint, little foam	12.5	6.64	8.7	80.7	108.9	**25.9**	No	**0.399**	**>24200**	**>24,200**
QR-9	11/21/24	Poor	Moderate flow, slight yellow tint.	12.5	6.77	8.99	19.5	111.8	**12.1**	No	0.273	**148**	**24,200**
QR-10	11/21/24	Good	Strong flow, yellow tint, little foam.	12.5	6.56	8.78	108.8	111.8	**12.7**	No	**0.527**	**>24200**	**>24,200**
QR-11	11/21/24	Excellent	Strong flow, clear.	12.6	6.89	9.13	35.3	94	**14**	No	0.09	**>24200**	**>24,200**
QR-17	11/21/24	Poor	Strong flow, clear, slightly cloudy	12.9	7.07	9.08	25.6	81.9	**14.1**	No	0.091	**1,050**	**>24,200**
AB-1	11/21/24	Good	Low flow, yellow/brown color. Abundant leaf litter.	12.7	6.67	8.71	44.3	99.6	**27.1**	No	--	**933**	**>24,200**
AB-2	11/21/24	Good	Low flow, yellow color, abundant leaf litter.	12.7	6.63	9.1	32.6	101.8	**16.6**	No	--	**108**	**>24,200**
AB-3	11/21/24	Good	Steady, clear. Slight yellow tint.	12.8	6.78	8.85	31.1	93.5	**15.9**	No	--	**355**	**>24,200**
AB-4	11/21/24	Good	Low flow. Yellow color, slightly cloudy.	12.9	6.82	8.79	103.1	95.6	**22.4**	No	--	**1,100**	**>24,200**
MR-1	11/21/24	Excellent	Moderate steady flow. Little leaf litter, otherwise clean.	13.1	6.61	8.59	102.9	106	**11.6**	No	--	**1,410**	**>24,200**
MR-2	11/21/24	Excellent	Strong flow, clear.	13.2	7.02	8.62	23.3	84.2	**15**	No	--	**529**	**5,340**

Town of Wallingford
Priority Outfall Sampling
2020 - 2024

Outfall ID	Inspection Date	Outfall Condition	Discharge Description	Field Parameters							Other Parameters		
				Temperature	pH	Dissolved Oxygen	Specific Conductivity	Oxidation-Reduction Potential	Turbidity	Odor?	Phosphorus (mg/L)	Escheriachia Coli	Total Coliforms
				°C	SU	mg/L	uS/cm	MV	NTU			MPN/100mL	

Notes:
* All highlighted bacterial concentrations are required for follow-up investigations at associated outfall.
*Highlighting is based on the following criteria;
1. E. Coli >235/100mL for Swimming Areas, and >410 col/100mL for all others.
2. Total Coliform > 500 col/100mL
3. Fecal Coliform >31 col/100 mL for Class SA and >260 col/100mL for Class SB
5. Ammonia: >0.5 mg/L
6. Surfactants (MBAS): > 0.25 mg/L
7. Chlorine: detectable level
8. Conductivity: >1,500 uS
9. Salinity: ≥ 0.5 ppt
10. Nitrogen >2.5 mg/L
11. Phosphorus >3.0 mg/L
12. Turbidity >5 NTU

Town of Wallingford MS4 General Permit
Catchment Assessment and Priority Ranking

Catchment ID	Outfalls Included	Receiving Water(s)	Previous Screening Results Indicate Likely Sewer Input? [1]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sewer Repair Nearby?	Urbanized Area	DCIA >11%	Impaired Waterbody	Score	Priority Ranking 0-5: Low Priority 6-9: Problem ≥ 10 high Priority
Information Source			Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Storm System Maps	Other	Municipal Staff, GIS Maps	CLEAR	Nathan L Jacobson & Associates	CLEAR		
Scoring Criteria			Yes = 3 (Problem Catchment) No = 0	Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	Description	Yes=2 No=0	Yes =1 No = 0	Yes =1 No = 0	Yes =1 No = 0		
4606-00-1	0	None	0	0	0	0	1	1	0	0	0	Wooded	0	0	0	0	2	Low Priority
4606-01-1	0	None	0	0	0	0	1	1	0	0	0	Wooded	0	0	0	0	2	Low Priority
4606-02-1	0	Unnamed Stream	0	0	0	0	1	1	0	0	0	Wooded	0	0	0	0	2	Low Priority
4607-10-1-L1	0	None	0	0	0	0	1	1	0	0	0	Wooded	0	0	0	0	2	Low Priority
5112-00-2-L1	2	Unnamed Stream	0	0	0	0	1	2	0	0	3	Wooded, some residential housing, light agricultural land	0	1	0	0	7	Problem
5112-02-1	4	Unnamed Stream	0	0	0	0	1	2	0	0	3	Wooded, cleared land, light residential housing	0	0	0	0	6	Problem
5112-02-1-D1	0	None	0	0	0	0	1	2	0	0	0	Wooded, agricultural land	0	0	0	0	3	Low Priority
5112-02-1-L1	0	Unnamed Stream	0	0	0	0	1	1	0	0	0	Wooded and Pitsapaug Pond	0	0	0	0	2	Low Priority
5112-03-1	1	Unnamed Stream	0	0	0	0	1	2	0	0	3	Wooded, cleared land, some agricultural land and residential housing	0	0	0	0	6	Problem
5200-00-4-L3	49	Quinnipiac River, Community Lake	0	0	0	3	3	2	0	3	0	Wooded, some commercial and residential housing	0	1	1	1	14	High Priority
5200-00-4-R10	45	Quinnipiac River	3	0	0	3	3	2	0	0	3	Commercial development, some residential housing and wooded areas	0	1	1	1	17	High Priority
5200-00-4-R11	20	Quinnipiac River		0	0	3	2	2	0	0	0	Wooded and commercial, some residential housing	0	1	1	1	10	High Priority
5200-00-4-R12	27	Quinnipiac River	0	0	0	3	2	1	0	0	3	Wooded, some agricultural land and commercial, light residential	0	1	1	1	12	High Priority
5200-00-4-R7	84	Quinnipiac River	0	3	0	3	2	2	0	0	3	Commercial, some residential housing, light wooded areas	0	1	1	1	16	High Priority
5200-00-4-R8	81	Quinnipiac River	3	3	0	3	3	2	0	0	0	Commercial and residential housing, light wooded areas	0	1	1	1	17	High Priority
5200-10-1	14	Meetinghouse Brook	0	3	0	3	2	1	0	0	3	Residential housing, some commercial and wooded areas	0	1	1	0	14	High Priority
5200-10-2-R1	69	Meetinghouse Brook	0	3	0	3	3	2	0	0	3	Commercial, light residential housing and wooded, highway	0	1	1	0	16	High Priority
5200-11-1	15	Spruce Glen Brook	0	3	0	0	2	2	0	0	3	Residential housing, some wooded, light agricultural land, highway	0	1	0	0	11	High Priority
5200-12-1	2	Unnamed Stream	0	3	0	0	2	2	0	0	3	Commercial, some wooded	0	1	1	0	12	High Priority
5200-12-1-L1	49	Unnamed Stream	0	3	0	0	2	2	0	0	3	Wooded, some residential housing, light commercial and athletic fields	0	1	1	0	12	High Priority
5200-13-1	62	Padens Brook	0	3	0	3	3	2	0	3	3	Commercial, some residential housing, light wooded and agricultural land	0	1	1	1	20	High Priority
5200-14-1	38	Unnamed Pond	0	0	0	0	1	1	0	0	0	Pond, light wooded and residential	0	1	1	0	4	Low Priority
5200-14-1-L1	3	Unnamed Stream	0	0	0	0	2	2	0	0	3	Some wooded and residential housing	0	1	1	0	9	Problem
5200-15-1	34	Unnamed Streams, Peanuts Pond, Farms Pond, Fergusons Pond	0	0	0	2	3	2	0	0	3	Residential housing, some agricultural land, light wooded	0	1	0	0	11	High Priority
5200-16-1	0	None	0	0	0	0	1	1	0	0	0	Wooded	0	0	0	0	2	Low Priority
5200-17-1	0	None	0	0	0	0	1	2	0	0	0	Light residential housing	0	1	0	0	4	Low Priority
5200-19-1-L1	0	None	0	0	0	0	1	2	0	0	0	Light residential housing	0	1	1	0	5	Low Priority
5204-00-2-L1	10	Broad Brook	0	0	0	0	2	2	0	0	0	Wooded, some residential housing	0	1	0	0	5	Low Priority
5204-01-1	0	Broad Brook	0	0	0	0	1	1	0	0	0	Wooded	0	1	0	0	3	Low Priority
5204-02-1	4	Broad Brook	0	0	0	0	2	2	0	0	0	Wooded, some residential housing	0	1	0	0	5	Low Priority
5206-01-1-L1	0	High Hill Pond	0	0	0	0	1	2	0	0	0	Wooded area with a small cleared portion for overhead electrical lines.	0	1	0	0	4	Low Priority
5206-02-1-L1	6	North Farms Reservoir into Wharton Brook	0	0	0	2	3	2	0	0	0	Developed with commercial or industrial sites. High impermeable areas. Lightly wooded areas	0	1	1	1	10	High Priority
5207-00-1	44	Wharton Brook	0	0	0	3	3	2	0	0	3	Residential houisng, some cleared land	0	1	1	1	14	High Priority
5207-00-1-L1	17	North Farms Reservoir	0	0	0	3	1	2	0	0	0	Some commercial, wooded, agricultural land, light residential	0	1	0	0	7	Low Priority
5207-00-1-L2	66	Wharton Brook, Catlin Brook	0	0	0	3	3	2	0	0	3	Residential housing, some wooded and agricultural land	2	1	0	1	15	High Priority
5207-00-2-R1	11	Wharton Brook	0	0	0	3	3	2	0	0	3	Residential housing, some commecial, light wooded	0	1	1	1	14	High Priority
5207-00-2-R2	9	Wharton Brook	0	0	0	3	2	2	0	0	3	Commercial, light wooded	0	1	1	1	13	High Priority
5207-01-1	46	Unnamed Stream	0	0	0	3	3	2	0	0	3	Residential houisng, commercial, golf course	0	1	1	1	14	High Priority
5207-02-1	**0**	Unnamed Stream	0	0	0	3	1	1	0	0	0	Wooded	0	1	0	1	7	Problem
5207-02-1-L1	47	Allen Brook	3	0	0	3	3	2	0	0	3	Commercial and residential housing, highway, golf course	0	1	1	1	17	High Priority
5208-00-1	1	Unnamed Stream	0	0	0	0	1	2	0	0	3	Wooded, light residential housing	0	1	0	0	7	Problem
5208-00-1-L1	74	Muddy River	0	0	0	2	2	1	0	0	3	Wooded and commercial, light residential housing	0	1	0	1	10	High Priority
5208-00-2-R1	5	Unnamed Stream	0	0	0	2	1	2	0	0	3	Wooded and residential hoiusing	0	1	0	0	9	Problem
5208-00-3-L2	11	Mackenzie Reservoir,Unnamed Stream	3	0	0	3	2	2	0	3	0	Agricultural land, some wooded and residential houisng	2	1	0	0	16	High Priority
5208-00-3-L3	11	Muddy River	0	0	0	3	1	2	0	3	3	Wooded, light residential housing and cleared land	0	1	0	1	14	High Priority
5208-00-3-R1	0	Muddy River	0	0	0	3	1	2	0	0	3	Wooded, light residential housing	0	0	0	1	10	High Priority
5208-00-3-R2	3	Muddy River	0	0	0	3	2	2	0	0	3	Wooded and agricultural land, some residential housing	0	0	0	1	11	High Priority
5208-00-3-R3	3	Muddy River	3	0	0	3	1	2	0	0	3	Wooded and some residential houisng	0	1	0	1	14	High Priority
5208-00-3-R4	0	Muddy River	0	0	0	2	1	1	0	0	0	Wooded	0	1	0	1	6	Problem
5208-00-3-R5	0	Muddy River	0	0	0	2	1	1	0	0	0	Wooded and cleared land	0	1	0	1	6	Problem
5208-01-1	8	Unnamed Stream	0	0	0	0	2	2	0	0	3	Commercial and wooded, some residential housing, highway	0	1	0	0	8	Problem

Town of Wallingford MS4 General Permit
Catchment Assessment and Priority Ranking

Catchment ID	Outfalls Included	Receiving Water(s)	Previous Screening Results Indicate Likely Sewer Input? [1]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sewer Repair Nearby?	Urbanized Area	DCIA >11%	Impaired Waterbody	Score	Priority Ranking 0-5: Low Priority 6-9: Problem ≥ 10 high Priority
Information Source			Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Storm System Maps	Other	Municipal Staff, GIS Maps	CLEAR	Nathan L Jacobson & Associates	CLEAR		
Scoring Criteria			Yes = 3 (Problem Catchment) No = 0	Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	Description	Yes=2 No=0	Yes =1 No = 0	Yes =1 No = 0	Yes =1 No = 0		
5208-02-1	4	Spring Brook	0	0	0	0	1	2	0	0	0	Wooded, some commercial, light residential housing and agricultural land	0	0	0	0	3	Low Priority
5208-02-1-L1	1	Ulbrich Reservoir, Spring Brook	0	0	0	0	1	2	0	0	3	Reservoir, some wooded and agricultural land, light residential housing	0	0	0	0	6	Problem
5208-02-2-R1	10	Spring Brook	0	0	0	0	2	2	0	3	3	Residential housing and wooded	2	1	0	0	13	High Priority
5208-03-1	11	Unnamed Stream	0	0	0	0	1	2	0	0	3	Wooded and residential housing, light commercial	0	1	0	0	7	Problem
5208-04-1	9	Unnamed Stream	0	0	0	0	1	1	0	0	3	Pond	0	0	0	0	5	Low Priority
5208-04-1-L1	0	Scards Pond	0	0	0	0	1	2	0	0	0	Wooded, agricultural land, light residential housing	0	0	0	0	3	Low Priority
5208-05-1	0	Mackenzie Reservoir	0	0	0	0	1	1	0	0	0	Wooded, reservoir	0	0	1	0	3	Low Priority
5208-05-1-L1	25	Unnamed Streams	0	0	0	0	1	2	0	3	0	Wooded, some residential housing and agricultural land, highway	0	1	0	0	7	Problem
5208-06-1	25	Unnamed Stream	0	0	0	0	2	2	0	0	3	Agricultural land, some residential, highway	0	1	0	0	8	Problem
5208-07-1	0	Unnamed Stream	0	0	0	0	1	1	0	0	3	Wooded	0	0	0	0	5	Low Priority
5208-08-1	23	Pine River, Unnamed Streams	0	0	0	0	2	2	0	0	3	Wooded with residential housing, light cleared land	0	1	0	0	8	Problem
5208-09-1	0	None	0	0	0	0	1	1	0	0	0	Wooded	0	1	0	0	3	Low Priority
5302-02-1	0	Unnamed Stream	0	0	2	0	2	2	0	0	3	Residential housing, some wooded areas and marsh, golf course	2	1	0	0	12	High Priority
5302-04-1-L1	16	Butterwoth Brook	0	3	0	0	2	2	0	0	3	Wooded with residential housing	0	1	0	0	11	High Priority

Scoring Criteria:

[1] Previous screening results indicate likely sewer input if any of the following are true:
- Olfactory or visual evidence of sewage,
- Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria levels greater than the water quality criteria applicable to the receiving water, or
- Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and detectable levels of chlorine

[2] Catchments that discharge to or in the vicinity of any of the following areas: public beaches, recreational areas, drinking water supplies, or shellfish beds

[3] Receiving water quality based on latest version of State of Connecticut Integrated Water Quality Report.
- Poor = Waters with approved TMDLs (Category 4a Waters) where illicit discharges have the potential to contain the pollutant identified as the cause of the impairment
- Fair = Water quality limited waterbodies that receive a discharge from the MS4 (Category 5 Waters)
- Good = No water quality impairments

[4] Generating sites are institutional, municipal, commercial, or industrial sites with a potential to contribute to illicit discharges (e.g., car dealers, car washes, gas stations, garden centers, industrial manufacturing, etc.)

[5] Age of development and infrastructure:
- High = Industrial areas greater than 40 years old and areas where the sanitary sewer system is more than 40 years old
- Medium = Developments 20-40 years old
- Low = Developments less than 20 years old

[6] Areas once served by combined sewers and but have been separated, or areas once served by septic systems but have been converted to sanitary sewers.

[7] Aging septic systems are septic systems 30 years or older in residential areas.

[8] Any river or stream that is culverted for distance greater than a simple roadway crossing.

[9] Based off of CT NEMO DCIA Calculations

Pending investigation

Town of Wallingford
Dry Weather Inspections
2021 - 2024

Outfall ID	Inspection Date	Able to Access Outfall	Material	Subtype	Condition	Erosion Control	Notes	Maintenance Or Erosion Control Needed?	Iillicit Discharge?	Illicit Discharge Flow Type	Illicit Discharge Description	Longitude	Latitude
2021													
OF-70	10/20/2021	Metal	other	36	Excellent	No	Metal pipe, drains directly into flowing part of river.	No	No	--	--	-72.81676733	41.4908591
OF-71	10/20/2021	Plastic	flared end	15	Good	Yes	Metal flared end on plastic, overgrown, some rip rap in discharge channel, minimal erosion.	Maintenance-brush clearing.	No	--	--	-72.8155172	41.49093663
OF-72	10/20/2021	Plastic	--	15	Good	Yes	Slightly overgrown, trash present in discharge channel.	Maintenance-refuse removal.	No	--	--	-72.81413837	41.49117228
OF-73	10/20/2021	Concrete	flared end	--	Poor	No	Completely blocked and covered by debris, some rip rap in discharge channel.	Maintenance-debris removal.	No	--	--	-72.81359141	41.49095131
OF-68	10/20/2021	Concrete	--	12	Good	No	Outfall directly discharges into river, submerged under water. Could not determine discharge or condition of opening.	No	No	--	--	-72.81766915	41.4890659
OF-67	10/20/2021	Plastic	flared end	15	Excellent	Yes	Drains into a closed depression, minimal erosion, some rip rap	No	No	--	--	-72.81804663	41.48960995
OF-66	10/20/2021	Plastic	--	6	Excellent	Yes	Outfall pipe is suspended-drains onto rip rap, little to no erosion.	No	No	--	--	-72.81887307	41.48841834
OF-92	10/20/2021	Plastic	flared end	15	Good	Yes	Slightly overgrown, standing water in pipe.	No	No	--	--	-72.82020681	41.48677898
2022													
OF-194	5/10/2022	Precast	other	4	Excellent	Yes	Under Toelles Rd bridge abutment	No	No	--	--	-72.82020681	41.48677898
OF-195	5/10/2022	Precast	other	24	Excellent	Yes	Under toelles rd bridge abutment. 24" and 4" pipes.	No	No	--	--	-72.85105585	41.43263649
OF-197	5/10/2022	Concrete	flared end	36	Poor	No	Appears to be a rectangular box culvert. very obstructed	Debris removed and rip-rap installation	No	--	--	-72.85117421	41.43244837
OF-196	5/10/2022	Concrete	other	24	Poor	No	Partially buried catch basin. discharges from base.	Mainteance needed-clearing of catch basin.	Yes	Steady	steady, cloudy discharge with oily sheen and high iron	-72.84473649	41.42732478
OF-198	5/10/2022	Riprap	other	N/A	Fair	Yes	Riprapped channel alongside path, leading down to bridge structure.	No	No	--	--	-72.84683506	41.42729087
OF-199	5/10/2022	Plastic	other	12	Good	Yes	Plastic OF pipe behind FedEx facility. Pipe immediately adjacent to culverted stream OF pipe.	No	No	--	--	-72.84231649	41.42663042
OF-200	5/10/2022	Precast	other	12	Poor	No	Clay pipe. Broken in several spots.	Mainteance needed-check integrity of pipe.	No	--	--	-72.84153877	41.42679969

Town of Wallingford
Dry Weather Inspections
2021 - 2024

Outfall ID	Inspection Date	Able to Access Outfall	Material	Subtype	Condition	Erosion Control	Notes	Maintenance Or Erosion Control Needed?	Iillicit Discharge?	Illicit Discharge Flow Type	Illicit Discharge Description	Longitude	Latitude
2022													
OF-210	5/10/2022	Concrete	flared end	24	Excellent	Yes	OF pipe from stormwater detention basin. SDB lid found removed, Atlas personnel replaced cover.	No	No	--	--	-72.8397639	41.42744555
OF-208	5/10/2022	--	--	--	Poor	--	Embankment heavily overgrown, unknown if OF pipe is obscured by vegetation. Small section of concrete pipe found on stream bank, not connected to anything.	Further investigation needed.	No	--	--	-72.83024431	41.43601952
OF-204	5/10/2022	--	--	--	Poor	No	Embankment partially eroded, OF pipe not visible. Some algae present.	Erosion Control and further investigation needed.	No	--	--	-72.83275051	41.4322992
OF-207	5/10/2022	--	--	--	Fair	Yes	Riprap cuts in curb along I-91 on-ramp	Information should be forwarded to CTDOT.	No	--	--	-72.83518414	41.42952042
OF-205	5/10/2022	Concrete	endwall	48	Good	Yes	Concrete endwall. Good condition.	No	No	--	--	-72.83540845	41.42837466
OF-206	5/10/2022	--	--	--	Fair	Yes	Riprap cut in curb along I-91 on-ramp. Area appears to have been modified compared to our maps, CBs are no longer present.	Should be reported to CTDOT.	No	--	--	-72.83739162	41.42749474
OF-717	5/10/2022	--	--	--	--	--	Destroyed due to redevelopment	--	--	--	--	-72.83620638	41.42831369
OF-716	5/10/2022	--	--	--	--	--	Destroyed due to redevelopment	--	--	--	--	-72.82802923	41.42474998
OF-714	5/10/2022	--	--	--	--	--	Destroyed due to redevelopment	--	--	--	--	-72.82783407	41.42462603
OF-218	5/10/2022	Concrete	other	24	Good	Yes	Marginal erosion control.	Erosion Control	No	--	--	-72.8272789	41.42426094
OF-216	5/10/2022	Plastic	other	2	Good	No	2x 2" PVC pipes from parking lot	No	No	--	--	-72.81389703	41.45141784
OF-217	5/10/2022	Unknown	Unknown	unknown	Poor	No	No OF pipe found, wet area of tall grass directly in line with CB, OF suspected to be buried below	Further investigation needed.	No	--	--	-72.8178766	41.44782749
OF-229	5/10/2022	--	--	--	Good	Yes	Retention pond	Further investigation needed	No			-72.81911161	41.44779115
OF-228	5/10/2022	Unknown	Unknown	unknown	Poor	No	Embankment filled in with leaves/brush/grass clippings/wood. OF pipe beneath debris, unable to visually inspect.	Maintenance-debris removal.	No	--	--	-72.79351708	41.46794077
OF-757	5/11/2022	Corrugated steel	other	12	Good	Yes	Corrugated steel pipe extending 3 feet from bank	No	No	--	--	-72.79367536	41.46785737
OF-772	5/11/2022	Precast	other	36	Good	Yes	36 in flared end precast structure under highway. appears to be a diverted stream. clear water with moderate algae growth.	No	No	--	--	-72.80051861	41.4151411
OF-771	5/11/2022	Unknown	Unknown	unknown	Unknown	Unknown	Inaccessible. No apparent discharge pipe	Further investigation needed.	No	--	--	-72.80942068	41.42979065
OF-776	5/11/2022	Precast	other	12	--	Yes	12 in flared end located along 91. move point	For CTDOT.	No	--	--	-72.81273267	41.42849927
OF-701	5/11/2022	Precast	flared end	24	Good	Yes	24-in precast behind maintenence shed.	No	No	--	--	-72.81656524	41.42654102
OF-978	5/11/2022	Plastic	other	6	Good	Yes	6-in plastic pipe protruding from embankment from house	Further investigation needed to confirm if there are any illicit connections.	No	--	--	-72.82136799	41.43188482
OF-133	5/11/2022	Precast	flared end	12	Good	Yes	12-in precast flared end. Discharges from 3/4 up embankment	No	No	--	--	-72.8233774	41.43633739
OF-134	5/11/2022	Plastic	other	4	Fair	No	4-in pvc extending from side yard of business	Erosion Control	No	--	--	-72.83164634	41.46030764
OF-136	5/11/2022	Concrete	endwall	36	Good	--	36" concrete pipe discharging from road. 6-in pvc discharging from buisness.	Further investigation needed-PVC pipe from business.	Yes	Steady	Existing stream bed appears to be gw. PVC pipe has minor ,clear discharge	-72.83207994	41.46048669
OF-142	5/11/2022	Concrete	endwall	10	Good	Yes	(2) 10" concrete pipes on large concrete endwall	No	No	--	--	-72.83434305	41.4595378

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2022													
OF-363	11/23/2022	--	other	0	Poor	No	Outfall covered by leaf litter in wooded area; discharges to perennial pond in residential condo community; no visible erosion control; needs to be cleared	Erosion control and maintenance-leaf litter removal.	No	--	--	-72.85263551	41.4449108
OF-365	11/23/2022	Concrete	flared end	36	Good	Yes	Flared end culvert and conduit of intermittent stream, rip rap erosion control on sides. In residential area going under road.	No	No	--	--	-72.85088197	41.44512
OF-362	11/23/2022	Corrugated steel	other	24	Poor	Yes	Metal culvert with ephemeral stream, rip rap on sides. Pipe is rusted/eroded inside, needs repair. In residential condo community.	Maintenance-check integrity of pipe.	No	--	--	-72.85257045	41.44541459
OF-358	11/23/2022	Concrete	flared end	12	Good	No	Outfall pipe located at base of landscaped drainage swale; pipe filled with organic material and needs clearing; outfall located in residential condo community adjacent to main road	No	No	--	--	-72.84670494	41.44608702
OF-360	11/23/2022	Concrete	endwall	36	Excellent	Yes	Concrete outfall pipe and end wall in residential condo community; stormwater discharges into ephemeral stream in woods; brick sized riprap along bottom of stream and on banks	No	No	--	--	-72.84648766	41.44488203
OF-361	11/23/2022	Concrete	endwall	36	Good	Yes	Concrete outfall endwall, rip rap erosion control with ephemeral stream, in residential condo community.	No	No	--	--	-72.8475624	41.44513932
OF-352	11/23/2022	Plastic	other	12	Good	Yes	Plastic outfall pipe in residential condo community adjacent to two other outfall pipes; brick sized riprap at mouth of outfall pipe; discharges into small swale	No	No	--	--	-72.84757925	41.44505925
OF-353	11/23/2022	Plastic	other	12	Good	Yes	Plastic outfall going into small swale next to wooded area in residential condo community. Some riprap erosion control. Leaf litter around outfall.	No	No	--	--	-72.84564979	41.44723548
OF-351	11/23/2022	Plastic	other	12	Good	Yes	Plastic outfall going into swale next to wooded area in residential condo community. Riprap erosion control around outfall.	No	No	--	--	-72.84580686	41.44721168
OF-288	11/23/2022	Concrete	flared end	18	Good	Yes	Outfall pipe in wooded area of residential	No	No	--	--	-72.84585982	41.44728717
OF-289	11/23/2022	Concrete	flared end	18	Good	Yes	Outfall pipe in wooded area at corner of two roads; discharges to wooded drainage swale; gravel base; medium sized riprap on banks of swale	No	No	--	--	-72.84353354	41.49431243
OF-290	11/23/2022	Plastic	other	8	Fair	Yes	Plastic outfall pipe in wooded area along road; discharges to ephemeral stream; riprap along banks of stream and at discharge pipe outlet; gravel base	No	No	--	--	-72.84290601	41.49398365
OF-433	11/23/2022	--	--	--	--	--	Outfall located in residential yard	Access needed.	No	--	--	-72.84258512	41.49380131
OF-432	11/23/2022	--	--	--	--	--	Outfall located in residential yard	Access needed.	No	--	--	-72.84250094	41.49149362
OF-356	11/23/2022	Plastic	other	12	Good	Yes	Plastic outfall going into wooded area in residential condo community. Riprap around outfall.	No	No	--	--	-72.84207651	41.49057763
OF-969	11/23/2022	Precast	flared end	12	Good	Yes	Metal outfall pipe in wooded area adjacent to highway; asphalt seals immediately adjacent to outfall; water flows down swale and into intermittent stream.	CTDOT Maintained	No	--	--	-72.84617004	41.44646814

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2022													
OF-900	11/23/2022	Concrete	flared end	36	Fair	Yes	Concrete flared end outfall, behind stop and shop, adjacent to busy road intersection. Natural erosion control of thick bushes, with intermittent stream, on top of hill.	No	No	--	--	-72.80798708	41.48504117
OF-519	11/23/2022	Concrete	endwall	36	Good	Yes	Concrete end wall outfall discharges into a 6 ft wide concrete channel, adjacent to roads. In commercial area.	No	No	--	--	-72.8061795	41.48466483
OF-517	11/23/2022	Concrete	flared end	36	Good	Yes	Concrete outfall pipe located in commercial area adjacent to road; discharges into bio retention swale containing phragmites and cattails.	No	No	--	--	-72.81113748	41.4785019
OF-520	11/23/2022	Concrete	flared end	60	Excellent	Yes	Outfall pipe in commercial area adjacent to commercial parking lot; discharges into perennial stream with reedy plant life along banks; brick sized riprap on top and sides of outfall; stream located in wooded area	No	No	--	--	-72.81065772	41.47870478
OF-521	11/23/2022	Concrete	flared end	24	Good	Yes	Flared end concrete outfall discharging into perennial stream within swale. Riprap around outfall. In commercial area.	No	No	--	--	-72.81251434	41.47609566
OF-523	11/23/2022	Plastic	flared end	48	Good	Yes	Plastic flared end outfall discharging into perennial stream, rip rap on top and around the sides of the outfall, in commercial area.	No	No	--	--	-72.81257584	41.47615161
OF-359	11/23/2022	--	--	--	--	--	Overgrown and inaccessible.	Further investigation needed.	No	--	--		
OF-803	11/23/2022	Plastic	flared end	36	Excellent	Yes	Outfall pipe located in commercial area discharging to grassy swale; gravel at mouth of outfall	No	No	--	--	-72.81104737	41.47580502
OF-801	11/23/2022	--	--	--	--	--	OF-801- Sewer access	Further investigation needed.				-72.81044516	41.47609028
OF-802	11/23/2022	Concrete	other	24	Fair	No	Concrete outfall discharging into small pond, wooded, in commercial area. Flooded with pond, might need clearing.	Maintenance-potential clearing of debris from pond.	No	--	--	-72.80702193	41.47658466
OF-796	11/23/2022	Concrete	flared end	60	Good	Yes	Outfall pipe located in wooded area of industrial neighborhood; discharges into intermittent stream; gravel and cobbles along bottom of stream; reed like plant life along banks of stream	No	No	--	--	-72.80725542	41.47525622
OF-795	11/23/2022	Precast	flared end	36	Good	No	Metal flared end outfall, discharges into intermittent stream parallel to road. Commercial area.	No	No	--	--	-72.80360259	41.47970819
OF-797	11/23/2022	Precast	flared end	36	Fair	Yes	Metal flared end, flows into intermittent stream within swale parallel to road. Commercial area. Some riprap on sides of outfall.	No	No	--	--	-72.80348542	41.4799022
OF-798	11/23/2022	Unknown	Unknown	Unknown	Poor	Unknown	Buried in leaf litter and overgrowth, needs clearing.	Maintenance-leaf litter removal and brush clearing	No	--	--	-72.80241855	41.4812473
OF-793	11/23/2022	Concrete	other	--	Poor	No	Concrete outfall buried in leaf litter, needs clearing.	Maintenance-leaf litter removal	No	--	--	-72.80292736	41.4808218
OF-790	11/23/2022	Concrete	flared end	Unknown	Poor	Unknown	Not visible; located in bio retention basin with phragmites and cattails	Maintenance-phragmites and cattail clearing.	No	--	--	-72.80042251	41.47789679
OF-791	11/23/2022	Unknown	Unknown	Unknown	Poor	Unknown	Not visible; located in bio retention basin with phragmites and cattails	Maintenance-phragmites and cattail clearing.	No	--	--	-72.79897301	41.47864634

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2023													
OF-713	3/29/2023	Concrete	endwall	24	Poor	No	Almost completely silted in, some refuse. Evidence of some water flow to toe of the slope, where storm water then infiltrates.	No	--	--	No	-72.82606096	41.42410064
OF-718	3/29/2023	Concrete	endwall	18	Good	Yes	Little sediment observed in pipe. Concrete swale discharging to larger concrete swale, which ultimately leads to culvert.	No	--	--	No	-72.82619605	41.42335597
OF-609	3/30/2023	Concrete	endwall	--	Good	Yes	Retention basin collecting storm water from neighboring businesses, emergency overflow located above basin.	No	--	--	No	-72.76387367	41.49673375
OF-608	3/30/2023	Concrete	flared end	48	Fair	No	Sediment buildup and pooling observed. Brush overgrowth located directly on top of flared end. Connected to upgradient catch basin located in nearby business parking lot.Water and sediment observed in catch basin. Sample collected.	Yes	Low	No color, odor or sheen observed	Yes	-72.76394627	41.49465776
OF-605	3/30/2023	Concrete	flared end	36	Good	Yes	Medium-large rip rap surrounding outfall retention basin.Some algae observed in pooling water. Overgrowth and sediment accumulation observed down gradient of outfall, absorbent boom observed on rip rap- no oily sheen, odor, or other indicators of a spill observed.	No	--	--	No	-72.76315536	41.49647905
OF-606	3/30/2023	Concrete	flared end	24	Poor	Yes	Mostly buried in sediment and silt. Medium-large rip rap observed channeling storm water away from upgradient building. Little algae and general refuse observed.	Yes	--	--	No	-72.76239528	41.49632588
OF-607	3/30/2023	Concrete	flared end	24	Fair	Yes	OF-607 observed partially submerged in retention basin, medium-large rip rap leading from upgradient to outfall	No	--	--	No	-72.76250383	41.49682855
OF-610	3/30/2023	Concrete	other	--	Fair	Yes	OF-610 36in square outfall partially submerged in retention basin, little sediment observed in and around outfall, medium-large rip rap around outfall, connected to upgradient catch basin located on USPS site, pipe leading from building into catch basin	No	--	--	No	-72.76702545	41.49544985
OF-942	3/30/2023	Plastic	flared end	16	Fair	No	OF-942 with lots of overgrowth and organic debris blocking flow path, little seepage from pipe, outfall located in between two commercial properties, strong burning odor/welding observed nearby, little refuse, and 2 unlabeled drums nearby outfall	No	--	--	No	-72.76023478	41.49302561
OF-943	3/30/2023	Plastic	flared end	16	Fair	No	OF-943 observed with silt some black color, commercial buildings observed nearby, one site appears to be a garage, rubber burning odor and welding observed at garage, staff mentioned that outfall causes severe ponding and flooding of gravel parking lot	Yes	Trickle	Some black sheen observed	Yes	-72.76009714	41.49291838
OF-928	3/31/2023	Concrete	flared end	24	Poor	No	OF-928 observed mostly buried in sediment, lots of overgrowth and debris restricting flow path into retention basin, lots of sediment and algae observed in basin	No	--	--	No	-72.78991195	41.49042337

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2023													
OF-926	3/31/2023	Concrete	flared end	24	Poor	No	OF-926 observed fully buried in sediment, lots of sediment accumulation and brush overgrowth restricting flow path to basin, lots of algae observed in basin	No	--	--	No	-72.79057252	41.49037818
OF-921	3/31/2023	Plastic	flared end	16	Fair	No	OF-921 observed with some some sediment accumulation inside and around outfall, sediment and overgrowth preventing flow path	No	--	--	No	-72.79295431	41.48767129
OF-919	3/31/2023	Concrete	--	18	Good	No	OF-919 observed with little silt/sediment accumulation inside pipe, lots of overgrowth observed surrounding outfall	No	--	--	No	-72.7945663	41.48692176
OF-696	4/7/2023	Concrete	other	12	Fair	No	OF-696 observed with minor deterioration at mouth of pipe, lots of algae observed in stream, possible organic sheen observed on storm water, lots of trash and overgrowth observed in flow path, evidence of curb removal taking in runoff	No	--	--	No	-72.80453933	41.44676832
OF-697	4/7/2023	Concrete	endwall	--	Poor	No	OF-697 observed completely silted in, evidence of road construction and curb cutting for run-on observed at outfall location, may have been disconnected from previous catch basin, lots of organic debris and general refuse observed in stream	No	--	--	No	-72.80457302	41.44609725
OF-555	4/7/2023	Concrete	flared end	24	Good	No	OF-555 connected to culvert (taking inflow) and connected to up gradient catch basin, medium to large rip rap around outfall, some silt and sediment observed in pipe, organic debris and sheen observed in storm water, sheen and metal rust at culvert	No	--	--	No	-72.80276219	41.44236544
OF-556	4/7/2023	Concrete	flared end	16	Fair	No	OF-556 observed with silt and sediment accumulation and leaf litter around pipe, restricting flow path, little rip rap observed, absorbent berms and sheen observed along downgradient stream	No	--	--	No	-72.80257533	41.44239298
OF-557	4/7/2023	Concrete	other	16	Good	Yes	OF-557 observed with some leaf litter and organic debris nearby restricting flow path, connected to up gradient catch basin	No	--	--	No	-72.80312116	41.44293998
OF-554	4/7/2023	Concrete	flared end	12	Fair	No	OF-554 observed with silt and sediment accumulation at mouth, leaf littler restricting flow path, lots of algae in stream	No	--	--	No	-72.80309192	41.44362724
OF-552	4/7/2023	--	--	24	Poor	Yes	OF-552 (metal pipe) observed mostly submerged with deterioration to mouth of pipe, sediment accumulation in pipe, small to medium riprap, lots of algae and organic debris, roof drain inlet from abutting property near outfall	No	--	--	No	-72.80263582	41.44384292
OF-553	4/7/2023	Plastic	other	4	Fair	No	OF-553 observed with some deterioration at mouth of pipe, curb cut to allow flow, likely connected to manhole and outfall in nearby wooded area	No	--	--	No	-72.80244893	41.44401899

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2023													
OF-559	4/7/2023	--	other	18	Fair	No	OF-559 observed with little deterioration to mouth, some sediment accumulation observed in basin, small riprap, connected to manhole cover and catch basin upgradient	No	--	--	No	-72.804151	41.43861926
--	4/7/2023	Concrete	flared end	16	Good	Yes	Observed with little algae and some sediment accumulation at mouth of pipe, little organic sheen observed in steam, little orange flocculation nearby, asphalt on top of and around outfall, connected to upgradient catch basin	No	--	--	No	-72.80560695	41.43659206
--	4/7/2023	Concrete	flared end	16	Fair	No	Pipe disconnected from flared end, organic sheen and yellow-orange flocculation observed at mouth of pipe, some sediment accumulation observed in stream, connected to upgradient catch basin	No	--	--	No	-72.80650799	41.43649018
OF-139	4/7/2023	Concrete	other	16	Fair	No	Disconnected from final pipe, little organic sheen observed at mouth of pipe, little foam and orange flocculation, sediment accumulation and leaf litter restricting flow	No	--	--	No	-72.80745533	41.43620757
OF-140	4/7/2023	Concrete	flared end	28	Good	Yes	Little algae in pipe, sediment accumulation around outfall and along stream, little foam and organic sheen observed, little medium-large riprap	No	--	--	No	-72.8083356	41.43584454
OF-141	4/7/2023	Concrete	other	12	Fair	No	Little deterioration at mouth of pipe, leaf litter, sediment accumulation and cinder blocks restricting flow, significant ponding nearby due to fallen tree and organic debris restricting flow	No	--	--	No	-72.80838936	41.43581514
OF-902	4/11/2023	Concrete	endwall	48	Good	Yes	OF-902. Drains into a large retention pond with phragmites. Standing water around the base of the outfall with some algae growth. Falling water could be heard from within the pipe but no flowing water observed. Some trash debris	No	--	--	No	-72.79068399	41.48412438
OF-903	4/11/2023	Concrete	rchflowdissipato	24	Fair	Yes	OF-903. Drains into a large retention pond with phragmites. No standing water at the base of the outfall. Some leaf build up.	No	--	--	No	-72.79078061	41.48361581
OF-904	4/11/2023	Concrete	endwall	28	Poor	No	OF-904. Outfall 2/3 blocked with leaf litter. Moderate trash debris. Outfall drains into a low forested area with no standing water observed. Erosion paths observed from the outfall.	No	--	--	No	-72.79198289	41.48350562
OF-909	4/11/2023	Concrete	flared end	30	Excellent	Yes	OF-909. Drains into a drainage swale lined with large cobbles. Some areas of wash out where cobbles are missing further down from the outfall. Very little trash debris.	No	--	--	No	-72.7957666	41.48470824
OF-893	4/11/2023	Precast	flared end	32	Good	Yes	OF-893. Left. Steel outfall. Drains into a shallow rocky stream with heavy algae growth. Algae growth observed within the outfall pipe and some hgroundwater intrusion with a light running flow of water from the outfall.	No	--	--	No	-72.79866577	41.489432

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2023													
OF-889	4/11/2023	Precast	flared end	32	Fair	Yes	OF-889. Steel construction. Flared end eroded, algae growth on the pipe. drains into a swampy area. Standing water at the base of the outfall. Groundwater intrusion with a light flow of water. Location different than mapped. Mapped spot is a manhole.	No	--	--	No	-72.79852006	41.49039574
OF-911	4/11/2023	Precast	flared end	24	Fair	Yes	OF-911. Steel. Drains into a a shallow stream bed with running water. Some sediment build up in pipe.	No	--	--	No	-72.79851755	41.48489423
OF-901	4/11/2023	Concrete	flared end	24	Poor	No	OF-901. Drains into a small stream with excessive algae growth and iron flocking. Sheen from organics on surface. No odor. Pipe almost completely full of standing water and leaf litter.	Yes	Trickle	cking. Unable to i	Samples collected 4/1	-72.80060547	41.48208296
OF-899	4/11/2023	Concrete	endwall	32	Good	No	OF-899. Flowing water with algae growth. No odors. Flows into wooded area. Some leaf litter berms forming and little trash debris. Actual location on marked screenshot	Yes	Steady	discoloration. Se	Yes. Collected 4/11/23	-72.80129971	41.48256406
OF-506	4/11/2023	Concrete	flared end	32	Good	No	OF-506. Two outfalls side by side. Drains into a small detention pond which was dry and mostly grassy. Area fenced and locked - no direct access so diameter unknown. Some grass growing into pipes but otherwise clear.	No	--	--	No	-72.80862806	41.48458098
OF-501	4/11/2023	Concrete	endwall	19	Fair	No	OF-501. Some sediment and leaf build up around outfall. Some to little trash debris. Pipe 1/3 blocked. Drainage follows ditch along roadside.	No	--	--	No	-72.80894309	41.48638072
OF-500	4/11/2023	Concrete	endwall	15	Fair	No	OF-500. Drains into a ditch along the roadside which was dry. Some sediment and leaf build up. Some trash debris. Pipe 1/4 blocked.	No	--	--	No	-72.80940375	41.48631425
OF-502	4/11/2023	Precast	endwall	16	Fair	No	OF-502. Steel pipe. Drains towards and open field area. Some sediment and leaf build up. No standing water but evidence of previously pooled water. Pipe 1/3 blocked with sediment.	No	--	--	No	-72.80919618	41.48593724
OF-1	4/12/2023	Plastic	other	12	Good	No	Plastic pipe off of roadside; discharges to field; significant sediment buildup and leaf litter blocking outfall discharge area, needs clearing; minor standing water; catch basin filled with leaf litter	No	--	--	No	-72.84171165	41.5131744
OF-604	4/12/2023	Plastic	flared end	24	Fair	Yes	OF-604, organic debris is mouth of outfall, rip rap in good condition, some sediment inside of outfall, located along gravel access road across from New Life Church	No	--	-	No	-72.75235842	41.49774745
OF-603	4/12/2023	Concrete	flared end	24	Poor	Yes	OF-603, organic debris and sediment almost completely blocking mouth, riprap in good condition, located across from 332 high hill road.	No	--	--	No	-72.7522962	41.49565097
OF-2	4/12/2023	Concrete	flared end	24	Good	Yes	OF-2 observed mostly free of debris, lots of medium to large rip rap, little flow, little foam in flow, connected to 2 CB, far CB completely obstructed by leaf litter and organic debris	No	--	--	No	-72.8433532	41.51140491

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2023													
OF-601	4/12/2023	Concrete	flared end	32	Excellent	Yes	OF-601, mouth cleared of organic debris and sediment, some riprap, located across from intersection of cliff side road and high hill road	No	--	--	No	-72.75217398	41.49254751
OF-598	4/12/2023	Concrete	flared end	27	Fair	Yes	OF-598, some organic debris and sediment in mouth of outfall, rip rap in good condition	No	--	--	No	-72.75209956	41.48951967
OF-600	4/12/2023	Concrete	flared end	24	Fair	Yes	OF-600, mouth of outfall partially blocked with organic debris and minor refuse, rip rap in good condition, located across from house with grey mailbox	No	--	--	No	-72.75199107	41.49101696
OF-5	4/12/2023	Concrete	flared end	14	Good	Yes	OF-5; concrete outfall connected to catch basin along roadway; riprap in the form of small cobbles along swale; swale flows into small stream in wooded area; leaf litter at flared end	No	--	--	No	-72.8437183	41.51069594
OF-599	4/12/2023	Concrete	flared end	32	Fair	Yes	OF-599, organic debris and sediment in mouth, some riprap, located across from 204 high hill road.	No	--	--	No	-72.75194336	41.4904204
OF-597	4/12/2023	Concrete	flared end	24	Poor	Yes	OF-597, almost completely filled in with sediment and organic debris, little rip rap, located across from 198 high hill rd	No	--	--	No	-72.75255454	41.48877113
OF-6	4/12/2023	Concrete	other	18	Fair	Yes	OF-6; concrete pipe located in wooded area between two residential houses; riprap along sides of pipe and drainage area in the form of small angular cobbles; small pond of foamy water in drainage; possibly connected to storm manhole up road	No	--	--	No	-72.84136963	41.50758534
OF-7	4/12/2023	Concrete	flared end	12	Good	Yes	OF-7 lots of riprap, little flow, lots of leaf litter on flow path	No	--	--	No	-72.84140753	41.50749192
OF-596	4/12/2023	Concrete	flared end	48	Excellent	No	OF-596, flared end with a stream coming out of it, little sediment in mouth, stream was flowing. Catch basins go directly into culverted stream that feed to outfall, located at intersection of high hill and carpenter	Yes	Steady	This is not illicit discharge, but rather the natural flow of the culverted stream	No, not illicit discharge	-72.75333898	41.48794236
OF-584	4/12/2023	Concrete	flared end	24	Poor	Yes	OF-584, very poor conditions with organic debris completely covering mouth, riprap covered as well, located across the street from 104 high hill road	No	--	--	No	-72.75564904	41.47848085
OF-271	4/12/2023	Concrete	other	16	Good	Yes	OF-271 little flow, small to large riprap, some leaf litter and organic debris, little ponding, little algae in flow, connected to CB across the street with inflow at all 4 sides	No	--	--	No	-72.84032825	41.50667504
OF-585	4/12/2023	Concrete	flared end	24	Poor	Yes	OF-585, outfall completely filled in and covered with organic debris and sediment, some rip rap, located across from 124 high hill rd	No	--	--	No	-72.75520994	41.48054816
OF-12	4/12/2023	Concrete	flared end	24	Excellent	Yes	OF-12; outfall located in wooded area along roadway; riprap in the form of medium sized boulders along edges of discharge area; discharge area is a small pond and mouth of outfall; connected to catch basin on road	No	--	--	No	-72.83887048	41.50512865

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2023													
OF-586	4/12/2023	Concrete	flared end	24	Poor	Yes	OF-586, outfall mostly filled with organic debris, discharge swale is filled with organics and sediment, some rip rap, located across from stone house	No	--	--	No	-72.75463174	41.48247268
OF-587	4/12/2023	Concrete	flared end	40	Excellent	Yes	OF-587, rip rap at mouth of outfall, two outfall pipes exist, one a culverted stream which was discharging, other connected to catch basins no discharge, located to the right of 160 high hill road when looking from outfall, map off but corrected in field	No	--	--	No	-72.75432395	41.48418904
OF-10	4/12/2023	Concrete	other	15	Good	Yes	OF-10 some sediment accumulation and organic debris in pipe, little flow, little sheen, flow into bio retention basin	No	--	--	No	-72.83890421	41.50602305
OF-590	4/12/2023	Concrete	flared end	32	Poor	Yes	OF-590, located across from 174 high hill road, organic debris and sediment completely covering the mouth, riprap also covered, map was off corrected in field	No	--	--	No	-72.75371074	41.48573092
OF-9	4/12/2023	Concrete	flared end	24	Poor	Yes	OF-9; outfall located in woods along road; connected to catch basin; outfall discharges to drainage pond and small stream; flooded with water containing an algae bloom; cobble riprap also buried and/or flooded over	No	--	--	No	-72.83932171	41.50454313
OF-588	4/12/2023	Concrete	flared end	27	Poor	No	OF-588, outfall is under water and filled with sediment, catch basin is backed up and filled with water, located near telephone pole with box that says P5319, appears to discharge into a swampy area so standing water may be a constant	No	--	--	No	-72.75270406	41.48483181
OF-8	4/12/2023	Concrete	flared end	--	Poor	No	OF-8 lots of sediment accumulation restricting flow, lots of algae, basin dry, oil sheen observed in connected catch basins	No	--	--	No	-72.84317394	41.50560139
OF-589	4/12/2023	Concrete	flared end	32	Excellent	Yes	OF-589, excellent condition with no organic debris covering the mouth or riprap	No	--	--	No	-72.75219376	41.4844925
OF-591	4/12/2023	Concrete	flared end	40	Good	Yes	OF-591, good condition with little organic debris located along riprap, slow flow of water coming out of the mouth, located at the end of the Wisk Key Wind road, flow of water is likely groundwater derived, neighborhood built into hill outfall at bottom	Yes	Low	--	No	-72.74638116	41.48565301
OF-16	4/12/2023	Concrete	flared end	24	Good	Yes	OF-16 little deterioration to flared end, lots of algae in water, organic odor	No	--	--	No	-72.83407258	41.5005572
--	4/12/2023	Plastic	other	4	--	--	Not an outfall, this catch basin has a black plastic pipe discharging into it, the pipe appears to come from 50 Wisk-Key Way, the discharge from this pipe ends up flowing from outfall 591	Yes	Low	Water flowing out of plastic pipe coming from house	Yes, Discharge-1, 9:30	-72.74702578	41.48570949
OF-14	4/12/2023	Concrete	flared end	18	Fair	Yes	OF-14; outfall located in wooded area adjacent to culvert; rip rap in the form of small angular cobbles along sides of outfall and swale; discharges to small swale connected to culverted stream at the base; minor sediment and leaf litter buildup	No	--	--	No	-72.83670483	41.50389274

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2023													
OF-272	4/12/2023	Concrete	flared end	12	Excellent	Yes	OF-272; Outfall located in wooded area along road; discharges to drainage swale parallel to road; riprap in the form of small cobbles; riprap extends into outfall pipe; no sediment buildup; connected to catch basin	No	--	--	No	-72.83540812	41.50116524
OF-17	4/12/2023	Concrete	flared end	14	Good	Yes	OF-17 little flow, lots of algae and organic debris, frog eggs (bubbles) in pipe, riprap swale leading into woods	No	--	--	No	-72.83826752	41.49963109
OF-20	4/12/2023	Concrete	flared end	12	Good	Yes	OF-20; outfall located in between two residential houses; riprap in the form of medium cobbles around the pipe and into riprap swale to woods; significant sediment and leaf litter blockage; needs clearing; connected to catch basin	No	--	--	No	-72.83806033	41.49626454
OF-19	4/12/2023	Concrete	other	12	Good	No	OF-19 observed dry, leaf litter and sediment accumulation along swale, owner of abutting property explained that he has cleared out swale several times, very muddy in wet conditions, swale leading into woods	No	--	--	No	-72.83873299	41.49515369
OF-594	4/12/2023	Concrete	flared end	32	Excellent	Yes	OF-594, located in between two houses, rip rap present, small trickle attributed to groundwater, water was clear no odor	Yes	Trickle	Groundwater derived, clear, no odor, could not get picture	No	-72.74806592	41.48824178
OF-593	4/12/2023	--	--	--	--	--	OF-593, could not access, located behold someone's house. Knocked on door to ask for permission, no answer	No	--	--	No	-72.74763232	41.48931385
OF-592	4/12/2023	--	--	--	--	--	OF-592, located behind someone's house, knocked on door to ask for permission no one answered, did not look for outfall	No	--	--	No	-72.74900154	41.49191512
OF-438	4/12/2023	Concrete	endwall	54	Good	No	OF-438 algae/organic debris and bubbles in water, general refuse (3 bags of dog poop), drainage swale/stream flow into woods	No	--	--	No	-72.83482538	41.49314639
OF-595	4/12/2023	Concrete	flared end	40	Fair	No	OF-595, organic debris covering but not blocking water flow and mouth, no erosion control and swamp-like stream that the mouth discharges into	Yes	Trickle	Discharges into waterbody	No	-72.75559426	41.48805307
OF-624	4/12/2023	Plastic	flared end	20	Good	No	OF-624, clear of debris, little to no rip rap in drainage swale	No	--	--	No	-72.75899513	41.48809635
OF-626	4/12/2023	Plastic	flared end	20	Good	No	OF-626, rip rap st mouth of outfall, little sediment and organic debris, outfall comes from a catch basin located next to a retention basin in woods, acres road comes down from driveway	No	--	--	No	-72.75882849	41.4882407
OF-625	4/12/2023	Concrete	flared end	40	Poor	No	OF-625, very thick brush all around the mouth, no riprap, trickling discharge into a small stream associated with natural stream flow	No	--	--	No	-72.75873278	41.48774147
OF-623	4/12/2023	Plastic	flared end	20	Excellent	Yes	OF-623, outfall goes into a retention basin, rip rap in good condition, little organic debris, walk down access road, marked with flagging tape	No	--	--	No	-72.75890377	41.48853342
OF-621	4/12/2023	Plastic	flared end	20	Excellent	Yes	OF-621, outfall goes into a retention basin, rip rap present, not sure this is actual outfall, point on map was in the middle of two pipes	No	--	--	No	-72.76044221	41.48936361

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2023													
OF-948	4/12/2023	Concrete	flared end	36	Good	No	OF-948, partially filled with sediment, organic debris in mouth, no rip rap present, marked with pink tap	No	--	--	No	-72.76121612	41.490298
OF-947	4/12/2023	Plastic	flared end	24	Poor	No	OF-947, organic debris and sediment covering mouth and also inside catch basin, no riprap	No	--	--	No	-72.7602379	41.49061797
OF-946	4/12/2023	Plastic	flared end	24	Good	Yes	Labeled wrong on map, should be OF-946, mouth and riprap are clear of organic debris, concrete structure in woods receives water from 4 plastic pipe and then flows to OF	No	--	--	No	-72.76069667	41.49069207
OF-282	4/12/2023	Precast	flared end	24	Good	Yes	OF-282; aluminum pipe located in wooded area between two residential houses; oxygen bubbles at mouth of outfall from algae; low flow to riprap drainage swale to woods; small cobble riprap; connected to catch basin	No	--	--	No	-72.83554768	41.50547296
OF-945	4/12/2023	Plastic	flared end	40	Poor	No	OF-945, organic debris covering entire mouth but not blocking possible water flow, no riprap erosion control	No	--	--	No	-72.76007572	41.49094487
OF-944	4/12/2023	Plastic	flared end	32	Good	--	OF-944, catch basin in woods receives water then discharged to outfall, rip rap present, another OF was there, likely connected to catch basin adjacent to driveway	No	--	--	No	-72.76013113	41.49099638
OF-3	4/12/2023	Concrete	other	12	--	Yes	OF-3; concrete pipe in wooded area adjacent to gravel driveway; small cobble riprap on sides and top of pipe; low flow discharge into natural swale to woods	No	--	--	No	-72.83768597	41.51307258
OF-941	4/12/2023	Precast	endwall	12	Good	Yes	OF-941, catch basin located in woods with a hole in side that is the outfall, catch basin also discharges towards OF-940, rip rap present, location not right, fixed in field	No	--	--	No	-72.76107899	41.4912971
OF-4	4/12/2023	Concrete	flared end	24	Good	Yes	OF-4; outfall located in woods adjacent to gravel driveway; medium cobble riprap along perimeter of outfall; discharges to natural swale in woods without riprap	No	--	--	No	-72.83755809	41.5127927
OF-941	4/12/2023	Plastic	flared end	32	Good	Yes	OF-941, organic debris covering parts of riprap but not blocking mouth for water flow, an adjacent pipe from 941 discharges into the same riprap as well	No	--	--	No	-72.76117872	41.49125885
OF-612	4/12/2023	Plastic	flared end	24	Fair	Yes	OF-612, refuse in OF, rip rap present, discharges into retention basin, some water in basin	No	--	--	No	-72.76377035	41.49117203
OF-611	4/12/2023	--	--	--	Poor	--	OF-611, could not locate actual OF, believed that OF is connected to white pipe in retention basin, found what looks to be drainage awake, but OF might be buried	No	--	--	No	-72.76371594	41.49140394
OF-613	4/12/2023	Plastic	flared end	12	Excellent	Yes	OF-613, plenty of rip rap, OF free of debris, catch basin appears to have some kind of fabric below the grate to catch solids	No	--	--	No	-72.76380356	41.49005764
OF-616	4/12/2023	--	--	--	Poor	Yes	OF-616, outfall is believed to be underneath a tree, could not locate actual pipe, but rip rap drainage and swale indicate the OF is there, catch basin has water	No	--	--	No	-72.76256034	41.49038398

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2023													
OF-618	4/12/2023	Plastic	flared end	24	Poor	No	OF-618, no riprap visible, organic debris covering path for waterflow as well as the mouth of the pipe	No	--	--	No	-72.76241971	41.49030514
OF-163	4/12/2023	Concrete	flared end	24	Excellent	Yes	OF-163; outfall located in wooded area adjacent to parking area of industrial facility; small cobble riprap along all sides of outfall and drainage swale; outfall discharges to drainage swale with steep banks towards route 15	No	--	--	No	-72.83907801	41.45122925
OF-615	4/12/2023	Concrete	--	24	Poor	No	OF-615, two outfalls, both partially filled with sediment, covered with organic debris, discharge into a stream, one pipe is likely a culverted stream, the other is connected to the catch basin at intersection of carpenter and research	No	--	--	No	-72.76286375	41.48797008
OF-614	4/12/2023	Concrete	flared end	40	Fair	No	OF-614, there are two pipes, one is a culverted stream with flow, the other is connected to the catch basin and is the outfall and has no flow, there is no riprap, goes directly into stream, organic debris covering the mouths of both pipes	Yes	--	One pipe is a for a slow stream	No	-72.76261553	41.48798567
OF-627	4/12/2023	Concrete	flared end	30	Poor	Yes	OF-627, outfall pipe is separated from flared end, rip rap in mouth of outfall, overgrown, partially filled with sediment	No	--	--	No	-72.76096669	41.48776453
OF-213	4/12/2023	Concrete	flared end	12	Poor	No	OF-273; outfall located in wooded area behind residential houses; outfall pipe broken into 3 pieces and disconnected from system; discharges to small pond with algal bloom and submerged oxygen bubbles; sediment and leaf litter (clear); pipe needs repair	No	--	--	No	-72.83287145	41.49939579
OF-938	4/12/2023	Concrete	endwall	12	Poor	No	OF-938, organic debris and sediment covering roughly 80 percent of the hole, no riprap and very little area for the water to discharge	No	--	--	No	-72.76790087	41.48849003
OF-631	4/12/2023	HDPE	other	6	Good	Yes	OF-631 3 pipes coming from retention basin, rip rap present, slightly blocked by sediment	No	--	--	No	-72.7637212	41.48628308
OF-274	4/12/2023	--	--	--	Poor	No	OF-274; outfall located in the wooded area behind residence; completely buried in downed trees and brush; unknown material; discharges to riprap (small cobbles) drainage swale towards woodland stream; connected to catch basin on street	No	--	--	No	-72.83300642	41.49841988
OF-630	4/12/2023	Concrete	flared end	30	--	Yes	OF-630, partially blocked with organic debris and sediment, wasn't very much riprap	No	--	--	No	-72.76370022	41.48656159
OF-633	4/12/2023	Concrete	flared end	24	Fair	Yes	OF-633, some organic debris and sediment covering mouth and riprap	No	--	--	No	-72.76431955	41.48475649
OF-455	4/12/2023	Concrete	flared end	--	Poor	Yes	OF-455 significant sediment accumulation, pipe almost fully silted in, small to medium riprap along stream, lots of overgrowth at outfall location, flow path into woods	No	--	--	No	-72.83051397	41.50175949
OF-628	4/12/2023	Concrete	flared end	40	Fair	Yes	OF-628, outfall partially filled with sediment, organic debris and refuse in drainage swale, rip rap covered by sediment	No	--	--	No	-72.7635278	41.48488156

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2023													
OF-632	4/12/2023	Plastic	flared end	24	Fair	No	OF-632, drainage pipe was clear of organic debris, some sediment build up at the mouth, no riprap	No	--	--	No	-72.76389995	41.48528803
OF-275	4/12/2023	Concrete	flared end	36	--	Yes	OF-275 ponded water with organic sheen/foam, small riprap along drainage swale, flow into woods, small fallen tree on flared end, connected to two CB, CB across the street connected to concrete box with inflow	No	--	--	No	-72.83307178	41.49712123
OF-276	4/12/2023	N/A	other	48	Good	Yes	OF-276; Outfall located on side of road; directs sheetflow towards culverted stream below; asphalt curb acts as erosion control; stream water clear with a steady flow; catch basin directs flow to stream; evidence of new catch basin	No	--	--	No	-72.83001157	41.49725234
OF-448	4/12/2023	Concrete	flared end	36	Good	Yes	OF-448 some flow, also a culvert, connected to 2 CB, small to large riprap around discharge area, little algae and bubbles,	No	--	--	No	-72.82888668	41.49481579
OF-636	4/13/2023	Concrete	flared end	40	Good	Yes	OF-636, some organic debris and sediment in mouth of outfall, general refuse is discharge swale, rip rap present, across from auto home and life business	No	--	--	No	-72.76342185	41.48280705
OF-634	4/13/2023	Plastic	flared end	12	Excellent	Yes	OF-634- across the street looks like recently redone stormwater runoff system, outfall directly across the street from point. Plastic flared end outfall with rip rap erosion control in good condition.	No	--	--	No	-72.76386283	41.4839095
OF-635	4/13/2023	--	--	--	--	--	OF-635, could not locate outfall, there is no pipe from catch basin that goes to where outfall is supposed to be	No	--	--	No	-72.76337878	41.48332102
OF-638	4/13/2023	HDPE	flared end	12	Good	Yes	OF-638, some sediment and organic debris in mouth of outfall, discharges in retention basin, some rip rap, two manholes go to outfall	No	--	--	No	-72.76451211	41.48260066
OF-637	4/13/2023	Concrete	flared end	12	Good	Yes	OF-637- concrete flared end outfall with rip rap erosion control in good condition.	No	--	--	No	-72.764057	41.4826141
OF-639	4/13/2023	HDPE	flared end	12	Good	Yes	OF-639, outfall goes into retention basin, series of manholes go to outfall, rip rap present, minor refuse and sediment in mouth	No	--	--	No	-72.76476505	41.48266308
OF-640	4/13/2023	--	--	--	--	--	OF-640, could not access outfall as it is behind a barbed wire fence, found catch basin in woods that drains to outfall	No	--	--	No	-72.76339101	41.48170056
OF-277	4/13/2023	Precast	flared end	18	Poor	Yes	OF-277; outfall located in wooded area behind residence; significant rust on the outfall; discharges to riprap (small cobbles) drainage swale to stream; owner of property removed riprap dam in stream last year	No	--	--	No	-72.82829315	41.49850067
OF-641	4/13/2023	--	--	--	--	--	OF-641, located behind an abandoned school, could not access due to fences	No	--	--	No	-72.76177131	41.48204751
OF-280	4/13/2023	Concrete	endwall	12	Excellent	Yes	OF-280; concrete outfall located in a culverted stream; connected to catch basin; discharges to culverted stream with gravel bed; manmade stone wall banks; clear water with steady stream	No	--	--	No	-72.82680181	41.49879279

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2023													
OF-642	4/13/2023	--	--	--	--	--	OF-642, could not access, fenced in property that is closed and abandoned	No	--	--	No	-72.75909263	41.4820321
OF-646	4/13/2023	--	--	--	--	--	OF-646- could not access, fenced in property that is closed and abandoned	No	--	--	No	-72.76389102	41.48015694
OF-279	4/13/2023	Precast	endwall	60	Good	Yes	OF-279; aluminum pipe within concrete end wall; connected to catch basin; acts as a culvert and outfall; discharges to concrete drainage canal connected to stream in wooded area behind residences; clear, low flow	No	--	--	No	-72.82601223	41.49761171
OF-643	4/13/2023	--	--	--	--	--	OF-643, could not access, fenced in property that is closed and abandoned	No	--	--	No	-72.76131584	41.48058323
OF-645	4/13/2023	--	--	--	--	--	OF-645- could not access, fenced in property that is closed and abandoned	No	--	--	No	-72.76317412	41.47992156
OF-644	4/13/2023	--	--	--	--	--	OF-644, could not access, fenced in property that is closed and abandoned	No	--	--	NO	-72.76149515	41.48057533
OF-278	4/13/2023	--	--	--	Poor	--	OF-278 could not locate, likely buried, owner of abutting property (10 years) hasn't seen outfall, new construction on property, 2 pipes (white and black) from private property into nearby CB. One pipe is curtain drain and one circles foundation	No	--	--	No	-72.82710554	41.49766363
OF-651	4/13/2023	Precast	flared end	36	Good	Yes	OF-651, outfall discharges into a stream, stream was flowing during inspection, rip rap in place, some general refuse	No	--	--	No	-72.76838995	41.47971091
OF-651	4/13/2023	Precast	endwall	18	Poor	Yes	OF-651, outfall covered and filled with sediment, some rip rap and general refuse	No	--	--	No	-72.76878377	41.47927254
OF-50	4/13/2023	Concrete	other	24	Good	Yes	OF-50; outfall located in wooded area adjacent to road; concrete pipe connected to catch basin; discharges to riprap (small cobbles) drainage swale pitched downwards towards woods	No	--	--	No	-72.82487872	41.50030066
OF-652	4/13/2023	Precast	flared end	12	Fair	No	OF-652- corrected location in field, metal flared end outfall on side of road, no erosion control observed	No	--	--	No	-72.76551415	41.47585941
OF-647	4/13/2023	Concrete	endwall	18	Good	Yes	OF-647, culverted stream flowing out of outfall into Muddy River, rip rap in place, minor sediment built up in pipe	No	--	--	No	-72.76540753	41.47678686
OF-649	4/13/2023	Concrete	endwall	48	Good	Yes	OF-649- concrete end wall outfall with rip rap erosion control, flows into a culverted stream that discharges into a muddy river	No	--	--	No	-72.76548092	41.47679045
OF-51	4/13/2023	--	--	--	Poor	No	OF-51; could not locate; most likely buried in brush; catch basin on road observed to be completely filled with leaf litter	No	--	--	No	-72.82163128	41.50018957
OF-648	4/13/2023	--	--	--	--	--	OF-648, could not locate outfall, too much brush growth	No	--	--	No	-72.76538172	41.47676822
OF-655	4/13/2023	--	--	--	--	--	OF-655, could not access outfall, located behind someone's house	No	--	--	No	-72.7679023	41.4715546
OF-647	4/13/2023	--	--	--	--	--	OF-647- could not access, private property	No	--	--	No	-72.76361437	41.46764308
QR-4	4/13/2023	Concrete	other	24	Fair	Yes	QR-4; outfall located along bank of Quinnipiac River; discharges to medium cobble riprap drainage swale connected to river; half buried in leaf litter; needs clearing	No	--	--	No	-72.81840399	41.49965271

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2023													
OF-648	4/13/2023	Concrete	flared end	20	Good	Yes	OF-658, flared end outfall on side of road in residential area, with rip rap erosion in good condition, flows into wooded area,	No	--	--	No	-72.75988331	41.46778558
OF-656	4/13/2023	--	--	--	--	--	OF-656- unable to locate	No	--	--	No	-72.76022743	41.47289181
OF-476	4/13/2023	Concrete	flared end	24	Good	Yes	OF-476 little standing water and organic sheen in basin, small riprap around flared end, storm drain manhole nearby	No	--	--	No	-72.81561473	41.50532077
OF-653	4/13/2023	Concrete	other	24	Good	No	OF-653- outfall on side of road in residential area, no erosion control observed	No	--	--	No	-72.76361873	41.47496262
OF-477	4/13/2023	Concrete	flared end	16	Fair	Yes	OF-477; outfall located in wooded area of residential condos; connected to catch basin; discharges to large sediment swale; fenced in; pvc pipe also discharges to same area; flared end filled with sediment and leaves; needs clearing	No	--	--	No	-72.81311859	41.50325756
OF-583	4/13/2023	Concrete	flared end	24	Fair	No	OF-582- flared end concrete outfall at the end of a dead end road in a residential neighborhood, no erosion control observed, thick brush surrounding it	No	--	--	No	-72.75540085	41.47271949
OF-478	4/13/2023	--	--	--	--	No	OF-478 curb cut to channel storm water, two 16in metal pipes acting as culvert at outfall location, no nearby catch basins observed, evidence of road construction (CB may have been removed)	No	--	--	No	-72.81202667	41.50428442
OF-583	4/13/2023	Precast	other	12	Poor	No	OF-583- very rusted/ corroded outfall on side of busy road. Flows into a seasonal stream in a wooded area	No	--	--	No	-72.75585159	41.46965591
OF-581	4/13/2023	Precast	endwall	24	Poor	No	OF-581, outfall discharges into a stream, outfall is almost completely blocked with sediment and organic debris, some refuse, no rip rap	No	--	--	No	-72.7539675	41.46992836
OF-579	4/13/2023	Plastic	flared end	30	Poor	No	OF-579, outfall pipe is broken is several spots, outfall is significantly overgrown and covered with organics, sediment covers mouth of outfall, no rip rap visible	No	--	--	No	-72.74782525	41.47186995
OF-580	4/13/2023	Plastic	flared end	12	Good	No	OF-580- flared end plastic outfall in wooded ditch next to residential driveway, flows into drainage depression/ basin, no erosion control observed	No	--	--	No	-72.74769169	41.47213252
OF-479	4/13/2023	Concrete	endwall	16	Good	No	OF-479: 3, 16 in pipes at end wall, two pipes likely connected to culvert across gravel road, OF likely connected to CB in grassy area covered with organic debris, lots of overgrowth, little general reuse (scrap metal) nearby	No	--	--	No	-72.81171777	41.50531673
OF-578	4/13/2023	--	--	--	--	--	OF-578 located catch basin and found direction of outflow pipe, could not locate actual outfall, is likely covered with brush and organic debris	No	--	--	No	-72.74672236	41.47311241
QR-2	4/13/2023	Concrete	flared end	24	Good	Yes	QR-2 little flow, little algae on flared end and on pond, some foam, medium riprap, no nearby CB observed, abutting property with piles of gravel and brush, CB may be covered	No	-	--	No	-72.81914192	41.50255608

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2023													
OF-570	4/13/2023	--	--	--	--	--	OF-570 Unable to locate, catch basin drains downhill into wooded swale/ marshland on side of road	No	--	--	No	-72.74547178	41.46935871
OF-567	4/13/2023	Concrete	flared end	12	Good	Yes	OF-567- concrete flared end outfall with rip rap erosion control in good condition, flows down hill from street into wooded marshland	No	--	--	No	-72.74602845	41.46466681
OF-480	4/13/2023	--	--	--	Poor	No	OF-480; outfall located in overgrowth on side of road between commercial plazas; unable to locate; possibly buried in brush and sediment; catch basin on road observed to possibly connect	No	--	--	No	-72.81092368	41.5026453
OF-574	4/13/2023	--	other	--	--	--	OF-574- hole in the ground filled with water in a wooded marshland next to the road- no other outfall located	No	--	--	No	-72.74028165	41.47133592
OF-481	4/13/2023	Concrete	endwall	24	Good	Yes	OF-481 connected to 2 CB, orange flocculation in pipe, riprap along stream, little foam and organic sheen in standing water, 1 small discharge pipe to the left of OF, 1 metal discharge pipe slightly downstream (both 8 in and dry)	No	--	--	No	-72.81327777	41.49956249
OF-572	4/13/2023	--	--	--	--	--	OF-572, outfall appears to be a hole in the ground, no actual pipe can be located, but there are other outfalls in the area that have the same hole in the ground with a sign sticking out of it in line with catch basins	No	--	--	No	-72.74324449	41.46998991
OF-575	4/13/2023	--	other	--	--	--	OF-575- drainage pond off of street in wooded marshland	No	--	--	No	-72.74120569	41.47146518
OF-482	4/13/2023	Concrete	endwall	36	Excellent	Yes	OF-482; outfall located in wooded area near main road and automotive business; discharges to medium cobble riprap drainage swale with low flow water; connected to catch basin; catch basin contains standing water above pipe	No	--	--	No	-72.81338372	41.49887579
OF-483	4/13/2023	Concrete	endwall	36	Poor	Yes	OF-483; outfall located in brush on side of road; discharges to swale covered in downed brush; sediment and brush buildup around opening; connected to catch basin	No	--	--	No	-72.81338372	41.49887579
OF-576	4/13/2023	Precast	endwall	24	Fair	No	OF-576, outfall goes under train tracks, no rip rap visible, water covering outfal	No	--	--	No	-72.73665475	41.47326748
OF-577	4/13/2023	Concrete	flared end	20	Poor	Yes	OF-577, outfall is mostly blocked and covered with sediment and organic debris, rip rap in place	No	--	--	No	-72.73521463	41.47338978
OF-55	4/13/2023	--	--	--	--	--	OF-55 could not locate, lots of riprap alongside hill to railroad tracks, dry swale at bottom of hill	No	--	--	No	-72.81444143	41.49803973
OF-57	4/13/2023	Concrete	flared end	12	Poor	No	OF-57; outfall located in wooded area next to road; discharges to small swale with no visible erosion control; outfall filled with leaf litter and general refuse (needs clearing); connected to catch basin across street (filled with debris)	No	--	--	No	-72.81546382	41.49766428
OF-56	4/13/2023	Concrete	endwall	12	Fair	No	OF-56 lots of sediment accumulation, connected to to CB across street, outfall discharges into dry swale, curb cut near OF to channel SW, may actually be OF-55 (not found near train tracks)	No	--	--	No	-72.81447156	41.49796279

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2023													
OF-58	4/13/2023	Concrete	flared end	16	Fair	No	OF-58 lots of sediment accumulation, connected to CB in grassy area of abutting property, OF discharges into front yard of 515 main st, some rill erosion, leads to culvert	No	--	--	No	-72.81543703	41.49624205
OF-452	4/13/2023	Precast	endwall	18	Fair	Yes	OF-452; out all located in wooded area between residences; discharges to drainage channel/stream; concrete surrounding outfall; connected to catch basin and in area of culvert	No	--	--	No	-72.82296179	41.49551939
OF-454	4/13/2023	Precast	endwall	16	Fair	Yes	OF-454; outfall located in wooded area between residences in drainage channel; channel contains small riprap on banks; culvert adjacent; clear, steady stream in water	No	--	--	No	-72.82334036	41.49549108
OF-451	4/13/2023	Concrete	endwall	12	Fair	Yes	OF-451 disconnected at end, end wall breaking, some sediment accumulation along stream, lots of riprap, little organic sheen in standing water	No	--	--	No	-72.82398092	41.49521478
OF-450	4/13/2023	--	flared end	16	Good	No	OF-450 little riprap along stream, algae on stone, 2 other discharge pipes nearby (32 in concrete with flow and 20 in black plastic dry), lots of sediment accumulation and organic sheen near concrete pipe, could not locate source of flow or black pipe	No	--	--	No	-72.82485624	41.4954048
OF-654	4/13/2023	Precast	endwall	18	Fair	Yes	OF-654, outfall directly from catch basin is an end wall, rip rap present, discharge flows down drainage swale into another pipe, flared end, flared end is buried under brush	No	--	--	No	-72.77053253	41.47305416
OF-449	4/13/2023	Concrete	endwall	16	Excellent	No	OF-449; outfall located in wooded area to rear of residence; discharges to stream via hill; no riprap visible; connected to catch basin	No	--	--	No	-72.82691243	41.49392047
OF-663	4/13/2023	Concrete	flared end	12	Good	Yes	OF-663- concrete flared end outfall next to street in residential neighborhood, flows into stream, rip rap erosion control in good condition	No	--	--	No	-72.77009462	41.46708365
OF-662	4/13/2023	Concrete	flared end	24	Good	Yes	OF-662, no organic debris or sediment covering mouth of outfall, some riprap for erosion control	No	--	--	No	-72.76989962	41.4671605
OF-665	4/13/2023	--	--	--	--	--	OF-665, could not locate outfall pipe, is likely covered by homeowners mulch, discharge is likely into the stream	No	-	--	No	-72.77110737	41.46757455
OF-664	4/13/2023	--	--	--	--	--	OF-664, could not locate actual outfall, likely discharges into stream, located on someone's property and did not want to go on their property	No	--	--	No	-72.7713846	41.46780774
OF-442	4/13/2023	Concrete	endwall	36	Good	Yes	OF-442; outfall located in wooded culverted stream at corner of two roads; discharges to stream; organic sheen with iron floc in discharge area; large felled tree blocking flown	No	--	--	No	-72.82815976	41.49237967
OF-445	4/13/2023	--	--	--	--	--	OF-445 could not locate, likely buried under fallen tree and organ debris, catch basin nearby with standing water and significant organic debris	No	--	--	No	-72.82821984	41.4923719
OF-661	4/13/2023	Concrete	flared end	12	Good	Yes	OF-661- concrete flared end outfall on side of road, flows into stream in residential neighborhood, rip rap erosion control	No	--	--	No	-72.76775572	41.46738507

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2023													
OF-444	4/13/2023	--	--	--	--	--	OF-444 could not locate, likely buried by fallen trees and organic debris, organic sheen and algae in water, culvert nearby	No	--	--	No	-72.82824201	41.49235591
OF-660	4/13/2023	Precast	endwall	18	Excellent	Yes	OF-660, catch basins go into culvert under bridge, outfall is located underneath bridge inside of a concrete tunnel, rip rap in place, outfall ends up in stream	No	--	--	No	-72.76803181	41.46515437
OF-659	4/13/2023	Concrete	endwall	32	Good	No	OF-659, outfall is inside a tunnel under the bridge next to a stream, no organic debris or sediment covering the mouth of the tunnel	No	--	--	No	-72.76795991	41.46526488
OF-447	4/13/2023	Concrete	other	12	Poor	No	OF-447; outfall located in wooded area by residence; discharges to flat drainage basin with significant sediment buildup; no riprap visible; pipe buried and needs to be cleared	No	--	--	No	-72.82557183	41.49050594
OF-824	4/13/2023	Concrete	other	12	Fair	No	OF-824- outfall flowing from street to stream under a foot bridge in a residential neighborhood, some staining from iron flocculation, no erosion control	No	--	--	No	-72.76641998	41.46089469
OF-822	4/13/2023	Concrete	flared end	24	Poor	Yes	OF-822 outfall is mostly blocked by sediment and organics, some refuse, rip rap in place, drains into swampy area	No	--	--	No	-72.76850295	41.46249567
OF-473	4/13/2023	Concrete	endwall	12	Fair	No	OF-473; outfall located in small wooded basin behind bleachers; discharges to pond with phragmites and trees; algae and organic matter visible; connected to storm manhole	No	--	--	No	-72.83260003	41.48783615
OF-823	4/13/2023	Concrete	flared end	24	Poor	No	OF-823, organic debris and sediment covering and partially blocking the mouth of the outfall	No	--	--	No	-72.77136512	41.46286496
OF-821	4/13/2023	--	--	--	--	--	OF-821- unable to access, on residential property and owner was not home	No	--	--	No	-72.77226687	41.4641674
OF-820	4/13/2023	Concrete	flared end	24	Poor	Yes	OF-820, outfall is raised above drainage swale, rip rap present, flared end is separated from pipe, slightly overgrown	No	--	--	No	-72.77261206	41.46384951
OF-434	4/14/2023	Concrete	flared end	12	Good	Yes	OF-434- concrete flared end outfall in residential neighborhood with rip rap erosion control, flows into a wooded area, in good condition	No	--	--	No	-72.83742951	41.48930729
OF-828	4/14/2023	Concrete	other	12	Poor	No	OF-828, outfall is almost completely blocked with sediment, discharges directly into pond, c at ch basin partially filled with organic debris	No	--	--	No	-72.76822086	41.45750884
OF-435	4/14/2023	Concrete	flared end	12	Poor	No	OF-435- concrete flared end outfall, covered in leaf litter and brush, needs to be cleared out, in residential neighborhood, no erosion control area observed	No	--	--	No	-72.83664661	41.49000958
OF-437	4/14/2023	--	--	--	Poor	No	OF-437; outfall located in wooded area between residences; completely buried in leaf litter and unable to be located; connected to catch basin; catch basin filled with debris	No	--	--	No	-72.83618186	41.49053673
OF-827	4/14/2023	--	--	--	--	--	OF-827, could not locate the outfall, behind someone's fenced in property	No	--	--	No	-72.7691466	41.45630231
OF-436	4/14/2023	--	--	--	--	--	OF-436- unable to access, behind residential houses, private property	No	--	--	No	-72.83594838	41.48920889
OF-850	4/14/2023	--	--	--	--	--	OF-850, could not locate outfall, behind someone's house	No	--	--	No	-72.77322279	41.45267786

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2023													
OF-844	4/14/2023	--	--	--	--	--	OF-844, could not access, located behind someone's house, outfall likely discharges into pond	No	--	--	No	-72.773518	41.45145841
OF-841	4/14/2023	Concrete	flared end	24	Good	Yes	OF-841, no organic debris covering outfall, discharge from culverted stream	No	--	--	No	-72.77647994	41.44634109
OF-474	4/14/2023	--	--	--	Poor	Yes	OF-474; outfall located in woods adjacent to school; discharges to medium stone riprap drainage swale; covered in brush and inaccessible	No	--	--	No	-72.83622805	41.48816908
OF-842	4/14/2023	Plastic	other	24	Poor	No	OF-842, no riprap erosion control, a log was located directly in front of the outfall as well, and the pipe was steel but there wasn't an option for that in the materials section so I put plastic	No	--	--	No	-72.77636933	41.44638677
OF-843	4/14/2023	Concrete	flared end	24	Fair	Yes	OF-843, outfall is partially blocked by sediment, water sitting in mouth, rip rap not visible in discharge swale, water in catch basin	No	--	--	No	-72.77717721	41.44656787
OF-840	4/14/2023	Concrete	flared end	24	Fair	No	OF-840, no riprap erosion control, organic debris and sediment in the mouth of the outfall but not blocking it	No	--	--	No	-72.77954526	41.44715967
OF-475	4/14/2023	Concrete	endwall	12	Good	Yes	OF-475- concrete end wall outfall behind a football field of a school, flows into a wooded wetland, rip rap erosion control in good condition, connected to stormwater man hole	No	--	--	No	-72.83366981	41.48836255
OF-578	4/14/2023	Concrete	flared end	24	Poor	No	OF-578, no riprap erosion control, sediment and organic debris build up in the mouth of the outfall	No	--	--	No	-72.78600284	41.44151906
OF-850	4/14/2023	Concrete	flared end	30	Good	Yes	OF-850, outfall pipe receives a culverted stream, stream was flowing into outfall during inspection, slightly overgrown, rip rap in place	No	--	--	No	-72.78654625	41.44110634
OF-579	4/14/2023	Precast	other	4	Fair	Yes	OF-579, large concrete structure with a square hole in it, metal grate around square hole likely to stop large debris, overgrown and hard to photograph	No	--	--	No	-72.78654953	41.44122644
OF-439	4/14/2023	--	--	--	--	--	OF-439- unable to access, located in fenced-in backyard of residential house	No	--	--	No	-72.83097379	41.49089071
OF-581	4/14/2023	Concrete	endwall	24	Fair	No	OF-581, no riprap erosion control, nothing blocking the mouth of the outfall but a lot of brush surrounding the area, culverted stream flowing into catch basin and out of outfall	No	--	--	No	-72.78652068	41.44040297
OF-440	4/14/2023	Plastic	flared end	12	Poor	Yes	OF-440; outfall located in wooded wetland area behind residence; discharges to small pond with organic sheen and algae; outfall smashed by felled tree and not usable; small riprap at mouth of outfall	No	--	--	No	-72.82943093	41.49367756
OF-592	4/14/2023	HDPE	other	4	Fair	Yes	OF-592, outfall location corrected in field, outfall is overgrown and buried in grass, has a metal grate on the end, rip rap in place	No	--	--	No	-72.78470856	41.43926561
OF-441	4/14/2023	Plastic	endwall	12	Good	No	OF-441- plastic outfall pipe going into a concrete end wall located in a wooded area within a residential neighborhood. No erosion control observed around end wall.	No	--	--	No	-72.82964851	41.49315039
OF-593	4/14/2023	--	--	--	--	--	OF-593, could not locate, outfall likely discharges into overgrown area, also the outfall location on the map is incorrect	No	--	--	No	-72.78398254	41.43969157

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2023													
OF-594	4/14/2023	Precast	endwall	20	Fair	Yes	OF-594, marked wrong but corrected in field, outfall is mostly blocked with sediment and organics, rip rap in place	No	--	--	No	-72.77960747	41.4390339
OF-597	4/14/2023	Concrete	endwall	24	Poor	No	OF-597, the outfall is a culverted stream, the original outfall location was incorrectly placed, there was organic debris around the mouth and the outfall pipe was submerged	No	--	--	No	-72.76687967	41.44469549
OF-595	4/14/2023	Plastic	other	20	--	Yes	OF-595, outfall is partially blocked with sediment, very overgrown, discharges into a pond, rip rap in place, another outfall (end wall) located next to 595	No	--	--	No	-72.7758343	41.44211466
OF-487	4/14/2023	--	--	--	--	--	OF-487 and OF-488 unable to locate where originally mapped. Behind Lowe's there is a drainage channel and a stormwater drain man hole, outfalls may be buried closer to water level. Rip rap was observed on the side of the channel	No	--	--	No	-72.80491593	41.49778577
OF-596	4/14/2023	Concrete	flared end	30	Excellent	Yes	OF-596, rip rap in place, pitfall not blocked or overgrown, discharges into a swampy area	No	--	--	No	-72.76809579	41.44792363
OF-242	4/14/2023	Concrete	flared end	24	Fair	Yes	OF-242; outfall located adjacent to Lowe's parking lot; discharges to bioretention basin with phragmites; small cobble riprap around perimeter of basin; outfall filled with sediment and needs clearing; waste guard at head of outfall	No	--	--	No	-72.80808999	41.49589682
OF-243	4/14/2023	Concrete	flared end	16	Good	Yes	OF-243- concrete flared end outfall that flows into a bio-retention basin next to Lowe's. Rip rap erosion control in good condition. Connected to stormwater man hole	No	--	--	No	-72.80765656	41.49594421
OF-574	4/14/2023	Concrete	flared end	24	Poor	No	OF-574, no riprap erosion control, mouth was halfway filled with organic debris and sediment	No	--	--	No	-72.78830098	41.44318967
OF-575	4/14/2023	Concrete	flared end	24	Poor	Yes	OF-575, outfall nearly covered by organic debris and sediment, overgrown, rip rap in place, discharges into drainage swale	No	--	--	No	-72.78826438	41.44348347
OF-573	4/14/2023	Concrete	flared end	32	Poor	No	OF-573, no riprap erosion control, organic debris and sediment on the bottom of the outfall but not covering the mouth	No	--	--	No	-72.78850916	41.44299823
OF-572	4/14/2023	Concrete	flared end	24	Excellent	Yes	OF-572, outfall not blocked, a culverted stream running from a metal pipe is next to outfall, stream was flowing	No	--	--	No	-72.78880689	41.44277009
OF-576	4/14/2023	--	--	--	--	--	OF-576, found likely location of outfall but could not find the outfall pipe	No	--	--	No	-72.78878705	41.44328762
OF-577	4/14/2023	--	--	--	--	--	OF-577, could not locate outfall, outflow pipe from catch basin goes towards overgrown area where outfall is suspected to be	No	--	--	No	-72.78863092	41.44417099
OF-486	4/14/2023	Concrete	flared end	12	Good	Yes	OF-486- concrete flared end outfall in wooded area that flows into a small retention pond with rip rap erosion control	No	--	--	No	-72.81145479	41.49715405

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2023													
OF-839	4/14/2023	--	--	--	--	--	OF-839, could not locate outfall	No	--	--	No	-72.78488271	41.44334795
OF-252	4/14/2023	Concrete	flared end	--	--	--	OF-252, unable to access due to fence but took pictures from behind fence, looks like a concrete outfall structure, in wooded area behind industrial building	No	--	--	No	-72.81103877	41.49397739
OF-253	4/14/2023	--	--	--	--	--	OF-253- unable to access/ locate, behind fence next to railroad tracks, unable to see through brush	No	--	--	No	-72.81135682	41.49381411
OF-882	4/14/2023	Concrete	flared end	36	Good	Yes	OF-882; outfall located in wooded area adjacent to residence; discharges to riprap (small cobble) drainage swale and into woods; connected to catch basin on road	No	--	--	No	-72.80530803	41.50266363
OF-822	4/14/2023	Plastic	flared end	12	Good	No	OF-882- plastic flared end outfall in residential neighborhood. Flows into a bio retention basin. No erosion control around outfall observed	No	--	--	No	-72.80531162	41.50269698
OF-879	4/14/2023	Concrete	flared end	12	Poor	Yes	OF-879; outfall located at base of hill alongside road; discharges to retention basin with thatch; buried by brush and litter; connected to catch basin in road	No	--	--	No	-72.80374452	41.50446968
OF-826	4/14/2023	Concrete	other	30	Good	No	OF-826, outfall discharges into a stream, catch basin outflow pipe goes under train tracks to outfall, outfall was submerged	No	--	--	No	-72.77095379	41.4568901
OF-825	4/14/2023	Concrete	other	30	Excellent	Yes	OF-825, catch basin goes to manhole before outfall, a culverted stream runs through the outfall,outfall goes into a stream, no debris or sediment buildup, stream was flowing	No	-	--	No	-72.77131718	41.45848959
OF-878	4/14/2023	--	--	--	--	--	OF-878- unable to locate in thick brush down hill beside road, possibly buried or destroyed	No	--	--	No	-72.80330479	41.50513512
OF-877	4/14/2023	Concrete	flared end	16	Good	Yes	OF-877- concrete flared end outfall on side of street in residential area, flows into heavily wooded area; some rip rap erosion control on sides of outfall; connected to catch basin on road	No	--	--	No	-72.80300674	41.50547769
OF-880	4/14/2023	--	--	--	Poor	No	OF-880; outfall discharges to woods along road; completely buried by brush; connected to catch basin immediately adjacent on road; needs to be cleared out	No	--	--	No	-72.80395889	41.50400124
OF-831	4/14/2023	--	--	--	--	--	OF-831, could not access outfall located in someone's backyard	No	--	--	No	-72.77891492	41.45331928
OF-876	4/14/2023	Concrete	flared end	12	Good	Yes	OF-876- concrete flared end outfall on side of road in residential area, connected to catch basin that flows into a heavily wooded area, some rip rap erosion control	No	--	--	No	-72.80218896	41.50546341
OF-830	4/14/2023	Concrete	flared end	24	Fair	Yes	OF-830, could not get to outfall, located outfall but due to homeowners dog could not get closer, outfall is overgrown and catch basin was covered with organic debris	No	--	--	No	-72.77897072	41.45466971
OF-686	4/14/2023	Plastic	other	18	Good	No	OF-686, outfall has no rip rap but discharges into a drainage ditch, outfall pipe is metal, catch basin had some standing water	No	--	--	No	-72.78367329	41.45530356

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2023													
OF-684	4/14/2023	Precast	endwall	30	Excellent	No	OF-684, outfall has a culverted stream running through it, stream was flowing, no rip rap visible, discharge pipe in the middle of culvert under the road, not sure where it comes from	No	--	--	No	-72.78258077	41.4546636
OF-870	4/14/2023	Precast	other	12	Excellent	Yes	OF-870; outfall located in wooded area alongside road; discharges into steep riprap (small cobbles) drainage swale to stream deeper in woods; connected to catch basin in road	No	--	--	No	-72.79698029	41.50211471
OF-835	4/14/2023	Concrete	flared end	32	Fair	--	OF-835, organic debris and sediment in mouth of outfall, no riprap erosion control	No	--	--	No	-72.78149034	41.45130645
OF-836	4/14/2023	Concrete	flared end	48	Good	No	OF-836, outcall consists of two flared ends,outfall has a culverted stream running through it both pipes, stream was flowing, sediment buildup on bottom of outfall,	No	--	--	No	-72.78161485	41.45126381
OF-834	4/14/2023	Concrete	flared end	24	Poor	No	OF-834, almost completely covered in organic debris and sediment, no riprap erosion control	No	--	--	No	-72.78174619	41.45114633
OF-833	4/14/2023	Plastic	flared end	18	Excellent	Yes	OF-833, outfall discharges to drainage swale that leads to stream, rip rap in place, catch basin goes to manhole then to outfall	No	--	--	No	-72.78187478	41.44999379
OF-456	4/14/2023	Concrete	flared end	24	Good	Yes	OF-456- concrete flared end outfall on side of road in residential neighborhood that flows down into a wooded rip rap swale and is connected to a catch basin on the road.	No	--	--	No	-72.8435463	41.48734904
OF-838	4/14/2023	Concrete	flared end	24	Fair	Yes	OF-838, small amount of riprap, no organic debris covering the mouth of the outfall, some sediment at the bottom	No	--	--	No	-72.78365431	41.44981954
OF-583	4/14/2023	--	--	--	--	--	OF-583, could not access	No	--	--	No	-72.78522232	41.44671068
OF-582	4/14/2023	--	--	--	--	--	OF-582, could not access, catch basins drain to location on map	No	--	--	No	-72.78825869	41.44607709
OF-411	4/14/2023	Concrete	flared end	24	Good	Yes	OF-411; outfall located in wooded area of trailer park; connected to catch basin in road; discharges to sediment drainage swale; clear sediment and leaf litter buildup; no riprap; flared end detached from pipe	No	--	--	No	-72.82944303	41.4717431
OF-598	4/14/2023	Concrete	other	20	Poor	No	OF-598, outfall marked wrong on map, corrected in field, outfall buried under organic debris, could not see outfall mouth, no rip rap visible	No	--	--	No	-72.75861445	41.44018554
OF-410	4/14/2023	--	--	--	--	--	OF-410- unable to locate, possibly buried under brush and leaf litter	No	--	--	No	-72.82944381	41.47177882
OF-599	4/14/2023	Concrete	--	--	Poor	No	OF-599, outfall was completely buried in organic debris and sediment	No	--	--	No	-72.75698862	41.43989906
OF-560	4/14/2023	Concrete	flared end	24	Poor	No	OF-560, outfall buried in sediment and organic debris, could not see much of pipe, no rip rap visible	No	--	--	No	-72.75600911	41.44011928
OF-561	4/14/2023	Plastic	flared end	40	Good	Yes	OF-561, the material of the outfall was metal, no organic debris or sediment covering or blocking the mouth of the outfall, there was some riprap for erosion control	No	--	--	No	-72.75504009	41.44029017
OF-564	4/14/2023	--	--	--	--	--	OF-564, could not access, in someone's yard	No	--	--	No	-72.74953536	41.43868514

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2023													
OF-781	4/14/2023	Concrete	flared end	12	Fair	Yes	OF-781- concrete flared end outfall in condominium complex area that flows into a small pond with algae, rip rap erosion control around pond.	No	--	--	No	-72.81754736	41.42204195
OF-563	4/14/2023	--	--	--	--	--	OF-563, could not locate outfall, catch basin does not have an outflow pipe in the direction of 563, but it has pipes going toward OF-562 and N Branford road	No	--	--	No	-72.75207246	41.44107468
OF-780	4/14/2023	Precast	flared end	12	Good	Yes	OF-780; outfall located in condo complex; discharges to pond in common area; connects two ponds; ponds contain algae and organic sheen; home for geese	No	--	--	No	-72.81781833	41.42190066
OF-782	4/14/2023	--	--	--	--	--	OF-782- catch basin in middle of condominiums, between 2 ponds, plastic pipe flowing into it, no other outfall located	No	--	--	No	-72.81735824	41.42246144
OF-565	4/14/2023	--	--	--	--	--	OF-565, could not access outfall, catch basin goes to manhole, marked in photo with dashed lines the inferred direction to the outfall from manhole based on topography, put pin on manhole	No	--	--	No	-72.75306305	41.43840731
OF-819	4/14/2023	Concrete	flared end	32	Good	Yes	OF-819, was unable to get a front picture of the outfall due to bar wire fencing, nothing blocking the mouth of the outfall and riprap looks good	No	--	--	No	-72.760528	41.43498772
OF-979	4/14/2023	Concrete	flared end	20	Good	No	OF-979- corrected location, next to middle school and flows into a culvert that leads to a wooded area on the other side of the entrance driveway	No	--	--	No	-72.81872204	41.43325017
OF-980	4/14/2023	Concrete	other	12	Poor	No	OF-980- corrected location, next to culvert in front of middle school that flows under entranceway into a wooded area, outfall is full of leaf litter/ partially buried and should be cleaned out	No	--	--	No	-72.81875981	41.43322438
2024													
OF-233	09/03/24	Yes	Concrete	Flared End	Good	Good	Good rip-rap observed with minimal sediment near mouth of pipe. Discharges directly to stream. Dry during inspection	No	No	--	--	-72.78522358	41.47918684
OF-706	09/03/24	No	--	--	--	--	Unable to find exact location of outfall. Outfall might no longer exist due to new infrastrucutre. Homeowners stated the town put in a new catch basin by their driveway at the end of the cul-de-sac. Further investigation is needed since we were unable to determine if Catchbasin is still connected to the outfall.	Further Investigation Needed	No	--	--	-72.82330083	41.42467001
AB-1	09/03/24	Yes	Concrete	Pipe	Good	Poor	Concrete outfall with minimal sediment erosion controls. Located in overgrown area behind residential properties.	No	No	--	--	-72.82570701	41.42459656

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2024													
WB-6	09/05/24	No	Concrete	--	--	--	Unable to find exact location of outfall. Determined approximate area based on small stream. Likely buried under vegetation. Outfall located on residential back yard.	No	No	--	--	-72.79450177	41.47081618
QR-11	09/05/24	Yes	Concrete	Flared End	Good	Good	Large concrete flared end outfall. No discharge observed. Good rip-rap at mouth of outfall.	No	No	--	--	-72.82651759	41.46224235
QR-12	09/05/24	No	--	--	--	--	Unable to find exact outfall location. Followed a hdpe pipe in a catch basin on Oak Street that likely connects to an outfall. Imagery showed a stone path that is no longer there. Pipe likely buried or abandoned.	Further Investigation Needed	No	--	--	-72.82747197	41.45984951
QR-13	09/05/24	Yes	Corrugated Metal	Pipe	Poor	Poor	Small pipe found that dicharges to Quinnipiac River. No discharge observed during time of inspection. Pipe has sediment accumulation and has been crushed.	Yes	No	--	--	-72.83548264	41.45887429
QR-15	09/05/24	Yes	Concrete	Culvert	Good	Good	Large weir to to prevent flooding, measure water flow, and divert Quinnipiac river under road.	No	No	--	--	-72.83564859	41.45844219
OF-929	09/06/24	No	--	--	--	--	Unable to find exact location of outfall. Outfall discharges into pond. Pond was mostly full with algae bloom during time of inspection.	Further Investigation Needed	No	--	--	-72.77872186	41.49170491
OF-930	09/06/24	No	--	--	--	--	Unable to access outfall. Outfall is located on residential farm property. Atlas attempted to go around the property and vegetation was overgrown.	No	No	--	--	-72.77873801	41.49315401
OF-853	09/06/24	No	--	--	--	--	Unable to access outfalls. Blocked by gated fence. On private property with telephone lines.	No	No	--	--	-72.77192297	41.49326978
OF-852	09/06/24	No	--	--	--	--		No	No	--	--	-72.7723556	41.49303268
OF-855	09/06/24	No	--	--	--	--		No	No	--	--	-72.77212985	41.49265351
OF-917	09/06/24	Yes	Concrete	Pipe	Good	None	Outfall located on residnetial property and discharges directly to pond. No erosion control, flows directly into pond. Outfall pipe had minimal sediment or leaf litter.	Yes	No	Trickly flow observed.	Dicharge was groundwater flow	-72.78377585	41.48716661
WB-2	09/06/24	Yes	Concrete	Flared End	Good	None	Outfall located in wooded area. No erosion control, flows directly into low-lying are before discharging to brook. Outfall pipe had minimal sediment or leaf litter.	Yes	No	--	--	-72.78538593	41.47937717
WB-2.2	09/06/24	Yes	Concrete	Flared End	Good	Good	Outfall located in wooded area next to WB-2. Good rip-rap observed with minimal sediment near mouth of pipe. Flows directly into low-lying are before discharging to brook.	No	No	--	--	-72.78538425	41.47929141

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2024													
OF-813	09/06/24	No	Concrete	Flared End	Good	Fair	Culvert diverting water under road with minimal erosion control at mouth of outfall. Located on residential farm land, fenced in. Eventually discharges to Pistapaug Pond.	No	No	--	--	-72.75492509	41.4234098
OF-814	09/06/24	No	Concrete	Flared End	Good	None	Culvert diverting water under road with minimal erosion control at mouth of outfall. Located on residential farm land, fenced in. Eventually discharges to Pistapaug Pond.	No	No	--	--	-72.75490623	41.42330175
OF-815	09/06/24	No	Concrete	Flared End	Good	None	Culvert diverting water under road with minimal erosion control at mouth of outfall. Located on residential farm land, fenced in. Eventually discharges to Pistapaug Pond.	No	No	--	--	-72.75481682	41.4225487
OF-817	09/06/24	Yes	Concrete	Flared End_	Poor	None	Culvert diverting water under road with sediment accumulation in outfall pipe. Located on residential farm land, fenced in. Eventually discharges to Pistapaug Pond.	Yes	No	--	--	-72.75460063	41.42195357
OF-817.2	09/06/24	Yes	Concrete	Flared End_	Good	Poor	New outfall identified, on other side of OF-817 diverting water under South Brandford Road and eventually discharging to Pistapaug Pond. Some sediment accumulation in pipe.	Yes	No	--	--	-72.75443527	41.42201242
OF-594	09/06/24	No	--	--	Good	Excellent	Unable to find exact location of outfall. On other side of overflow area for the McKenzie reservoir.	No	No	--	--	-72.7792304	41.43827497

Town of Wallingford

MS4 Interconnection Inspections

Interconnection ID	MS4	Inspection Date	Strormwater Feature	Material	Condition	Erosion Control	Notes	Discharge	Longitute	Latitude
IC-21	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge. Some trash/debris present.	No	-72.83775044	41.45765206
IC-20	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Fair	Some grass clippings in CB.	No	-72.82897425	41.47793953
IC-13	CTDOT	6/7/2021	Catch Basin	Concrete	Good	Excellent	Good condition, no discharge.	No	-72.80576778	41.48488412
IC-14	CTDOT	6/7/2021	Catch Basin	Concrete	Good	Good	Good condition, no discharge.	No	-72.80165863	41.48300739
IC-16	CTDOT	6/7/2021	Catch Basin	Unk.	Poor	Poor	Last 2 CBs on Thorpe Ave completely silted in. No interconnection possible.	No	-72.76756239	41.47972799
IC-17	CTDOT	6/7/2021	Catch Basin	Concrete	Good	Good	Good condition, no discharge.	No	-72.76628566	41.478884
IC-18	CTDOT	6/7/2021	Catch Basin	Concrete	Good	Good	Some trash around CB.	No	-72.76505185	41.47676996
IC-15	CTDOT	6/7/2021	Catch Basin	Unk.	Good	Fair	Trash/debris around CB.	No	-72.78639418	41.48340524
IC-11	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.81997544	41.49142214
IC-10	CTDOT	5/17/2021	Catch Basin	Unk.	Poor	Poor	CB heavily silted in; vegetation growing inside CB	No	-72.82250208	41.49196862
IC-9	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.82322628	41.49205702
IC-8	CTDOT	5/17/2021	Catch Basin	Unk.	Excellent	Good	Good condition, no discharge.	No	-72.82421333	41.49213738
IC-7	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.82724959	41.49229409
IC-6	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Fair	Some sediment in CB.	No	-72.82860142	41.49257536
IC-5	CTDOT	5/17/2021	Catch Basin	Unk.	--	--	Unable to open manhole.	--	-72.82965821	41.49264769
IC-4	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Poor	Slight discharge coming from W, along state road, not MS4. Next in-line MS4 CB heavily silted in.	Yes	-72.83134801	41.49252313
IC-3	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.83499581	41.49292896
IC-1	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.84848732	41.49352364
IC-30	Cheshire/CTDOT	5/17/2021	Catch Basin	Unk.	Fair	Fair	CB partially filled with leaves/sediment.	No	-72.86538524	41.48007764
IC-31	Cheshire/CTDOT	5/17/2021	Catch Basin	Unk.	Fair	Fair	Moderate amount of sediment in CB.	No	-72.87481588	41.46522191
IC-32	Hamden/CTDOT	5/17/2021	Catch Basin	Unk.	Good	Fair	Some sediment in CB.	No	-72.88678927	41.44804676
IC-33	North Haven/CTDOT	5/17/2021	Catch Basin	Unk.	Excellent	Good	Good condition, no discharge.	No	-72.82743734	41.40158031
IC-34	North Haven/CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.82748026	41.40062264
IC-35	North Haven/CTDOT	5/17/2021	Catch Basin	Unk.	Excellent	Good	Good condition, no discharge.	No	-72.82757682	41.39844166
IC-36	Northford/CTDOT	5/17/2021	Catch Basin	Unk.	Excellent	Good	Good condition, no discharge.	No	-72.7823655	41.4113333
IC-24	CTDOT	5/17/2021	Catch Basin	Unk.	Excellent	Good	Good condition, no discharge.	No	-72.80277175	41.42674036
IC-23	CTDOT	5/17/2021	Catch Basin	Unk.	Fair	Good	CB partially filled with sediment/leaf debris.	No	-72.80481023	41.44061565
IC-22	CTDOT	5/17/2021	Catch Basin	Unk.	Fair	Fair	CB covered with leaf debris	No	-72.80537886	41.44828399
IC-19	CTDOT	6/7/2021	Catch Basin	Unk.	Excellent	Good	Inspection completed at last in-line CB on Tammy Hill Rd. Good condition, no discharge. Homeowner had placed garbage cans directly on CB.	No	-72.75116873	41.47071684
IC-25	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.80930829	41.49615546
IC-26	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.80940485	41.49569741
IC-27	CTDOT	5/17/2021	Catch Basin	Unk.	Fair	Fair	Trash/debris in area of CB.	No	-72.80920101	41.49086762
IC-12	CTDOT	5/17/2021	Catch Basin	Unk.	Good	Good	Good condition, no discharge.	No	-72.81129313	41.48827176
IC-29	Mericden/CTDOT	6/7/2021	Catch Basin	Concrete	Fair	Good	Good condition, no discharge.	No	-72.76441933	41.49692016

Notes:
Interconnection of concern