2022 ANNUAL REPORT

General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)

Registration No. GSM000021

for

Town of Cheshire, CT
84 South Main Street
Cheshire, CT 06410

Prepared By:

Barton & Loguidice

41 Sequin Drive
Glastonbury, CT 06033
T: 860.633.8770
F: 860.633.5971

MS4 General Permit
Town of Cheshire 2022 Annual Report
Existing MS4 Permittee
Permit Number GSM000021
January 1, 2022 – December 31, 2022
Primary MS4 Contact: Daniel Bombero; Capital Projects Manager; (203) 271-6650; dbombero@cheshirect.org

---

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

Executive Summary

Submission of this report by the Town of Cheshire maintains compliance with the reporting requirements and registration (no. GSM000021) under the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), submitted to the State of Connecticut Department of Energy and Environmental Protection ('CT DEEP') Commissioner for activities located within the Town of Cheshire. The Town of Cheshire certifies by this report that the terms and conditions of the General Permit are being met to the maximum extent practicable (MEP).

For FY 2022-2023 the Town has budgeted over $67,000 in funding to support ongoing MS4 projects. Barton & Loguidice, LLC (B&L) has been retained by the Town in order to continue its support of ongoing MS4 projects. For FY 2022-2023 the Town has appropriated $110,000 for stormwater drainage disconnects and related services. Over the next five-years the Town plans on allocating an additional $220,000 for MS4 disconnects, as indicated in the Towns' approved 2022-2023 Capital Expenditures Plan.

To date, Barton & Loguidice has completed much of the dry weather screening and sampling of the Town's existing and newly identified outfalls (866 municipally-owned). Significant updates to the Town's GIS were completed in order to verify municipal outfalls, interconnections, update mapping that was noted as incorrect during field inspections, and map drop-down catch basins (catch basins that discharge directly into a waterway with no other piping connected to the system).

In 2023, through the efforts of Barton & Loguidice, the Town will continue working toward the completion of all dry weather outfall Illicit Discharge Detection and Elimination (IDDE) screening and sampling, and wet weather impaired outfall sampling efforts for all of the municipally-owned outfalls identified in the Town to the maximum extent practicable.

Through the field investigation process, several outfalls in the MS4 system that were previously mapped were identified as incorrect and needed to be updated based on actual field conditions. Despite the slow pace of this endeavor, large questionable areas of the Town's outfall mapping were able to be resolved, missing structures added, and piping corrected to match the true conditions. Barton & Loguidice' s efforts assisted in reducing the burden on the Town for mapping locations that could be resolved in the field allowing the Town to focus on other aspects of the MS4 permit. By performing this action, Barton & Loguidice located 243 new outfalls, including 138 new drop down catch basins.

Outfall Monitoring Status

During the reporting period (January 1, 2022 through December 31, 2022) dry weather screening and wet weather sampling efforts were predominately put on hold while significant outfall mapping updates were conducted. To date, dry weather screening and sampling efforts were completed at 722 town-owned outfalls and 8 of 27 impaired outfalls have been sampled during wet weather events.

In 2021, 336 outfalls were have been dry weather screened and 48 samples were collected. The 2021 dry weather screening and sampling data identified the presence of one new High Priority Outfalls with suspected illicit discharge requiring an investigation. To date, 87 outfalls have been sampled during dry weather events and two of those outfalls were identified with suspected illicit discharge and were ranked at the top of the high priority category for further investigations.

In 2021 and 2022, due to an extensive amount of effort spent on locating and updating the mapping for the municipal outfalls and completing the dry weather screenings for outfalls to the maximum extent practicable, wet weather sampling efforts were put on hold. To date, eight outfalls have been sampled during wet weather events and seven of those outfalls were identified with suspected illicit discharge and were ranked at the top of the high priority category for further investigations.

In 2021 and 2022, B&L continued a wet weather investigation associated with the discharge at the South Main Street retrofit project site. The outfall at this location was initially sampled in November 2020 as part of the process for verifying a DCIA disconnection project location at the outfall. The sample collected in November 2020 had an exceedance for E. coli and was resampled for additional parameters in March 2021 to verify if the discharge from this outfall was suitable for the retrofit project. The follow-up samples collected in March 2021 indicated that the exceedance in E. coli was no longer present; however, elevated levels of surfactants were noted in the March 2021 samples. December 2022 B & L expanded its search along South Main St. During this sample event exceedances for E. coli and surfactants were identified. The Town is still in the process of identifying the source of the pollutants and will be issuing a notification to the contributor of the pollutant once confirmed.

The Town of Cheshire will continue to conduct outfall screening and sampling efforts throughout the next reporting period (January 1, 2023 through December 31, 2023). This effort will be conducted simultaneously with the Town's MS4 mapping for stormwater outfalls.

Household Hazardous Waste and Solid Waste Outreach and Collection

The Town of Cheshire remains involved in efforts to protect groundwater and stormwater through its cooperation with RWA's Household HazWaste Central (Household Hazardous Waste Collection Center) located at 90 Sargent Drive in New Haven, by providing collection days for the public during the summer and fall of each year. In 2022, 478 Cheshire households participated in bringing hazardous materials and/or used waste oils to HazWaste Central.

During 2022, the Town hosted three collection events for town residents for electronic recycling and was able to collect 45,902 lbs. of electronics. The Town offered two collection events for mattress recycling in 2022 and collected a total of 598 mattresses during those events. Curbside yard waste and bulky waste collections were offered in 2022 and a total of 242 tons of leaves, 250 bags of grass clippings, and an estimated 816 tons of bulky waste materials were collected. The Town also offered scrap metals collection for residents in 2022 and was able to recover 52,600 lbs. of scrap metal.

Part I: Summary of Minimum Control Measure Activities

1. PUBLIC EDUCATION AND OUTREACH (Section 6 (a)(1) / page 19)

1.1 BMP Summary

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
1-1 Implement public education and outreach	Publications by NEMO are available through the following offices: • Planning & Zoning • Inland Wetlands • Engineer/Public Works • Chesprocott Health District	NEMO	Brochures and fliers	General Public	Maintain copies of selected NEMO and QRWA brochures in Town Hall and water quality literature in the Town Library. Rotate brochure content semi-annually.	Environmental Planner	Ongoing	It is anticipated that the Town will continue to provide publication by CT-NEMO at the following offices in 2023, Planning & Zoning, Inland Wetlands, Public Works, Engineering, and Chesprocott Health District
	The Town is in the process of collecting materials to post to the Town website.	EPA / DEEP	Website	General Public	Update Town's website to include links to stormwater related sites.	Environmental Planner	Ongoing	In the spring of 2023, the Town intends to update and add education materials to the stormwater website.
	The Town anticipated continuing to assess the feasibility of submitting mailers with the tax bills in 2023.		Mailers	General Public	Assess feasibility of mailing stormwater-related education materials with tax bills. Based on the outcome of this goal, send materials with tax bills.	Town Engineer	Ongoing	In 2023 the Town intends on developing a mailer to include with mailed tax bills.

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
1-2 Address education/ outreach for pollutants of concern	In 2023, the Town anticipates having copies of "Caring for Your Septic System" for distribution in the Planning Department.		Brochures and webpage	General Public	Place copies of "Caring for Your Septic System" in the Planning Department for free distribution.	Environmental Planner	Ongoing	In the spring of 2023, the Town intends to update and add education materials to the stormwater website.
	The Town anticipates developing educational materials targeted to industries in 2023.		Mailers and webpage	Industrial facilities	Develop or identify from other source(s) education materials targeted to industries, with at least one material being targeted to agricultural uses or bedding plant growers. Mail materials to local industries.	Town Engineer with Chamber of Commerce	Ongoing	In the spring of 2023, the Town intends to update and add education materials to the stormwater website.
	The Town was not able to provided letters to dentists in 2022. The Town will continue attempting to submit mailers to dentists in 2023.		Mailers	Dentists	Send letter to local dentists to ensure compliance with mercury removal equipment.	Town Engineer	Ongoing	
1-3 Work with local organizations to promote environmental activities	Notifications of education programs offered by the Southwest Conservation District (SCD) are available at the Town Hall.	Southwest Conservation District	Brochures	General Public	Post notifications of education programs offered by the Southwest Conservation District (SCD) at the Town Hall.	Environmental Planner	Ongoing	In the spring of 2023, the Town intends to update and add education materials to the stormwater website.
	The Town anticipates on finding ways to provide public notice of QRWA activities in 2023.			General Public	Establish contact with QRWA and identify avenues Town staff can use to provide public notice of QRWA activities.	Environmental Planner	7/1/23	

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
1-4 Educate municipal officials and land use commissions on proper SW management	Key MS4 staff members completed National Stormwater Center - Stormwater Permit Inspector Training in Oct-2022		In-person	Town staff	Coordinate one NEMO or Southwest Conservation District or knowledgeable technical staff to present to Town staff and land use commissions.	Town Planner	10/28/22	Certification of completion issued to Marek Kement, P.E., L.S.

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

- Maintain copies of selected NEMO and QRWA brochures in Town Hall and water quality literature in the Town Library.
- Update the Town's Stormwater webpage to include stormwater related education information.
- Attempt to continue to coordinate with local schools to promote use of educational programs offered by Whitney Water Center.
- Continue to assess feasibility of mailing stormwater-related education materials with tax bills.
- Continue to assess feasibility of having the Town's Environment Commission to coordinate the Town's public education program.
- Provide copies of "Caring for Your Septic System" in the Planning Department.
- Develop educational materials targeted to industries.
- Send letter to local dentists to ensure compliance with mercury removal equipment.
- Continue to post notifications of education programs offered by the Southwest Conservation District (SCD) at the Town Hall.
- Provide public notice of QRWA activities in 2023.
- Provide proper stormwater management education to Town staff and land use commissions.

2. PUBLIC INVOLVEMENT/PARTICIPATION (Section 6(a)(2) / page 21)

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Location Posted	Additional details
2-1 Final Stormwater Management Plan publicly available	Complete	Notice of the SMP's availability was provided in compliance with the General Permit. Notice of the SMP's availability was provided to the QRWA.	Place draft copy of plan in Town Engineer's Office on or before February 15, 2017. Provide notice to the QRWA that the draft plan is available for public comment.	Town Engineer	2017	https://www.cheshirect.org/cms/One.aspx?portalId=8580940&pageId=17504799	The Town Stormwater Management Plan is maintained for public Inspection online and at the Town Engineer/ Department of Public Works office.
2-2 Comply with public notice requirements for Annual Reports (annually by 2/15)	Complete	In 2022, notice was provided to the public on 2/4/22 and the draft report was available from 2/14/22 – 3/28/22.	Notify public of draft Annual Report and document comments received.	Town Engineer	Notice post 2/4/22 Draft available 2/14/22	https://www.cheshirect.org/cms/One.aspx?portalId=8580940&pageId=17504799	Public notice for the 2022 Draft Report was posted to the Record Journal on 1/26/2023. The 2022 Draft Report was avaialbe for review from 2/16/23 – 3/28/23

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

- Continue to provide notice of draft Annual Reports and updates to the Town's Stormwater Management Plan (SMP).

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION (Section 6(a)(3) and Appendix B / page 22)

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
3-1 Develop written IDDE program (Due 7/1/19)	In Progress	In 2022, the Town's consultant, B&L created a draft IDDE plan and is in the process of reviewing it with the Town.	Develop written plan of IDDE program.	Town Engineer	7/1/2023	In 2023, the Town anticipates finalizing the IDDE Plan.
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	Substantially Complete	In 2017-19, the Town hired a summer engineering student intern to inspect and document outfall conditions using tablet technology developed by Engineering Staff and GIS consultant. In 2020-22, the Town, with assistance from B&L, conducted significant efforts to locate and confirm the locations of outfalls in priority areas and have located many new outfalls that were not previously identified.	Prepare GIS Map Layer of priority outfalls.	Town Engineer	12/31/22 Ongoing	The Town will continue to update its mapping as new information is gathered in 2023.
3-3 Implement citizen reporting program (Ongoing)	Complete/ Ongoing	A phone number was added to the Town's stormwater webpage for reporting illegal discharges. The Town also added MS4 categories to the existing IWorQ system.	Use IWorQ for citizen reporting.	Town Engineer	7/1/17 Ongoing	In 2023, the Town will continue to keep a phone number available on the Town's stormwater website for reporting illict discharges
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	Complete	Town Council approved an Illicit Discharge and Connection Stormwater Ordinance, which became effective on 10/1/19.	Revise Sewer Regulations.	Town Engineer	9/17/19	
3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	Complete/ Ongoing	Specific fields were added to IWorQ for tracking IDDE. The Town also uses excel and access spreadsheets, along with GIS, for IDDE tracking.	Use IWorQ for IDDE tracking.	Town Engineer	7/1/18 Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
3-6 Address IDDE in areas with pollutants of concern	In Progress	While cleaning catch basins, Public Works crews are trained to note possible signs of contamination, and to keep records of any evidence of illicit discharges in addition to recording their pre-and post-cleaning measurements. Detailed digital inspection forms are now competed on IPADs, and resulting data can be queried. So far, no visible pollution has been reported in any structure during inspection or maintenance activities.	Evaluate areas with pollutants of concern for IDDE.	Town Engineer	Ongoing	
3-7 Develop detailed MS4 infrastructure mapping	In Progress	The Town has hired a consultant to assist with mapping of MS4 infrastructure and maintains a GIS database of gross particle separators, detention basins, retention basins, storm drains and outfalls. It is maintained electronically within the Town's GIS system by the Public Works & Engineering Department.	Prepare GIS Map Layers of MS4 infrastructure.	Town Engineer	12/31/21	The Town will continue to update this information in the field to the maximum extent practicable in 2023.

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

- Finalize draft IDDE plan.
- Continue efforts to locate and confirm the locations of outfalls in priority areas.
- Continue to evaluate areas with pollutants of concern for IDDE.
- Continue to develop and update the stormwater system mapping.

3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of Reporting Period using the following table.

Location*	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)*
No Citizen Reports of suspected illicit discharged were noted in 2022.						
No other illicit discharges were reported in 2022.						
SSOs occurring July 2017 through the end of the Reporting Period are provided below:						
Marion Road	2019; unknown	MS4	Unknown	Pipe lining company	Promptly and satisfactorily addressed.	N/A
Talmadge Road	2019; unknown	MS4	Unknown	Pool draining / Home owner	Promptly and satisfactorily addressed.	N/A
Sierra Court	2019; unknown	MS4	Unknown	Soil Erosion / Road contractor	Promptly and satisfactorily addressed.	N/A

Location*	**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)*
Harrison Road	2019; unknown	MS4	Unknown	Cold asphalt patch runoff	Promptly and satisfactorily addressed.	N/A
Exit 26 I 84 W & I 84 / Ex	1/17/2020; unknown	MS4	Unknown	Road freight or transport vehicle fire	Clean up performed and material disposed	N/A
400 Industrial Ave /Bozzu	3/10/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
Cheshire St & E Johnson A	3/13/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
E Johnson Ave & Highland	3/19/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
Highland Ave & 1 691 / Hig	3/26/2020; unknown	MS4	Unknown	Road freight or transport vehicle fire	Clean up performed and material disposed	N/A
40 Manor Dr	4/5/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
W Johnson Ave & Knotter D	5/4/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
12 Warren St	6/19/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
400 E Johnson Ave /Whole	6/26/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
30 Fieldstone Ct /Target	6/29/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
1456 Highland Ave	6/30/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
110 Creamery Rd	7/15/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
140 Cook Hill Rd /Elim Pa	7/17/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
207 Wiese Rd	7/20/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
106 Belridge Rd	7/31/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
Highland Ave & Schoolhous	7/8/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
Coleman Road	8/2020; unknown	MS4	Unknown	Erosion Control Failure / Breach	Instructed contractor to repair erosion control	N/A
Crestwood Drive	8/2020-9/2020; unk	MS4	Unknown	Erosion Control Failure / Breach	Instructed contractor to repair erosion control	N/A
831 S Main St /Shell	8/9/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
Academy Rd & Judson Ct /A	9/19/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
Mt Sanford Rd & S Brooksv	9/20/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
Yalesville Road	9/2020; unknown	MS4	Unknown	Erosion Control Failure / Breach	Instructed contractor to repair erosion control	N/A
S Meriden Rd & Academy Rd	9/23/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
45 Park Pl	9/25/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
Elmwood Dr & S Main St /E	10/14/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
901 Waterbury Rd /Shell G	10/27/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
84 S Main St / Townhall	10/3/2020; unknown	MS4	Unknown	Road freight or transport vehicle fire	Clean up performed and material disposed	N/A
I 691	10/31/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
286 Industrial Ave	10/8/2020; unknown	MS4	Unknown	Pool filter washout onto driveway / Pool & Water Company of CT	10/8/2020 – Phone call to business owner and Notice of Violation sent in follow-up.	N/A
400 E Johnson Ave /Whole	11/12/2020; unknown	MS4	Unknown	Road freight or transport vehicle fire	Clean up performed and material disposed	N/A
993 Mountain Rd	11/12/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
I 84 /I 84/Ramp 26 I 84 E	11/20/2020; unknown	MS4	Unknown	Spill - Oil or other combustible liquid	Clean up performed and material disposed	N/A
Monarch Place	11/2020-12/2020; unk	MS4	Unknown	Erosion Control Failure / Breach	Instructed contractor to repair erosion control	N/A
Highland Ave & Main St/H	11/8/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A

Location*	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)*
275 Schoolhouse Rd / Bozzu	12/12/2020; unknown	MS4	Unknown	Road freight or transport vehicle fire	Clean up performed and material disposed	N/A
29 Hol Ly Rd	12/13/2020; unknown	MS4	Unknown	Spill - Gasoline or other flammable	Clean up performed and material disposed	N/A
Copper Valley Court	12/2020; unknown	MS4	Unknown	Erosion Control Failure / Breach	Instructed contractor to repair erosion control	N/A
East Mitchell Road	2/6/2021	Local stream	500-1000 gal	Sewer line blockage	Line unblocked. System operating normally	N/A
1721 Highland Ave.	2/12/2022	No	Under 300-gal	Sewage line blocked with grease	Lines jetted downstream	N/A
1700 Highland Ave.	8/20/2022	No	<1000-gal	Sewage line blocked with grease	Lines jetted downstream	N/A

**Note: IWorQ is the system used for tracking illicit discharges. Currently these records and files are maintained separately by three different Town or quasi-Town entities, which are queried annually for a listing of the IDDE enforcement activities. An IDDE tracking spreadsheet will be prepared to obtain these details moving forward.*

3.4 Provide a summary of actions taken to address septic failures during the Reporting Period 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
Filing system	81 Fernwood Lane	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	20 judson Ct.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	663 South Meriden Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	150 Bradford Dr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	114 Woodland Dr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	20 Cliff Edge Cir.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	50 Brook Lane	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	56 Nob Hill Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	125 Wallingford Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1622 Sturbridge	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	651 E. Johnson	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	510 Coleman Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	43 Chantil Cr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	55 Frances Cr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	827 Roading Brook	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	710 Rustic Lane	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	621 Wiese Road	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	864 Mountain Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	60 Williamsburg Dr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1096 Wolf Hill	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1785 Cheshire St.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	764 Devonwood Dr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	7 Goldenrod Cr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	146 So. Brooksvale	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1120 Coleman Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	877 Ward Lane	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	5 Stacy Cr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District

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
Filing system	968 Coleman Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	144 Talmadge Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	234 Old Lane Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	20 Wolf Hill Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	532 Mixville Ave.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	856 Ives Row	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1276 Deer Run Cr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1381 Wolf Hill Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	57 Payne Dr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	184 Birch Dr.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	607 Tamarack	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1112 Wolf Hill Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	829 Moss lane	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1872 Marion Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	1708 Orchard Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	30 Minna Ct.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District
Filing system	60 Sunset Rd.	Failing septic system	Septic system repaired in 2022	Unknown	Chesprocott Health District

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

The Town uses a work order / complaint management software program, iWorQ. This web-based program is used to track the status of stormwater related activities. When a stormwater related work order / complaint comes in, the Public Works Department is notified and promptly addresses the issue. The Town of Cheshire's stormwater webpage includes a phone number that the public can use to submit a report.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	866 (an increase from 556 in 2020)
Estimated or actual number of interconnections	TBD
Outfall mapping complete	90%
Interconnection mapping complete	TBD
System-wide mapping complete (detailed MS4 infrastructure)	90%
Outfall assessment and priority ranking	494 initiated
Dry weather screening of all High and Low priority outfalls complete	772 (an increase from 291 in 2020)
Catchment investigations complete	2 in progress
Estimated percentage of MS4 catchment area investigated	1%

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

The Town conducts annual training of Public Works Department and Water Pollution Control Division (WPCD) employees on BMPs for stormwater management and spill response. A virtual training was provided to select personnel from the Department of Public Works and the Engineering Department on May 12, 2022.

4. CONSTRUCTION SITE RUNOFF CONTROL (Section 6(a)(4) / page 25)

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20)	Ongoing	In 2022, the Town's consultant, B&L completed a review of the Town's land use regulations for compliance with the MS4 General Permit.	Revise Land Use Regulations.	Town Planner	7/1/23	In 2023, it is anticipated that the Town will review B&L's recommendations towards improving compliance with the MS4 General Permit.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	Complete/ Ongoing	Site plans are uploaded by the applicant to the building permit files through Viewpoint Cloud where they can be checked for consistency with plans approved by commissions. In 2022, 38 P&Z / Wetland applications were reviewed.	Review and improve existing interdepartmental coordination.	Town Planner	7/1/17 Ongoing	It is anticipated that the Town will continue in 2023 to implement plans for interdepartmental coordination in site plan review and approval
4-3 Review site plans for stormwater quality concerns (Ongoing)	Complete/ Ongoing	Town road and drainage construction projects are presented to the Inland Wetlands and Watercourse Commission and/or Planning and Zoning Commission for review and approval prior to implementation.	Continue to improve process of site plans for stormwater quality concerns.	Town Engineer	7/1/17 Ongoing	It is anticipated that the Town will continue in 2023 to review site plans for stormwater quality concerns
4-4 Conduct site inspections (Ongoing)	Complete/ Ongoing	Construction site inspections are performed by P&Z Department for site plans and Public Works and Engineering for new road construction.	Continue to improve site inspections process.	Environmental Planner/ZEO	7/1/17 Ongoing	It is anticipated that the Town will continue construction site inspections in 2023

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
4-5 Implement procedure to allow public comment on site development (Ongoing)	Complete/ Ongoing	The Town Planning and Zoning Commission, Environment Commission, and Inland Wetlands and Watercourse Commission hold regular meetings, which are open to the public for comment on permit applications, Town events, and other related topics. Public hearings are usually held as part of the land use application process for all new and redevelopment projects.	Continue existing procedure for allowing public comment on site development.	Town Planner	7/1/17 Ongoing	It is anticipated that The Town Planning and Zoning Commission, Environment Commission, and Inland Wetlands and Watercourse Commission will continue to hold regular meetings that are open to the public in 2023
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	Complete/ Ongoing	A notice for contractors/developers to apply for the CT DEEP Construction General Permit appears on all land use applications. Additionally, copies of CT DEEP permits and instructions are available in the Public Works office.	Provide notice of need for CT DEEP's General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities to developers and engineers.	Town Planner	2/1/18 Ongoing	It is anticipated that the Town will continue to notify developers and other entities in 2023 about their potential obliogation to apply for an industrial stormwater permit
4-7 Hyperlinking "as-built" plans and record maps to a GIS index	In Progress	Road and drainage as-builts, including the two new roads, are hyperlinking in the Town's Geocortex application. Individual house as-builts have been scanned and are available to town staff, but are not yet hyperlinked.	Hyperlinking "as-built" plans and record maps to a GIS index to facilitate their retrieval	GIS Consultant	Ongoing	It is anticipated that the Town will hyperlink the road and driange as-builts to the Town's GIS server in 2023.

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

- Review ordinances / regulations for compliance with MS4 General Permit and update, as needed.
- Continue to review all design plans for stormwater quality concerns.
- Continue to conduct construction inspections.
- Continue to follow all State public notice and hearing requirements and follow up on all comments and complaints received.
- Continue to provide notice of need for Construction Stormwater GP to developers and engineers.
- Continue to hyperlink "as-built" plans and record maps to the GIS index.

5. POST-CONSTRUCTION STORMWATER MANAGEMENT (Section 6(*a*)(5) / page 27)

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22)	In Progress	In 2022, the Town's consultant, B&L completed a review of the Town's land use regulations for compliance with the MS4 General Permit.	Revise regulations to meet MS4 Permit post-construction stormwater management requirements.	Town Planner	7/1/23	In 2023, it is anticipated that the Town will review B&L's recommendations towards improving compliance with the MS4 General Permit.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Complete/ Ongoing	Construction site inspections are performed for compliance with approved applications. The P&Z Department inspects site plans and Public Works and Engineering inspect new road construction.	Prepare enforcement log.	Town Planner	7/1/19 Ongoing	It is anticipated that the Town will have the land use regulations evaluated in 2023 for recommendations towards improving compliance with the MS4 General Permit.
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	Substantially Complete	The Town maintains a GIS database of detention basins and retention basins.	Prepare GIS Map Layer of retention and detention ponds in the priority area.	Town Engineer	7/1/19 Ongoing	In 2023, it is anticipated that the Town will conduct a review of the mapping and make updates to the ponds, as necessary.
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	Ongoing	In 2022, the Town's consultant, B&L began to prepare a long-term maintenance plan for stormwater basins and treatment structures.	Prepare a written operations and maintenance plan for stormwater basins and treatment structures.	Town Engineer	7/1/23 Ongoing	It is anticipated that the Town will have a draft plan in place by 7/1/23.
5-5 DCIA mapping (Due 7/1/20)	Substantially Complete – Ongoing	The DCIA for the priority areas have been calculated using the available impervious cover layers.	Determine DCIA and include as a GIS Layer in the MS4 mapping.	Town Engineer	3/31/21 Ongoing	The DCIA mapping will be updated, as necessary, to include retrofit, development and development projects.
5-6 Address post-construction issues in areas with pollutants of concern	Complete/ Ongoing	The Town documents post-construction issues in areas with pollutants of concern using IWorQ.	Use IWorQ log to document post-construction issues in areas with pollutants of concern.	Town Engineer	Ongoing	

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

- Review ordinances/ regulations for compliance with MS4 General Permit and update, as needed.
- Continue to enforce LID/runoff reduction requirements for development and redevelopment projects.
- Finalize Stormwater Structures Management Plan for stormwater basins and treatment structures.
- Continue updating the DCIA mapping, as necessary.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	420 acres
Acres DCIA disconnected (redevelopment plus retrofits)	TBD
Retrofit projects completed	2 completed, 2 in design phase
Percent DCIA disconnected	TBD
Estimated cost of retrofits	TBD
Detention or retention ponds identified	19 total

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

To calculate the baseline DCIA for the Town of Cheshire, the Town used the process found on the CT NEMO website. CT NEMO developed 5 formulas to calculate the DCIA and Impervious Cover (IC) independently for each basin in the Town using the percent DCIA for the basin with the state DCIA removed from the equation. The Town's consultant used the formulas and created a bell curve to input the calculated percent of DCIA for each basin and calculate the total DCIA and IC amounts for the Town. Each basin value was added together to create the baseline for the DCIA and IC for the Town.

6. POLLUTION PREVENTION/GOOD HOUSEKEEPING (Section 6(*a*)(6) / page 31)

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
6-1 Develop/implement formal employee training program (Ongoing)	Complete/ Ongoing	The Town conducts training of Public Works Department and Water Pollution Control Division (WPCD) employees on BMPs for stormwater management and spill response. A virtual training was provided to select personnel from the Department of Public Works and the Engineering Department on 5/12/22.	Prepare an employee training document.	Public Works Director	Ongoing	It is anticipated that the Town will continue to conduct training of Public Works Dept. and Water Pollution Control Division personnel in 2023.
6-2 Implement MS4 property and operations maintenance (Ongoing)	Complete/ Ongoing	Continued to follow SOPs. Salt piles at municipal facilities are stored under cover and on impervious surfaces. Town industrial stormwater discharges are monitored. Vehicle maintenance is performed undercover. The DPW Garage, Art's Place Center and Water Pollution Control Facility are inspected in in accordance with the SWPPP & SPCC for each facility. The Police and Fire Stations have recently been identified as requiring SPCC Plans.	Evaluate Town owned vehicles and facilities for chemical storage and stormwater best management practices.	Public Works Director	7/1/21 Ongoing	The Town has contacted with B&L to conduct inspections of Town-owned/-maintained facilities.
6-3 Implement coordination with interconnected MS4s	Ongoing	Through the outfall identification process, the Town has identified several interconnections with the neighboring towns/cities.	Document progress in Annual Report	Public Works Director	Ongoing	
6-4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing	The Town has had a contract with a vendor for mitigating the geese at Mixville Park since 2019.	Document progress in Annual Report	Town Engineer	Ongoing	
6-5 Evaluate additional measures for discharges to impaired waters*	Ongoing	The Town has had a contract with a vendor for mitigating the geese at Mixville Park since 2019, which is impaired for bacteria.	Document progress in Annual Report	Town Engineer	Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
6-6 Track projects that disconnect DCIA (Ongoing)	Ongoing	A table was created for tracking disconnected DCIA. The Town will work to fill out the tracking table in 2023.	Document progress in Annual Report	Town Engineer	7/1/23 Ongoing	
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Ongoing	After the completion of outfall inspections, the Town will begin to prioritize the maintenance needed to outfalls, correct structural deficiencies, add riprap where appropriate, or remove sediment accumulations.	Document progress in Annual Report	Public Works Director	12/31/23 Ongoing	It is anticipated that the remainder of outfalls will be inspected in 2023 and a list of needed repairs will be generated at that time.
6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	Ongoing	Conceptual plans for South Main Street and Jocelyn Lane have been developed. In 2023, the Town will work with B&L to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.	Document progress in Annual Report	Public Works Director	12/31/22	The Town has contracted with a consulting firm to assist with developing a retrofit plan.
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/23)	To Be Started	In 2023, the Town will work with B&L to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.	Implement retrofit projects		7/1/22	
6-10 Develop/ implement street sweeping program (Ongoing)	Complete/ Ongoing	In 2022, the Town continued to conduct street sweeping during the spring months.	Document progress in Annual Report	Public Works Director	7/1/17 Ongoing	
6-11 Develop/ implement catch basin cleaning program (Ongoing)	In Progress/ Ongoing	In 2022, the Town continued with catch basin cleaning program to the maximum extent practicable.	Inspect all catch basins within the priority area.	Public Works Director	7/1/18 Ongoing	A vac truck was purchased in 2018 for the purpose of the catch basin cleaning program. Detailed digital inspection forms are now competed on IPADs, and resulting data can be queried.
6-12 Develop/ implement snow management practices (Due 7/1/18)	Complete/ Ongoing	The Town stopped sanding roads around 2006 and follows state guidelines with respect to best management practices.	Document progress in Annual Report	Public Works Director	7/1/17 Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
6-13 Conduct Town-wide Bulky Waste Pickup	Complete/ Ongoing	Town-wide bulky waste collection was conducted in 2021 and approx. 800 tons of waste was collected.	Collect bulky waste every 5 years.	Public Works Director	10/1/19 Ongoing	The Town conducts collection events under the direction of Town Management, as needed.

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

- Continue to conduct annual MS4 training events.
- Continue to review MS4 property and operations maintenance practices and look for areas to optimize.
- Fill out the tracking spreadsheet for DCIA disconnection.
- Begin to prioritize the maintenance needed to outfalls, correct structural deficiencies, add riprap where appropriate, or remove sediment accumulations.
- Continue efforts to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.
- Continue street sweeping, catch basin cleaning, and snow management practices.
- Continue to contract with vendor for mitigating the geese at Mixville Park.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Yes – 5/12/22
Street sweeping	
Curb miles swept	153 miles
Volume (or mass) of material collected	~200 cubic yards
Catch basin cleaning	
Total catch basins in priority area	TBD
Total catch basins town	5,950
Catch basins inspected	481
Catch basins cleaned	462
Volume (or mass) of material removed from all catch basins	330 cubic feet
Volume removed from catch basins to impaired waters (if known)	Unknown
Snow management	
Type(s) of deicing material used	salt treated with magnesium and liquid deicers
Total amount of each deicing material applied	1,220 tons of treated salt; 1,280 tons of bulk salt; 1,805 gallons of liquid deicer
Type(s) of deicing equipment used	Trailer brine bar spreader, plow truck sanders
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	153 miles
Snow disposal location	N/A
Staff training provided on application methods & equipment	In 2022 training was provided to new staff, as needed

Metrics	
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	N/A
Reduction in turf area (since start of permit)	N/A
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	N/A

6.4 Catch Basin Cleaning Program

Provide any updates or modifications to your catch basin cleaning program.

In 2017, Town crews logged and inspected approximately 1,000 catch basins, while they were being cleaned by an outside vendor. In 2018, the Town inspected 400 catch basins. Of the 400 catch basins, the Town cleaned 135 catch basins with a newly purchased vac truck. In 2019, the Town inspected, logged, and cleaned 1,090 catch basins. In 2020, the Town inspected, logged, and cleaned 802 catch basins. In 2022, the Town inspected, logged, and cleaned 481 catch basins. In total the Town has cleaned 3,769 catch basins and inspected 3,504 under the 2017 MS4 Permit.

When catch basins inspections take place, detailed digital inspection forms are competed on IPADs and the resulting data can be queried. With the information logged, the Town knows the depth of each sump and at what point the catch basins will reach 50% full.

6.5 Retrofit Program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project. (Due 7/1/20)

The Town, in collaboration with B&L, continues to evaluate potential stormwater disconnection projects, working to identify and execute projects as appropriation of funds are made available.

The Town continues to evaluate an opportunity to remove portions of a 650 linear foot, 36-inch diameter storm drain, located on South Main Street, that flows across Regional Water Authority property and discharges directly into an intermittent tributary of the Mill River. This project could provide for the buffering of bacteria and pollutants by providing soil and vegetation interface and low-flow recharge from the approximately 80-acre primarily residential watershed (but also drains a portion of CT Route 10). The Town has met with the water company representatives and developed a basemap. The Town continues to assess the water quality currently flowing through this pipe that lies within the aquifer and in close proximity to an active wellfield to make sure that removal of the pipe will not adversely affect drinking water quality.

In November of 2021, capital funds were made available to support the design and construction of a project identified on Roselyn drive. This project is expected to redirect the first inch of runoff from an 11.3+/- acre watershed area with three of these acres being impervious cover. The area of Town open space identified for the stormwater infiltration area is positioned well and would ultimately direct flow into the Willow Brook off Rockview Drive. The Town is currently planning on the design and permitting phase of this project to occur in calendar year 2023.

The Town installed a 2,400 s.f. rain garden at the Byam Rd. Fire Station that disconnected 40,000 s.f of impervious area, including the entire parking lot as well as part of the heavily traveled road that previous discharged directly into a watercourse. This stormwater disconnect project was funded by, and coordinated with, UConn CLEAR utilizing grant money from the National Fish and Wildlife Foundation. A link to the project details can be found on the Town's stormwater page.

For FY 2022-2023, the Town has budgeted over $67,000 in funding to support ongoing MS4 projects. B&L continues to be retained by the Town in order to continue its support of ongoing MS4 projects. For FY 2022-2023, the Town has appropriated $110,000 for stormwater drainage disconnects and related services. Over the next five-years, the Town plans on allocating an additional $220,000 for MS4 disconnects, as indicated in the Towns' approved 2022-2023 Capital Expenditures Plan.

Town installed a 1,000 s.f. rain garden at 55 Railroad Ave. that prevented 10,000 s,f. worth of impervious pavement stormwater runoff from entering the Town's MS4 system. Native plants and vegetation were installed as part of the restoration process.

In 2022,the Town and B&L completed the following tasks related to the Roslyn Street MS4 disconnection project:

- Exsisting conditions and initial survey layout complete
- Town installed a 1,000 s.f. rain garden at 55 Railraod Ave. that prevented 10,000 s,f. worth of impervious pavement stormwater runoff from entering the Town's MS4 system. Native plants and other vegetation were installed as part of the restoration process.
- Prelimiary design is 100% complete on 2 projects.
- Final design is underway and is scheduled to be completed in 2023
- Easement acquisition is underway
- Construction will likely begin in the late summer, early fall of 2023

In 2023 Town will continue to work to identify potential opportunities for disconnection and work to secure funding to support the design and implementation of these projects to the maximum extent practicable.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection annually in future years. (Due 7/1/23)
In 2023, the Town will continue to identify and prioritize potential projects and funding for the Retrofit Program to the maximum extent practicable.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

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

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.
1. In 2018-2019, wet weather screening activities were carried out by a summer intern. In 2020, funding for the summer intern was cut due to the COVID-19 pandemic. Wet weather screening efforts resumed at the end of 2020 with the hiring of Barton & Loguidice and sampling will continued at that time. From 2018-2019, three impaired outfalls were sampled. An additional 15 outfalls that were initial believed to be impaired outfalls were also sampled in 2018-2019. In 2020, five additional impaired outfalls were wet weather sampled. To date, 8 of 27 impaired outfalls were wet weather sampled. The Town anticipates completing the remaining impaired wet weather sampling in 2023. 2. Of the eight outfalls sampled to date, seven of the outfalls will require investigations based on the results of the samples collected. Due to the recent updates to the impaired waterbodies data provided by UCONN Clear, several of the outfalls previously sampled now have new required impaired parameters. These outfalls will be revisited in 2023 to sample for the new required parameters. 3. Because of the limited amount of Town impaired outfalls, wet weather samples will be collected at all 27 impaired outfalls prior to selecting the six priority outfalls for annual sampling. In 2021, an additional six outfalls discharging to impaired waterbodies were identified during the outfall field verification process. Due to an extensive amount of effort spent on locating and updating the mapping for the municipal outfalls to the maximum extent practicable and, due to lack of qualifying rain events in 2022, no additional efforts were completed on wet or dry weather screening and sampling for the impaired outfalls. B&L will continue to attempt to collect wet weather samples from the impaired outfalls until all known locations are sampled. Once the remaining impaired wet weather samples are collected, B&L will focus on the wet weather investigation samples and the six annual priority outfall samples. Coordination with the qualifying rain events will continue to be conducted for future monitoring events. No additional changes have been made to the Stormwater Management Plan at this time. In December 2022, 17 catch basins and manholes were screened during a wet-weather event and were sampled for: Chlorine, Surfactants (MBAs), Ammonia, Turbidity, Ammonia, E.Coli and Total Coliform. This effort was completed as part of an investigation process to identify potential pollutant sources prior to the construction of a treatment structure to disconnect parts of South Main Street.

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

2.1 Screening data

Outfall ID	Latitude	Longitude	Sampling Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	Total Coliform (col/100mL)	E. Coli (col/100mL)	Phosphorous (mg/L)	Lab	Investigation Required
219	41.45355272	-72.90021183	11/30/2020	n/a	n/a	>24200	3650	n/a	Phoenix	Yes
300	41.52888408	-72.86768483	6/11/2019			n/a	7270		Phoenix	Yes
378	41.4596764	-72.9171558	11/30/2020	n/a	n/a	>24200	72	n/a	Phoenix	Yes
439	41.45964208	-72.90132747	3/2/2018	n/a	n/a	>24200	1070	n/a	Phoenix	Yes
614	41.53692101	-72.87200743	3/2/2019			n/a	14100		Phoenix	Yes
662	41.54941261	-72.87090647	11/30/2020	31.2	2.37	n/a	404		Phoenix	Yes
746	41.56176324	-72.87865489	11/30/2020	10.81	9.29	n/a	323		Phoenix	No
840	41.54937452	-72.87071795	11/30/2020	8.63	2.37	n/a	538		Phoenix	Yes

2.2 Credit for screening data collected under 2004 permit

If any outfalls to impaired waters were sampled under the 2004 MS4 permit, that data can count towards the monitoring requirements under the modified 2017 MS4 permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

Outfall	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
N/A					

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
In 2023, the Town will be focusing efforts on collecting wet weather samples from the remaining impaired outfalls to the maximum extent practicable, and will continue to attempt to collect wet weather samples from the impaired outfalls until all known locations are sampled. Once the remaining impaired wet weather samples are collected, the Town will focus on the wet weather follow-up investigations.		

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, 2020.

Outfall	Latitude / Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
Once the remaining impaired wet weather samples are collected, the Town will focus efforts on the six annual priority outfall samples. It is anticipated that this will be conducted in 2023.					

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).

See attachment provided with this report.
Please note that many new outfalls were identified in 2021 that have not been ranked yet. It is anticipated that this will be completed in 2023.

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

Table 2.1a - Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Temp (°C)	Conductivity (umhos/cm)	Salinity (g/kg)	Ammonia (mg/L)	MBAs (mg/L)	Chlorine (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required
108	41.541147	-72.90066428	12/16/2020	8.4	433	0.31	0	1.5	0.11	<10	Phoenix	No
111	41.51851418	-72.88105052	12/16/2020	5.3	298	0.143	0.00	1.5	0	10	Phoenix	No
137	41.52580902	-72.87543904	1/26/2021	8.8	253	0.122	3.00	0.25	0.28	10	Phoenix	Yes
149	41.5479858	-72.88179943	1/12/2021	10.6	390	0.19	0.00	0.25	0	<10	Phoenix	No
151	41.53957672	-72.878841	3/30/2021	8.8	164	0.073	0.00	0.06	0.02	<10	Phoenix	No
152	41.5261725	-72.85921871	8/3/2021	15.4	401	0.271	0.00	0.09	0	<10	Phoenix	No
213	41.45071467	-72.89374901	4/9/2021	11.5	684	0.334	0.00	0	0.02	<10	Phoenix	No
229	41.54848595	-72.95263184	3/30/2021	8.4	211	0.094	0.25	0.1	0	10	Phoenix	No
237	41.53429092	-72.94621238	12/16/2020	6.64	7.3	0.05	0.00	0.5	0	10	Phoenix	No
243	41.55837433	-72.91343252	8/10/2021	22.7	635	0.298	0.00	0.19	0.02	<10	Phoenix	No
245	41.55076594	-72.95663757	12/16/2020	1.3	219	0.106	0.50	0.25	0.03	31	Phoenix	Yes
259	41.54518328	-72.96064722	12/16/2020	1.8	501	222	0.25	0.25	0	<10	Phoenix	No
262	41.53926123	-72.95208719	4/8/2021	12.5	238	0.113	0.00	0.04	0	74	Phoenix	No

Table 2.1a - Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Temp (°C)	Conductivity (umhos/cm)	Salinity (g/kg)	Ammonia (mg/L)	MBAs (mg/L)	Chlorine (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required
263	41.53998597	-72.94741442	4/8/2021	11.5	464	0.213	0.00	0.09	0	<10	Phoenix	No
276	41.5299341	-72.93203732	12/16/2020	7.43	177	0.13	0.00	0.75	0	<10	Phoenix	No
278	41.51494736	-72.93413966	8/11/2021	23.3	134	0.0633	0.00	0.09	0	109	Phoenix	No
287	41.51372783	-72.89098075	12/16/2020	5.4	286	0.137	0.25	0.75	0	52	Phoenix	No
29	41.5224144	-72.93620839	1/21/2021	7.6	174	0.0828	0.00	0.5	0.11	<10	Phoenix	No
292	41.52623006	-72.87859347	1/26/2021	5.2	392	0.192	0.00	0.5	0.01	1480	Phoenix	No
293	41.52655853	-72.87539782	4/13/2021	13.4	552	0.249	0.00	0.1	0.01	<10	Phoenix	No
31	41.52231121	-72.92596582	1/21/2021	4.6	124	0.0595	0.00	0.5	0.32	10	Phoenix	No
323	41.48922803	-72.89277553	8/5/2021	19	331	0.219	0.00	0.09	0.04	52	Phoenix	No
328	41.48867286	-72.89243411	1/12/2021	6.2	189	0.091	0.25	0.25	0.01	2760	Phoenix	No
33	41.52493423	-72.92628542	12/2/2020	11.7	229	0.11	0.00	0.25	0.05	108	Phoenix	No
367	41.54338544	-72.86778966	12/16/2020	1.8	401	187	0.25	0.25	0	30	Phoenix	No
370	41.5552428	-72.92539846	12/16/2020	1.18	252	117	0.25	0.25	0.01	20	Phoenix	No
391	41.46617007	-72.93710876	8/10/2021	21.62	477	0.25	0.00	0.55	0.07	<10	Phoenix	No
416	41.47766211	-72.93036891	1/21/2021	6.4	281	0.138	0.25	0.25	0.01	<10	Phoenix	No
435	41.45901745	-72.91080776	7/14/2021	16.9	425	0.205	0.00	0.13	0.08	<10	Phoenix	No
452	41.46085506	-72.88389306	4/9/2021	12.2	447	0.213	0.00	0	0.02	10	Phoenix	No
457	41.46508423	-72.88628018	4/13/2021	11.5	315	0.153	0.25	0.12	0.08	<10	Phoenix	No
479	41.48389139	-72.9203706	1/21/2021	6.8	327	0.151	0.00	0.25	0	31	Phoenix	No
490	41.48149774	-72.86800525	8/10/2021	20	381	0.183	0.00	0.22	0.06	341	Phoenix	No
5	41.50328241	-72.86783126	7/29/2021	19	165	0.0787	0.00	0.04	0	10	Phoenix	No
525	41.49791705	-72.92718582	12/28/2020	7.4	289	0.142	0.00	0.25	0.03	<10	Phoenix	No
526	41.49879644	-72.91559501	8/11/2021	19.9	438	0.299	0.00	0.19	0.02	110	Phoenix	No
530	41.49860217	-72.9143358	8/11/2021	23.6	458	0.306	0.25	0.11	0.17	3080	Phoenix	No
544	41.48899982	-72.90099914	1/12/2021	5.7	262	0.13	0.00	0.25	0	41	Phoenix	No
547	41.48326926	-72.87758338	1/21/2021	5	374	0.186	0.00	0.25	0.04	<10	Phoenix	No
549	41.48605141	-72.88190675	12/9/2020	7.1	326	0.15	0.00	0.5	0.09	<10	Phoenix	No
559	41.48805553	-72.88510945	1/12/2021	4.9	271	0.131	0.25	0.25	0.02	<10	Phoenix	No
6	41.50426707	-72.8678278	12/2/2020	8.91	115	0.08	0.00	0.25	0.02	75	Phoenix	No
602	41.5343902	-72.96053623	12/2/2020	7.6	103	0.0699	0.00	0.75	0.07	457	Phoenix	No
626	41.51442192	-72.88736196	12/16/2020	1.8	353	0.172	0.25	1	0.01	31	Phoenix	No
627	41.51527825	-72.90961094	12/2/2020	10.8	331	0.16	0.25	0.25	0	85	Phoenix	No
632	41.5181787	-72.93729949	12/2/2020	10.5	507	0.224	0.00	0.25	0.43	<10	Phoenix	No
639	41.53846914	-72.93696663	12/2/2020	8.9	200	0.132	0.00	0.75	0.08	<10	Phoenix	No
646	41.4838637	-72.89238177	1/26/2021	6.2	300	0.147	0.00	0.5	0.04	20	Phoenix	No

Table 2.1a - Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Temp (°C)	Conductivity (umhos/cm)	Salinity (g/kg)	Ammonia (mg/L)	MBAs (mg/L)	Chlorine (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required
653	41.52548985	-72.88921659	12/16/2020	6.1	275	0.133	0.00	0.25	0.06	305	Phoenix	No
655	41.52735865	-72.87581712	12/2/2020	12.1	394	0.19	0.50	0.5	0	98	Phoenix	No
683	41.52452635	-72.88281875	12/2/2020	10.6	457	0.213	0.00	0.5	0	98	Phoenix	No
697	41.51282805	-72.91568176	12/2/2020	10.56	176	0.12	0.25	0.5	0	933	Phoenix	No
704	41.51383011	-72.90133407	12/2/2020	12.1	375	0.182	0.00	0.25	0.04	288	Phoenix	No
709	41.51034944	-72.85053762	12/2/2020	7.9	372	0.181	0.00	0.25	0	97	Phoenix	No
71	41.52874274	-72.90866628	1/26/2021	9.3	6703	3.609	1.00	0.75	0	<10	Phoenix	No
713	41.50339076	-72.93006758	12/2/2020	8.96	60	0.04	0.00	0.25	0.01	146	Phoenix	No
715	41.50515385	-72.9267303	12/2/2020	8.59	82	0.06	3.00	0	0	31	Phoenix	No
724	41.49399374	-72.91039754	12/28/2020	6.8	312	0.151	0.25	0.25	0.04	259	Phoenix	No
725	41.49472665	-72.90847496	12/28/2020	7.8	228	0.149	0.00	0.25	0.01	583	Phoenix	No
735	41.49492589	-72.87487149	3/30/2021	9	635.8	0.31	0.00	0.53	0.09	85	Phoenix	No
736	41.49331454	-72.87490986	3/30/2021	9.7	578.1	0.28	0.00	0.2	0.1	63	Phoenix	No
770	41.50694463	-72.92611625	12/2/2020	11.67	276	0.19	0.00	0.25	0	<10	Phoenix	No
798	41.5007667	-72.91416706	12/2/2020	8.69	187	0.13	0.25	0.25	0.06	148	Phoenix	No
810	41.49677474	-72.93062982	12/9/2020	13.4	434	0.232	0.00	0.25	0.15	<10	Phoenix	No
846	41.52572157	-72.87938344	12/2/2020	8	251	0.121	0.25	0.25	0	<10	Phoenix	No
847	41.52568183	-72.87933414	12/2/2020	7.4	195	0.0967	0.25	0.5	0.02	31	Phoenix	No
91	41.51690291	-72.87419198	12/16/2020	8.2	361	0.176	0.00	0.75	0.4	51	Phoenix	No
BRIG_1	41.5347321	-72.91289976	4/8/2021	12.2	429	0.209	0.00	0.12	0	<10	Phoenix	No
CARR_1	41.49884473	-72.88686252	3/30/2021	12.8	352.8	0.17	0.50	0.18	0.01	<10	Phoenix	No
DUND_1	41.5379366	72.9135876	8/11/2021	22.57	469	0.24	0.00	0.15	0.12	<10	Phoenix	No
FAR_1	41.49475639	-72.89060175	3/30/2021	11.1	628.8	0.31	1.00	0.23	0	<10	Phoenix	No
FAR_4	41.49475639	-72.89060175	3/30/2021	12.5	545.2	0.27	0.00	0.25	0.09	<10	Phoenix	No
JARV_1	41.53431313	-72.91805086	1/12/2021	6.4	324	0.158	0.00	0.25	0.18	<10	Phoenix	No
OLDF_3	41.45439136	-72.88634912	4/9/2021	10.9	465	0.213	0.00	0	0.02	<10	Phoenix	No
OLDF_4	41.45527434	-72.88990668	4/9/2021	11.6	511	0.226	0.00	0	0	<10	Phoenix	No
PLAN_1E	41.52631238	-72.95787918	12/2/2020	11.3	692	0.339	0.00	0.25	0.32	10	Phoenix	No
PLAN_1W	41.52631238	-72.95787918	12/2/2020	12.1	271	0.13	0.00	0.25	0	20	Phoenix	No
RESE_1	41.50426112	-72.85196467	7/29/2021	18.6	376	0.181	0.00	0.09	0.2	20	Phoenix	No
SBRO_3	41.46651057	-72.92093252	7/14/2021	17.3	143	0.0705	0.00	0.06	0.02	10	Phoenix	No
TALM_1	41.49352395	-72.88192584	3/30/2021	11.9	680	0.33	0.00	0.24	0.13	<10	Phoenix	No
TALM_2	41.49352395	-72.88192584	3/30/2021	11.4	532.1	0.26	0.00	0.19	0.04	<10	Phoenix	No
WATE_2	41.53783009	-72.94486168	4/8/2021	12.6	304	0.147	0.00	0.1	0.03	10	Phoenix	No
WILL_1	41.49684613	-72.89167604	12/28/2020	7.1	164	0.084	0.25	0.25	0	171	Phoenix	No

Table 2.1b - Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	E. Coli (col/100mL)	Phosphorous (mg/L)	Lab	Investigation Required
184	41.53068	-72.86769743	8/3/2021	0.67	1.55	10	<0.01	Phoenix	No
298	41.52934161	-72.87006197	8/3/2021	0	0.39	63	0.025	Phoenix	No
300	41.52888408	-72.86768483	8/3/2021	0.18	0.37	10	0.013	Phoenix	No
816	41.48606161	-72.90204573	12/9/2020	n/a	n/a	52	n/a	Phoenix	No

2.2 Wet weather sample and inspection data

Outfall / Interconnection ID	Latitude	Longitude	Sample date	Escherichia Coli (col/100ml)
5	41.503282	-72.867831	6/11/2019	52
111	41.518514	-72.881051	6/11/2019	189
151	41.539577	-72.878841	3/2/2018	148
295	41.528044	-72.874202	6/11/2019	317
307	41.502885	-72.927298	6/11/2019	393
308	41.502637	-72.921495	6/11/2019	2910
389	41.466631	-72.920345	6/11/2019	12000
429	41.469176	-72.930446	6/11/2019	173
528	41.498698	-72.914979	6/11/2019	1610
562	41.485744	-72.872016	3/2/2018	5170
595	41.504524	-72.888261	6/11/2019	2220
632	41.518179	-72.937299	6/11/2019	1070
754	41.547757	-72.900775	3/2/2018	404
797	41.548096	-72.881329	3/2/2018	2280
810	41.496775	-72.93063	6/11/2019	1250

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

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.

Outfall ID	Receiving Water	System Vulnerability Factors
It is anticipated that this will be initiated during 2023.		

3.2 Key junction manhole dry weather screening and sampling data

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
It is anticipated that this will be initiated in 2023 and will be completed to the maximum extent practicable. The Town is focusing dry weather sampling efforts on IDDE screening prior to conducting dry weather investigations.						

3.3 Wet weather investigation outfall sampling data

Outfall or Structure ID	Sample Date	Temp (°C)	Conductivity (umhos/cm)	Salinity (g/kg)	Chlorine (mg/L)	MBAs (mg/L)	Ammonia (mg/L)	E. Coli (col/100mL)	VOCs
354	11/30/2020							6870	-
354	3/18/2021	8.2	149	0.0769	0.02	>2.5	0	144	ND
CB-FF476	3/18/2021	7.8	253	0.111	0	>2.5	0.25	31	ND
CB-FF457	3/18/2021	9.4	132	0.0627	0.01	0.18	0.25	161	ND
CB-FF569	3/18/2021	9.8	125	0.0504	0.002	0.17	0.25	41	ND
354	12/12/2022	6.7	501.6	0.25	0.05	0.33	0	2010	ND
CB6943	12/12/2022	5.9	343.4	0.16	0.16	0.48	0	203	ND
CB6944	12/12/2022	5.3	585.5	0.29	0.06	0.03	0	63	ND
CB6943-CB6922	12/12/2022	5.5	344.1	0.16	0.09	0.48	0	>24200	ND
CB8203-CB6922	12/12/2022	5.6	329	0.16	0.12	0.33	0	1110	ND
CB6924-CB6922	12/12/2022	5.9	373.4	0.18	0.37	0.4	0	1830	ND
CB7911-DMH139	12/12/2022	5.7	688.3	0.34	0.33	0.44	0	20	ND
CB6948-DMH139	12/12/2022	5.5	224.6	0.11	0.01	0.51	0.25	52	ND
DMH140-DMH-139	12/12/2022	5.6	310.1	0.15	0.03	0.43	0.25	1350	ND
CB6287-CB6290	12/12/2022	3	6.6	493	0.24	0.25	0.34	650	ND

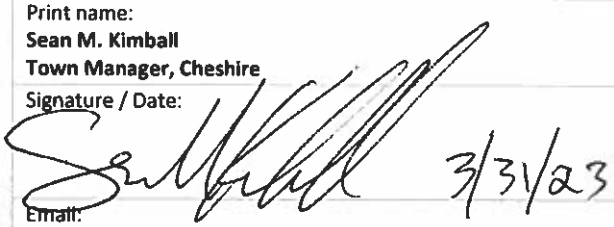
Outfall or Structure ID	Sample Date	Temp (°C)	Conductivity (umhos/cm)	Salinity (g/kg)	Chlorine (mg/L)	MBAs (mg/L)	Ammonia (mg/L)	E. Coli (col/100mL)	VOCs
CB6286-CB6290	12/12/2022	0.5	6.5	560	0.27	0.22	0.37	695	ND
CB6257-CB6924	12/12/2022	2	5.7	391.3	0.19	0.16	0.3	2110	ND
CB6923-CB6924	12/12/2022	0.5	5.2	363.1	0.17	0.23	0.3	336	ND

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
286 Industrial Ave	Poll & Water Company of CT	Residue from the Washout of a pool filter onto driveway	Visual observation with inspecting nearby bridge	10/8/20	10/8/20	Phone call to business owner and Notice of Violation sent in follow-up	

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: **Sean M. Kimball** **Town Manager, Cheshire**	Print name: **Seth Travis** **Barton & Loguidice, LLC**
Signature / Date:  3/31/23	Signature / Date: 
Email: **townmanager@cheshirect.org**	Email: **stravis@bartonandloguidice.com**

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
219	Mill River (Hamden/Cheshire)-02	15	0	0		3		3					15	21	1
137	Unnammed Waterbody		9	0		0		3					9	12	2
662	Quinnipiac River-04	6	0	0		3		3					6	12	4
614	Quinnipiac River-04	6	0	0		3		2					6	11	5
300	Quinnipiac River-04	4	0	0		3		3					4	10	6
91	Unnammed Waterbody		6	0		0		3					6	9	7
108	Unnammed Waterbody		7	0		0		2					7	9	8
111	Unnammed Waterbody		6	0		0		3					6	9	9
715	Willow Brook		6	0		0		3					6	9	10
31	Unnammed Waterbody		5	0		0		3					5	8	11
71	Unnammed Waterbody		5	0		0		3					5	8	12
602	Unnammed Waterbody		5	0		0		3					5	8	13
840	Quinnipiac River-04	2	0	0		3		3					2	8	14
292	Unnammed Waterbody		4	0		0		3					4	7	15
328	Unnammed Waterbody		4	0		0		3					4	7	16
626	Unnammed Waterbody		4	0		0		3					4	7	17
632	Tenmile River		4	0		0		3					4	7	18
639	Cuff Brook		4	0		0		3					4	7	19
697	Unnammed Waterbody		4	0		0		3					4	7	20
733	Mill River (Cheshire)-03	0	2	0		2		3					2	7	21
816	Mill River (Cheshire)-03	0	2	0		2		3					2	7	22
29	Tenmile River		3	0		0		3					3	6	23
183	Quinnipiac River-04	0	0	0		3		3					0	6	24
184	Quinnipiac River-04	0	0	0		3		3					0	6	25
208	Quinnipiac River-04	0	0	0		3		3					0	6	26
245	Unnammed Waterbody		3	0		0		3					3	6	27
276	Unnammed Waterbody		3	0		0		3					3	6	28
287	Unnammed Waterbody		3	0		0		3					3	6	29
298	Quinnipiac River-04	0	0	0		3		3					0	6	30
439	Mill River (Hamden/Cheshire)-02	2	0	0		3		1					2	6	31
532	Mill River (Cheshire)-03	0	0	0		3		3					0	6	32
646	Unnammed Waterbody		3	0		0		3					3	6	33
655	Unnammed Waterbody		3	0		0		3					3	6	34
735	Unnammed Waterbody		3	0		0		3					3	6	35
746	Quinnipiac River-04	0	0	0		3		3					0	6	36
810	Unnammed Waterbody		3	0		0		3					3	6	37
847	Unnammed Waterbody		3	0		0		3					3	6	38
33	Unnammed Waterbody		2	0		0		3					2	5	39
181	Quinnipiac River-04	0	0	0		3		2					0	5	40
182	Quinnipiac River-04	0	0	0		3		2					0	5	41
237	Unnammed Waterbody		2	0		0		3					2	5	42
336	Mill River (Cheshire)-03	0	0	0		2		3					0	5	43
378	Willow Brook (Hadam)-01	0		0		2		3					0	5	44
379	Willow Brook (Hadam)-01	0		0		2		3					0	5	45
525	Unnammed Waterbody		2	0		0		3					2	5	46
542	Mill River (Cheshire)-03	0	0	0		2		3					0	5	47
543	Mill River (Cheshire)-03	0	0	0		2		3					0	5	48
559	Unnammed Waterbody		2	0		0		3					2	5	49
653	Unnammed Waterbody		2	0		0		3					2	5	50
669	Tenmile River (Southington/Cheshire)-01	0	0	0		2		3					0	5	51
704	Unnammed Waterbody		2	0		0		3					2	5	53
724	Unnammed Waterbody		2	0		0		3					2	5	54
725	Unnammed Waterbody		2	0		0		3					2	5	55
752	Tenmile River (Southington/Cheshire)-01	0	0	0		2		3					0	5	56
798	Unnammed Waterbody		2	0		0		3					2	5	57
6	Unnammed Waterbody		2	0		0		2					2	4	58
151	Honeypot Brook		1	0		0		3					1	4	59
213	Unnammed Waterbody		1	0		0		3					1	4	60
259	Unnammed Waterbody		1	0		0		3					1	4	61
370	Unnammed Waterbody		1	0		0		3					1	4	62
416	Unnammed Waterbody		1	0		0		3					1	4	63
452	Unnammed Waterbody		1	0		0		3					1	4	64
479	Unnammed Waterbody		1	0		0		3					1	4	65
544	Unnammed Waterbody		1	0		0		3					1	4	66
549	Unnammed Waterbody		3	0		0		1					3	4	67
627	Unnammed Waterbody		1	0		0		3					1	4	68
713	Unnammed Waterbody		1	0		0		3					1	4	69
736	Unnammed Waterbody		1	0		0		3					1	4	70
770	Unnammed Waterbody		1	0		0		3					1	4	71
846	Unnammed Waterbody		1	0		0		3					1	4	72
PLAN_1E			4										4	4	73
15	Unnammed Waterbody			0		0		3					0	3	74
17	Unnammed Waterbody		0	0		0		3					0	3	75
18	Unnammed Waterbody		0	0		0		3					0	3	76
28	Unnammed Waterbody		0	0		0		3					0	3	78
30	Tenmile River		0	0		0		3					0	3	79
35	Tenmile River		0	0		0		3					0	3	80
37	Unnammed Waterbody		0	0		0		3					0	3	81
38	Unnammed Waterbody		0	0		0		3					0	3	82
43	Unnammed Waterbody		0	0		0		3					0	3	83
44	Unnammed Waterbody		0	0		0		3					0	3	84
45	Unnammed Waterbody			0		0		3					0	3	85
46	Unnammed Waterbody			0		0		3					0	3	86
50	Unnammed Waterbody		0	0		0		3					0	3	87
55	Unnammed Waterbody		0	0		0		3					0	3	88
57	Honeypot Brook		0	0		0		3					0	3	89
58	Honeypot Brook		0	0		0		3					0	3	90
59	Unnammed Waterbody		0	0		0		3					0	3	91
63	Unnammed Waterbody		0	0		0		3					0	3	92
64	Unnammed Waterbody		0	0		0		3					0	3	93
66	Unnammed Waterbody		0	0		0		3					0	3	94
72	Unnammed Waterbody		0	0		0		3					0	3	95
73	Unnammed Waterbody			0		0		3					0	3	96
75	Unnammed Waterbody			0		0		3					0	3	97
78	Unnammed Waterbody			0		0		3					0	3	98
87	Unnammed Waterbody			0		0		3					0	3	99
112	Unnammed Waterbody			0		0		3					0	3	100
116	Unnammed Waterbody			0		0		3					0	3	101
119	Honeypot Brook		0	0		0		3					0	3	102
120	Honeypot Brook		0	0		0		3					0	3	103
123	Unnammed Waterbody			0		0		3					0	3	104
126	Unnammed Waterbody			0		0		3					0	3	105
131	Unnammed Waterbody		0	0		0		3					0	3	106
134	Unnammed Waterbody		0	0		0		3					0	3	107
144	Unnammed Waterbody			0		0		3					0	3	108
147	Honeypot Brook		0	0		0		3					0	3	109
148	Honeypot Brook		0	0		0		3					0	3	110
149	Unnammed Waterbody		1	0		0		2					1	3	111
150	Unnammed Waterbody		0	0		0		3					0	3	112
152	Broad Brook		0	0		0		3					0	3	113
153	Unnammed Waterbody		0	0		0		3					0	3	114
180	Unnammed Waterbody		0	0		0		3					0	3	116
187	Unnammed Waterbody		0	0		0		3					0	3	117
218	Unnammed Waterbody		0	0		0		3					0	3	123
225	Cuff Brook		0	0		0		3					0	3	124
226	Cuff Brook		0	0		0		3					0	3	125
227	Cuff Brook		0	0		0		3					0	3	126
228	Cuff Brook		0	0		0		3					0	3	127
229	Cuff Brook		0	0		0		3					0	3	128
230	Unnammed Waterbody		0	0		0		3					0	3	129

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
232	Unnammed Waterbody			0		0		3					0	3	130
233	Unnammed Waterbody		0	0		0		3					0	3	131
235	Unnammed Waterbody		0	0		0		3					0	3	132
236	Unnammed Waterbody		0	0		0		3					0	3	133
242	Unnammed Waterbody		0	0		0		3					0	3	136
243	Judd Brook		0	0		0		3					0	3	137
255	Unnammed Waterbody		0	0		0		3					0	3	138
256	Unnammed Waterbody			0		0		3					0	3	139
257	Unnammed Waterbody		0	0		0		3					0	3	140
262	Cuff Brook		0	0		0		3					0	3	141
263	Cuff Brook		0	0		0		3					0	3	142
264	Unnammed Waterbody			0		0		3					0	3	143
269	Unnammed Waterbody		0	0		0		3					0	3	144
271	Unnammed Waterbody		0	0		0		3					0	3	145
273	Unnammed Waterbody		0	0		0		3					0	3	147
274	Tenmile River		0	0		0		3					0	3	148
275	Tenmile River		0	0		0		3					0	3	149
277	Unnammed Waterbody		0	0		0		3					0	3	150
278	Unnammed Waterbody		0	0		0		3					0	3	151
281	Unnammed Waterbody		0	0		0		3					0	3	153
283	Unnammed Waterbody		0	0		0		3					0	3	154
285	Unnammed Waterbody			0		0		3					0	3	155
286	Unnammed Waterbody		0	0		0		3					0	3	156
288	Unnammed Waterbody		0	0		0		3					0	3	157
289	Unnammed Waterbody		0	0		0		3					0	3	158
290	Honeypot Brook		0	0		0		3					0	3	159
293	Unnammed Waterbody		0	0		0		3					0	3	160
294	Unnammed Waterbody		0	0		0		3					0	3	161
295	Unnammed Waterbody		0	0		0		3					0	3	162
297	Unnammed Waterbody		0	0		0		3					0	3	163
299	Unnammed Waterbody		0	0		0		3					0	3	164
301	Unnammed Waterbody		0	0		0		3					0	3	165
302	Unnammed Waterbody		0	0		0		3					0	3	166
303	Unnammed Waterbody		0	0		0		3					0	3	167
305	Honeypot Brook		0	0		0		3					0	3	169
306	Honeypot Brook		0	0		0		3					0	3	170
307	Unnammed Waterbody		0	0		0		3					0	3	171
308	Unnammed Waterbody		0	0		0		3					0	3	172
309	Unnammed Waterbody		0	0		0		3					0	3	173
310	Unnammed Waterbody		0	0		0		3					0	3	174
314	Unnammed Waterbody			0		0		3					0	3	175
315	Unnammed Waterbody			0		0		3					0	3	176
317	Unnammed Waterbody		0	0		0		3					0	3	177
318	Unnammed Waterbody		0	0		0		3					0	3	178
321	Unnammed Waterbody		0	0		0		3					0	3	179
323	Unnammed Waterbody		0	0		0		3					0	3	180
330	Unnammed Waterbody		0	0		0		3					0	3	181
331	Unnammed Waterbody		0	0		0		3					0	3	182
332	Unnammed Waterbody		0	0		0		3					0	3	183
333	Unnammed Waterbody		0	0		0		3					0	3	184
337	Unnammed Waterbody		0	0		0		3					0	3	185
338	Unnammed Waterbody		0	0		0		3					0	3	186
347	Unnammed Waterbody		0	0		0		3					0	3	187
350	Unnammed Waterbody		0	0		0		3					0	3	188
351	Unnammed Waterbody		0	0		0		3					0	3	189
352	Roaring Brook		0	0		0		3					0	3	190
353	Roaring Brook		0	0		0		3					0	3	191
355	Unnammed Waterbody		0	0		0		3					0	3	192
356	Unnammed Waterbody			0		0		3					0	3	193
362	Unnammed Waterbody			0		0		3					0	3	197
364	Willow Brook		0	0		0		3					0	3	198
367	Unnammed Waterbody		1	0		0		2					1	3	201
371	Honeypot Brook		0	0		0		3					0	3	202
372	Honeypot Brook			0		0		3					0	3	203
373	Mountain Brook		0	0		0		3					0	3	204
374	Unnammed Waterbody		0	0		0		3					0	3	205
375	Unnammed Waterbody		0	0		0		3					0	3	206
380	Unnammed Waterbody			0		0		3					0	3	207
381	Unnammed Waterbody		0	0		0		3					0	3	208
389	Willow Brook		0	0		0		3					0	3	212
408	Unnammed Waterbody		0	0		0		3					0	3	213
409	Unnammed Waterbody		0	0		0		3					0	3	214
411	Unnammed Waterbody		0	0		0		3					0	3	215
412	Unnammed Waterbody		0	0		0		3					0	3	216
417	Unnammed Waterbody		0	0		0		3					0	3	217
418	Unnammed Waterbody		0	0		0		3					0	3	218
422	Unnammed Waterbody			0		0		3					0	3	219
425	Sanford Brook		0	0		0		3					0	3	222
431	Unnammed Waterbody		0	0		0		3					0	3	224
434	Willow Brook		0	0		0		3					0	3	225
435	Unnammed Waterbody		0	0		0		3					0	3	226
440	Unnammed Waterbody			0		0		3					0	3	227
442	Unnammed Waterbody		0	0		0		3					0	3	228
446	Unnammed Waterbody		0	0		0		3					0	3	230
447	Unnammed Waterbody			0		0		3					0	3	231
448	Unnammed Waterbody			0		0		3					0	3	232
450	Unnammed Waterbody		0	0		0		3					0	3	233
451	Unnammed Waterbody		0	0		0		3					0	3	234
453	Unnammed Waterbody		0	0		0		3					0	3	235
454	Unnammed Waterbody		0	0		0		3					0	3	236
459	Unnammed Waterbody			0		0		3					0	3	237
462	Unnammed Waterbody			0		0		3					0	3	238
463	Unnammed Waterbody		0	0		0		3					0	3	239
466	Unnammed Waterbody			0		0		3					0	3	240
468	Unnammed Waterbody			0		0		3					0	3	241
469	Unnammed Waterbody			0		0		3					0	3	242
472	Unnammed Waterbody		0	0		0		3					0	3	244
473	Unnammed Waterbody		0	0		0		3					0	3	245
477	Unnammed Waterbody		0	0		0		3					0	3	246
480	Unnammed Waterbody		0	0		0		3					0	3	247
481	Unnammed Waterbody		0	0		0		3					0	3	248
485	Unnammed Waterbody			0		0		3					0	3	249
490	Unnammed Waterbody		0	0		0		3					0	3	250
495	Unnammed Waterbody			0		0		3					0	3	252
496	Unnammed Waterbody			0		0		3					0	3	253
497	Unnammed Waterbody		0	0		0		3					0	3	254
498	Unnammed Waterbody		0	0		0		3					0	3	255
500	Unnammed Waterbody		0	0		0		3					0	3	256
501	Unnammed Waterbody		0	0		0		3					0	3	257
502	Unnammed Waterbody		0	0		0		3					0	3	258
503	Unnammed Waterbody		0	0		0		3					0	3	259
505	Unnammed Waterbody		0	0		0		3					0	3	260
511	Unnammed Waterbody		0	0		0		3					0	3	261
512	Unnammed Waterbody		0	0		0		3					0	3	262
515	Unnammed Waterbody		0	0		0		3					0	3	263
516	Unnammed Waterbody		0	0		0		3					0	3	264
518	Unnammed Waterbody		0	0		0		3					0	3	265
519	Unnammed Waterbody		0	0		0		3					0	3	266
520	Unnammed Waterbody		0	0		0		3					0	3	267
524	Unnammed Waterbody		0	0		0		3					0	3	269
526	Unnammed Waterbody		0	0		0		3					0	3	270

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
527	Unnammed Waterbody		0	0		0		3					0	3	271
529	Unnammed Waterbody		0	0		0		3					0	3	272
530	Unnammed Waterbody		0	0		0		3					0	3	273
533	Unnammed Waterbody		0	0		0		3					0	3	274
534	Unnammed Waterbody			0		0		3					0	3	275
535	Unnammed Waterbody		0	0		0		3					0	3	276
538	Unnammed Waterbody		0	0		0		3					0	3	277
539	Unnammed Waterbody		0	0		0		3					0	3	278
547	Unnammed Waterbody		2	0		0		1					2	3	279
560	Unnammed Waterbody		0	0		0		3					0	3	280
562	Broad Brook		0	0		0		3					0	3	281
564	Unnammed Waterbody		0	0		0		3					0	3	282
565	Unnammed Waterbody		0	0		0		3					0	3	283
570	Unnammed Waterbody		0	0		0		3					0	3	284
573	Unnammed Waterbody		0	0		0		3					0	3	285
576	Unnammed Waterbody			0		0		3					0	3	286
577	Unnammed Waterbody		0	0		0		3					0	3	287
578	Unnammed Waterbody		0	0		0		3					0	3	288
579	Unnammed Waterbody		0	0		0		3					0	3	289
580	Unnammed Waterbody		0	0		0		3					0	3	290
581	Unnammed Waterbody		0	0		0		3					0	3	291
582	Unnammed Waterbody		0	0		0		3					0	3	292
583	Willow Brook		0	0		0		3					0	3	293
584	Willow Brook		0	0		0		3					0	3	294
585	Unnammed Waterbody		0	0		0		3					0	3	295
595	Honeypot Brook		0	0		0		3					0	3	296
601	Unnammed Waterbody		0	0		0		3					0	3	297
604	Unnammed Waterbody		0	0		0		3					0	3	298
605	Unnammed Waterbody		0	0		0		3					0	3	299
607	Unnammed Waterbody		0	0		0		3					0	3	300
613	Unnammed Waterbody			0		0		3					0	3	301
619	Unnammed Waterbody			0		0		3					0	3	302
620	Unnammed Waterbody		0	0		0		3					0	3	303
622	Honeypot Brook		0	0		0		3					0	3	304
625	Honeypot Brook		0	0		0		3					0	3	305
628	Unnammed Waterbody			0		0		3					0	3	306
629	Unnammed Waterbody		0	0		0		3					0	3	307
630	Unnammed Waterbody		0	0		0		3					0	3	308
631	Unnammed Waterbody		0	0		0		3					0	3	309
640	Cuff Brook			0		0		3					0	3	310
641	Honeypot Brook		0	0		0		3					0	3	311
642	Honeypot Brook		0	0		0		3					0	3	312
643	Unnammed Waterbody			0		0		3					0	3	313
644	Unnammed Waterbody		0	0		0		3					0	3	314
647	Unnammed Waterbody		0	0		0		3					0	3	315
648	Willow Brook		0	0		0		3					0	3	316
649	Willow Brook		0	0		0		3					0	3	317
650	Unnammed Waterbody		0	0		0		3					0	3	318
651	Unnammed Waterbody		0	0		0		3					0	3	319
654	Unnammed Waterbody			0		0		3					0	3	320
656	Unnammed Waterbody		0	0		0		3					0	3	321
657	Unnammed Waterbody			0		0		3					0	3	322
658	Honeypot Brook		0	0		0		3					0	3	323
660	Unnammed Waterbody			0		0		3					0	3	324
661	Unnammed Waterbody			0		0		3					0	3	325
663	Larsens Pond		0	0		0		3					0	3	326
665	Unnammed Waterbody		0	0		0		3					0	3	327
666	Unnammed Waterbody		0	0		0		3					0	3	328
670	Unnammed Waterbody		0	0		0		3					0	3	330
672	Unnammed Waterbody		0	0		0		3					0	3	331
674	Tenmile River (Southington/Cheshire)-01	0	0	0		2		1					0	3	333
675	Tenmile River (Southington/Cheshire)-01	0	0	0		2		1					0	3	334
676	Unnammed Waterbody		0	0		0		3					0	3	335
688	Unnammed Waterbody		0	0		0		3					0	3	336
689	Unnammed Waterbody		0	0		0		3					0	3	337
690	Unnammed Waterbody		0	0		0		3					0	3	338
691	Unnammed Waterbody			0		0		3					0	3	339
693	Unnammed Waterbody		0	0		0		3					0	3	340
694	Unnammed Waterbody			0		0		3					0	3	341
695	Unnammed Waterbody			0		0		3					0	3	342
701	Unnammed Waterbody		0	0		0		3					0	3	343
705	Unnammed Waterbody			0		0		3					0	3	344
706	Tenmile Brook		0	0		0		3					0	3	345
707	Unnammed Waterbody		0	0		0		3					0	3	346
708	Honeypot Brook		0	0		0		3					0	3	347
710	Unnammed Waterbody		0	0		0		3					0	3	348
714	Unnammed Waterbody		0	0		0		3					0	3	350
717	Unnammed Waterbody		0	0		0		3					0	3	351
720	Unnammed Waterbody		0	0		0		3					0	3	352
721	Unnammed Waterbody		0	0		0		3					0	3	353
722	Unnammed Waterbody		0	0		0		3					0	3	354
723	Unnammed Waterbody			0		0		3					0	3	355
726	Unnammed Waterbody			0		0		3					0	3	356
727	Unnammed Waterbody		0	0		0		3					0	3	357
731	Unnammed Waterbody			0		0		3					0	3	358
732	Unnammed Waterbody		0	0		0		3					0	3	359
734	Unnammed Waterbody		0	0		0		3					0	3	360
737	Unnammed Waterbody		0	0		0		3					0	3	361
738	Unnammed Waterbody		0	0		0		3					0	3	362
742	Unnammed Waterbody		0	0		0		3					0	3	363
745	Unnammed Waterbody		0	0		0		3					0	3	364
748	Unnammed Waterbody		0	0		0		3					0	3	365
749	Unnammed Waterbody			0		0		3					0	3	366
750	Unnammed Waterbody			0		0		3					0	3	367
756	Honeypot Brook		0	0		0		3					0	3	368
757	Unnammed Waterbody		0	0		0		3					0	3	369
759	Unnammed Waterbody		0	0		0		3					0	3	370
762	Unnammed Waterbody		0	0		0		3					0	3	372
765	Unnammed Waterbody		0	0		0		3					0	3	373
766	Unnammed Waterbody		0	0		0		3					0	3	374
768	Unnammed Waterbody		0	0		0		3					0	3	375
769	Judd Brook		0	0		0		3					0	3	376
772	Unnammed Waterbody		0	0		0		3					0	3	377
774	Mountain Brook		0	0		0		3					0	3	378
775	Mountain Brook		0	0		0		3					0	3	379
777	Unnammed Waterbody			0		0		3					0	3	381
780	Unnammed Waterbody		0	0		0		3					0	3	382
782	Unnammed Waterbody			0		0		3					0	3	384
786	Mountain Brook		0	0		0		3					0	3	385
788	Unnammed Waterbody		0	0		0		3					0	3	386
793	Unnammed Waterbody		0	0		0		3					0	3	387
796	Unnammed Waterbody		0	0		0		3					0	3	388
849	Unnammed Waterbody		0	0		0		3					0	3	389
JARV_1			3										3	3	390
1	Unnammed Waterbody		0	0		0		2					0	2	391
2	Unnammed Waterbody			0		0		2					0	2	392
3	Unnammed Waterbody			0		0		2					0	2	393
4	Unnammed Waterbody			0		0		2					0	2	394
5	Unnammed Waterbody		0	0		0		2					0	2	395
21	Unnammed Waterbody			0		0		2					0	2	396
51	Unnammed Waterbody		0	0		0		2					0	2	397

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
52	Unnammed Waterbody		0	0		0		2					0	2	398
92	Unnammed Waterbody		0	0		0		2					0	2	399
95	Unnammed Waterbody		0	0		0		2					0	2	400
98	Unnammed Waterbody		0	0		0		2					0	2	402
107	Unnammed Waterbody		0	0		0		2					0	2	404
109	Unnammed Waterbody		0	0		0		2					0	2	405
110	Unnammed Waterbody		0	0		0		2					0	2	406
142	Unnammed Waterbody			0		0		2					0	2	407
162	Unnammed Waterbody			0		0		2					0	2	408
163	Unnammed Waterbody			0		0		2					0	2	409
164	Unnammed Waterbody		0	0		0		2					0	2	410
166	Unnammed Waterbody		0	0		0		2					0	2	411
171	Unnammed Waterbody		0	0		0		2					0	2	412
174	Unnammed Waterbody		0	0		0		2					0	2	413
175	Unnammed Waterbody		0	0		0		2					0	2	414
178	Unnammed Waterbody		0	0		0		2					0	2	415
179	Unnammed Waterbody		0	0		0		2					0	2	416
178	Unnammed Waterbody		0	0		0		2					0	2	415
179	Unnammed Waterbody		0	0		0		2					0	2	416
199	Unnammed Waterbody		0	0		0		2					0	2	418
200	Unnammed Waterbody		0	0		0		2					0	2	419
202	Unnammed Waterbody			0		0		2					0	2	420
204	Unnammed Waterbody			0		0		2					0	2	421
327	Unnammed Waterbody			0		0		2					0	2	425
341	Broad Brook			0		0		2					0	2	427
368	Unnammed Waterbody		0	0		0		2					0	2	428
390	Unnammed Waterbody		0	0		0		2					0	2	429
391	Unnammed Waterbody		0	0		0		2					0	2	430
392	Unnammed Waterbody			0		0		2					0	2	431
394	Unnammed Waterbody			0		0		2					0	2	432
396	Unnammed Waterbody		0	0		0		2					0	2	433
397	Sanford Brook			0		0		2					0	2	434
398	Unnammed Waterbody			0		0		2					0	2	435
400	Sanford Brook			0		0		2					0	2	436
437	Unnammed Waterbody		0	0		0		2					0	2	438
457	Unnammed Waterbody		1	0		0		1					1	2	440
458	Unnammed Waterbody			0		0		2					0	2	441
460	Unnammed Waterbody			0		0		2					0	2	442
474	Unnammed Waterbody		0	0		0		2					0	2	443
507	Unnammed Waterbody		0	0		0		2					0	2	444
568	Unnammed Waterbody			0		0		2					0	2	445
569	Unnammed Waterbody		0	0		0		2					0	2	446
571	Unnammed Waterbody		0	0		0		2					0	2	447
603	Unnammed Waterbody		0	0		0		2					0	2	448
617	Cuff Brook		0	0		0		2					0	2	449
680	Honeypot Brook		0	0		0		2					0	2	450
709	Unnammed Waterbody		1	0		0		1					1	2	451
79	Honeypot Brook		0	0		0		1					0	1	453
146	Unnammed Waterbody		0	0		0		1					0	1	454
212	Unnammed Waterbody			0		0		1					0	1	455
324	Unnammed Waterbody			0		0		1					0	1	456
455	Unnammed Waterbody		0	0		0		1					0	1	458
486	Unnammed Waterbody		0	0		0		1					0	1	459
487	Unnammed Waterbody		0	0		0		1					0	1	460
548	Unnammed Waterbody		0	0		0		1					0	1	461
553	Unnammed Waterbody		0	0		0		1					0	1	462
556	Unnammed Waterbody		0	0		0		1					0	1	463
743	Unnammed Waterbody		0	0		0		1					0	1	464
754	Unnammed Waterbody		0	0		0		1					0	1	465
771	Unnammed Waterbody			0		0		1					0	1	466
783	Unnammed Waterbody		0	0		0		1					0	1	467
PLAN_1W			1										1	1	468
WILL_1			1										1	1	469
761	Unnammed Waterbody			0		0							0	0	470
764	Unnammed Waterbody		0	0		0		2					0	2	471
BARY_1			0										0	0	473
BARY_2			0										0	0	474
BROA_1			0										0	0	475
BUCK_1			0										0	0	476
CHIP_1			0										0	0	477
CREA_1			0										0	0	478
DCB_BARY_1			0										0	0	479
DCB_BARY_2			0										0	0	480
DCB_BROA_1			0										0	0	481
DCB_BROA_2			0										0	0	482
DCB_BROA_3			0										0	0	483
DCB_BROA_4			0										0	0	484
DCB_BROA_5			0										0	0	485
DCB_BROA_6			0										0	0	486
DCB_BUCK_1			0										0	0	487
DCB_EAJO_1			0										0	0	488
DCB_EAJO_2			0										0	0	489
DCB_FLAG_2			0										0	0	490
DCB_FLAG_3			0										0	0	491
DCB_FLAG_4			0										0	0	492
DCB_FLAG_5			0										0	0	493
DCB_HARV_1			0										0	0	494
DCB_HARV_2			0										0	0	495
DCB_HAZE_1			0										0	0	496
DCB_HAZE_2			0										0	0	497
DCB_IVES_1			0										0	0	498
DCB_IVES_2			0										0	0	499
DCB_LANC_1			0										0	0	500
DCB_LANC_2			0										0	0	501
DCB_MARI_1			0										0	0	502
DCB_MARI_2			0										0	0	503
DCB_MOUN_1			0										0	0	504
DCB_MOUN_2			0										0	0	505
DCB_OLDF_1			0										0	0	506
DCB_OLDF_2			0										0	0	507
DCB_OLDF_3			0										0	0	508
DCB_OLDF_4			0										0	0	509
DCB_PECK_1			0										0	0	510
DCB_PECK_2			0										0	0	511
DCB_RESE_1			0										0	0	512
DCB_RESE_2			0										0	0	513
DCB_RESE_3			0										0	0	514
DCB_RESE_4			0										0	0	515
DCB_RESE_5			0										0	0	516
DCB_RESE_6			0										0	0	517
DCB_SCEN_1			0										0	0	518
DCB_SCEN_2			0										0	0	519
DCB_SPLI_1			0										0	0	520
DCB_WALL_1			0										0	0	521
DCB_WALL_2			0										0	0	522
DCB_WILL_1			0										0	0	523
DCB_WILL_2			0										0	0	524
JARV_2			0										0	0	525
LANC_1			0										0	0	526
LANC_2			0										0	0	527
MARI_1			0										0	0	528
MOUN_1			0										0	0	529
MOUN_2			0										0	0	530

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
OLDF_1			0										0	0	531
OLDF_2			0										0	0	532
PARK_1			0										0	0	533
PECK_1			0										0	0	534
PECK_2			0										0	0	535
PECK_3			0										0	0	536
RESE_1			0										0	0	537
SPLI_1			0										0	0	538
SUMM_1			0										0	0	539
WALL_1			0										0	0	540
WJOH_2			0										0	0	541
ALEX_1			0	0		0		3			3				
ALEX_2			0	0		0		3			3				
ALLE_1															
BLAC_1															
BRIG_1															
CARR_1															
CARR_2															
CARR_3															
CARR_4															
CARR_5															
COUN_1															
DCB_ABRA_1															
DCB_ABRA_2															
DCB_ALEX_1			0	0		0		3			3				
DCB_ALEX_2			0	0		0		3			3				
DCB_ALEX_3			0	0		0		3			3				
DCB_ALEX_4			0	0		0		3			3				
DCB_BRIG_1															
DCB_BRIG_2															
DCB_BRIG_3															
DCB_CARR_1															
DCB_CARR_2															
DCB_COUN_1															
DCB_DUND_1															
DCB_DUND_2															
DCB_HARR_1															
DCB_HARR_10															
DCB_HARR_11															
DCB_HARR_2															
DCB_HARR_3															
DCB_HARR_4															
DCB_HARR_5															
DCB_HARR_6															
DCB_HARR_7															
DCB_HARR_8															
DCB_HARR_9															
DCB_IVES_3															
DCB_IVES_4															
DCB_MARI_3															
DCB_MARI_4															
DCB_NPON_1															
DCB_NPON_2															
DCB_NPON_3															
DCB_OAK_1															
DCB_OAK_2															
DCB_OLDF_5															
DCB_OLDF_6															
DCB_OLDF_7															
DCB_OLDF_8															
DCB_OLDL_1															
DCB_OLDL_2															
DCB_SBRO_1															
DCB_SBRO_2															
DCB_SBRO_3															
DCB_SMAI_1															
DCB_SMAI_2															
DCB_SMAI_3															
DCB_SMAI_4															
DCB_SMAI_5															
DCB_TALM_1															
DCB_TALM_2															
DCB_TROU_1															
DCB_TROU_2															
DCB_WILL_3															
DCB_WOOD_1															
DCB_WOOD_2															
DCB_WOODH_1															
DUND_1															
FAR_1															
FAR_2															
FAR_3															
FAR_4															
HARR_1															
HARR_2															
HARR_3															
HARR_4															
HARR_5															
HARR_6															
HARR_7															
HARR_8															
HIDD_1															
INDU_1															
INDU_2															
IVES_1															
IVES_3															
MARI_2															
MARI_3															
NPON_1															
OAK_1															
OLDF_3															
OLDF_4															
OLDL_1															
RESE_2															
ROCK_1															
SBRO_1															
SBRO_2															
SBRO_3															
SPER_1															
SPER_2															
TALM_1															
TALM_2															
WATE_1															
WATE_2															
WILL_2															
WJOH_1															
WOOD_1															
WOOD_2															
WOODH_1															
WOODH_2															
773															

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
778															
779															
789															
791															
792															
819															
828															
587															
588															
589															
590															
594															
596															
597															
598															
599															
618															
634															
635															
636															
637															
638															
652															
678															
703															
739															
763															
484															
488															
489															
491															
493															
494															
499															
504															
510															
513															
514															
517															
522															
523															
528															
531															
536															
537															
540															
541															
545															
546															
550															
551															
552															
554															
555															
561															
563															
795															
IVES_2															
16															
19															
20															
25		0		0											
26															
27															
32															
34															
53															
56															
60															
61															
65															
81															
82															
83															
84															
88															
93															
94															
96															
113															
121															
122															
124															
125															
127															
128															
129															
130															
140															
141															
154															
155															
159															
160															
161															
165															
169															
170															
176															
177															
197															
198															
201															
203															
210															
224															
231															
258															
268															
280															
312															
313															
354															
359															
376															
377															
382															
383															
393															
395															
399															

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
402															
403															
404															
405															
406															
407															
410															
413															
414															
415															
419															
420															
421															
432															
433															
456															
461															
464															
465															
467															
475															
476															
478															
572															
574															
575															
586															
591															
592															
593															
797															
800															
818															
600															
606															
608															
645															
659															
668															
679															
692															
696															
718															
719															
741															
747															
348															
349															
357															
363															
426															
438															
844															
845															
839															
47		0		0		0									
822															
823															
824															
825															
826															
827															
829															
830															
831															
832															
246															
247															
248															
249															
250															
251															
252															
253															
254															
260															
261															
787															
850															
610															
611															
612															
616															
767			0	0		0		3							
803			0	0		0		2							
817			0	0		0		2							
820			0		0		0		3			0			
843			0		0		0		1			0			
633		0		0		0		3			0				
664		0		0		0		3			0				
671		0		0		0		3			0				
681		0		0		0		3			0				
682		0		0		0		3			0				
684		0		0		0		3			0				
687		0		0		0		2			0				
698		0		0		0		3			0				
699		0		0		0		3			0				
700		0		0		0		3			0				
716		0		0		0		3			0				
740				0		0		3			0				
36		0		0		0		3			0				
42		0		0		0		2			0				
48		0		0		0		2			0				
54		0		0		0		2			0				
80		0		0		0		2			0				
143		0		0		0		1			0				
270		0		0		0		2			0				
282		0		0		0		3			0				
296		0		0		0		3			0				
311		0		0		0		3			0				
316		0		0		0		3			0				
319		0		0		0		3			0				
320		0		0		0		3			0				
334		0		0		0		3			0				
335		0		0		0		3			0				
339		0		0		0		2			0				
340		0		0		0		2			0				
342		0		0		0		3			0				
343		0		0		0		3			0				
344		0		0		0		3			0				
345		0		0		0		3			0				

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	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	Sample Score	Overall Score	Priority Ranking
Information Source		Catchment inspections and sample results	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 Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		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	TBD			
346		0		0		0		3			0				
385		0		0		0		3			0				
449		0		0		0		2			0				
813															

Scoring Criteria:

[1] Previouis wet weather screening results indicate impacts to impaired waters including:
Total Nitrogen >2.5 mg/L, Total Phosphorous >0.3 mg/L,
E. Coli >235col/100 ml for swimming areas and >410 col/100 ml for all others or,
Total Coliform >500 col/100 ml, or Fecal coliform >31 col/100ml for Class SA and >260 Col/100ml for Class SB, or
Enterococci >104 col/100ml for swimming areas and >500 col/100ml for all others.

[1a] Previous dry weather 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.)
To be completed once the piping of the area is completed

[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.