

TOWN OF PUTNAM 200 SCHOOL STREET PUTNAM, CONNECTICUT 06260

Town of Putnam 2021 Annual Report Municipal Separate Storm Sewer System (MS4) General Permit

Existing MS4 Permittee Permit Number GSM 000025

Report Period: January 1, 2021 – December 31, 2021

Submittal Date to DEEP: March 31, 2022

DRAFT

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MS4 General Permit Town of Putnam 2021 Annual Report Existing MS4 Permittee Permit Number GSM 000025 January 1, 2021 – December 31, 2021

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This report documents the Town of Putnam efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2021 to December 31, 2021.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

ВМР	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-1 Implement	Printed materials	River Smart	Maintain 20	Info	Make Fact	Land Use	
education and	Town Municipal	Stormwater.	available	700 people	to the general	Agent	
outreach	Complex and			per week	public		
	Library						
1-2 Address education/ outreach for pollutants of concern	Include specifics about phosphorus	CT DOT, Clean Water Campaign UCONN CLEAR NEMO	Maintain 20 copies available	Info available to 700 people per week	Incorporate 3 pollution reduction practices in documentation	Land Use Agent	
1-3 Public	Educational	UCONN	Town	12± visits to	Educate Public	Land Use	https://www.putnamct.us/departments/planning-
Outreach	material added to	Eastern CT	Website	Plannng –	on common	Agent	and-land-use/stormwater
efforts	Town Website	Stromwater		Land Use	stormwater		
		Collaborative		page	topics		Visits Planning - Land Use per month

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

-- Publish advertisement on Stormwater quality as a monthly topic in a local newspaper, which could increase awareness of BMP in future years.

--Plans to coordinate with the school's science educators to intergrate stormwater education as a special component of curriculum. --Stormwater educational material can be found on the Town Website will be update website regularly.

1.3 Details of activities implemented to educate the community on stormwater

, Impact of pollut unity to stormwater people	tants Phosphorus, Bacteria, Nitrogen, Lawn care	Land Use Agent
,	produces, Construction Run Off, Mercury	
cipal Treatment of ng stormwater coll ary, from imperviou ns surfaces ached)	Sediment, other pollutants llected us	Land Use Agent
TownAll topics foundssions,the UCONN CLE	d at Sediment, other pollutants	Land Use Agent
SS	ions, the UCONN CL website	ions, the UCONN CLEAR website

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

2.1 BMP Summary

ВМР	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Location Posted	Additional details
2-1 Continue availability of the Final Stormwater Management Plan to the Public.	Ongoing	Place an advertisement in local paper	Compliance with Section 4(d)(2) and Section 6(a)(2)(A) of the General Permit	Land Use Agent	Jan. 2022	Town Website/ https://resource s.finalsite.net/im ages/v16437246 58/putnamctus/ cvte1vltyssjcnuid 9za/Stormwater Managemenet Plan.pdf	
2-2 Comply with public notice requirements for Annual Reports	Complete	This Annual Report was publicly noticed and posted to the website as per current DEEP requirements.	Compliance with Section 4(d)(2) and Section 6(a)(2)(A) of the General Permit	Land Use Agent	Feb, 15, 2022	Town Website	

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

Consider the establishment of a Stromwater Committee,

Public forum & d, iscussion with Planning and Zonning Commission on the financing of stormwater requirements.

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

3.1 BMP Summary

ВМР	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
3-1 Develop written IDDE program (Due 7/1/19)	Complete	Final Report prepared dated June 29, 2018	Develop written plan of IDDE program	Town Administrator / Town Engineer	June 29, 2018	Note our Stormwater Management Plan BMP "Training" is tracked under this BMP. IDDE program includes training.
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	Complete	None, completed prior to reporting period Contracted CDM Smith to review	Ordinance effective date	Town Administrator / Town Engineer	November 20, 2013	Consultant draft review includes recommendation for timeline for illicit discharge elimination
3-3 Implement citizen reporting program (Ongoing)	Complete	Catchment Plans finalized	Develop and update list and maps	Town Administrator / Town Engineer	March 2018	
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	Ongoing	Contact information updated for Highway Superintendent	Maintain website	Highway Superintendent / Town Engineer	Updated July 2018	
3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	Ongoing	Updated contact information	Tracking System finalized	Town Administrator / Town Engineer	Completed 2017, future review and updating planned	
3-6 Address IDDE in areas with pollutants of concern	Ongoing	Stormwater Sampling and the identification of IDDE	Identification of illicit discharges	Land Use Agent	Ongoing	CDM Smith contracted for Stormwater sampling. Working with WPCA on CCTV survey of IDDE

3-7 IDDE Program	Complete	Website posting	Public	Land Use Agent	Dec. 2021	https://resources.finalsite.net/images
posted on Town			awareness			/v1643724659/putnamctus/maxee
Website						Zyadprvlgawlyhe/IDDEProgram
						<u>Master2018-5-29.pdf</u>

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

Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process Plan for continued and/or additional detection program work CDM Smith contracted to continue stormwater sampling and mapping Plan to work with the Northeast District Department of Health to implement reporting standards of septic failures to the municipalities.

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

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
180 Recreation Park Rd	3/11/2021 70 min.	No	0-50 gal	Blockage - other	Cleared	No
68 Florence St	8/12/2021 62 min.	No	1-50 gal	Blockage - Grease	Cleared	No
37 Flagg St	10/31/2021 60 min.	No	1-50 gal	Blockage – Roots	Cleared	No
126 Quinebaug Ave	5/26/2020 40 min.	No	501-1000 gal	Blockage – Grease	Cleared	No
70 Livery St	10/23/2020	MS4	1-50 gal	Blockage – Grease	Cleared	No
209 Recreation Park Rd	10/24/2019 90 min.	No	51-500 gal	Blockage – Roots	Cleared	No
Int. King & Chapman St	10/24/2019 60 min.	No	51-500 gal	Blockage – Grease	Cleared	No
147 Kennedy Dr	10/24/2019	No	1-50 gal	Blockage – Grease	Cleared	No

	75 min.							
5-23 Grove St	6/29/2018 8:30Am 7/172021	Catch Basin	1-50 gal	Workers found 6" C discharging into a C Owner notified	lay pipe atch Basin.	Die test conducted. No completion doc. foun Follow up needed	d	No
202 Pomfret St	10/24/2018 83 min.	No	1-50 gal	Blockage – other		Cleared		No
189 Walnut St	2/7/17 60m No		0-50 gals	Roots	Cle	ared - Repaired	No	>
Pomfret/ Sabin St	7/8/17 No 30 min.		0-50 gals	Blockage - other	Cle	ared	No	>
93 Sabin Street	11/23/17 No 40 min.		0-50 gals	Roots	Cle	ared - Repaired	No)
71 Laurel St	12/22/17 No 45 min.		1-50 gals	Blockage	Cle	ared	No)

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

Method used to track illicit discharge reports	Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known	Dept. / Person responsible
None identified this period (most higher density areas in Town are served by municipal sewers).		The NDDH does not report to the Town on septic failures. NDDH does not keep septic failure records, only application for constructions & repairs.		

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

The tracking of IDDE is done using the Excel document Entitled Catchments and Outfalls Table (attached below) and corresponding e-files by street address.

Initial formatting and use ongoing.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	171
Estimated or actual number of interconnections	33
Outfall mapping complete	100%
Interconnection mapping complete	100%
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	72
Catchment investigations complete	20
Estimated percentage of MS4 catchment area investigated	0.1%

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 it is given (minimum once per year).

- As the IDDE tasks are being completed by existing tasks, training includes instructing personnel to observe infrastructure during other maintenance efforts.

- Staff training is done once per year

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

4.1 BMP Summary

ВМР	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20)	Ongoing	Review existing	Log of retention/detention and stormwater basins	Town Planner	July 1, 2019	During CY2020, the Town hired a consultant to review local regulations – in CY2021 memo prepared and initial steps expected in CY2021.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	Complete	Coordination and updating to reflect new personnel	Department meetings	Town Planner	July 1, 2017	
4-3 Review site plans for stormwater quality concerns (Ongoing)	Complete	Review subdivision plans as part of Planning Applications; review Building Permits as part of Building Department. Conduct site visits on active construction.	Review of site plans and completed inspections	Town Planner	July 1, 2017 / ongoing to maintain	In upcoming years, coordinate between Town Departments to consider site plan reviews as early review stage, during developer's planning and design stage, prior to building permit application.

4-4 Conduct site inspections (Ongoing)	Ongoing					
4-5 Implement procedure to allow public comment on site development (Ongoing)	Complete	The Planning Commission holds public hearings on every subdivision application.	Procedure in place	Town Planner Building Department	July 1, 2017	As applicable revisions to other types of site development outside of Planning Commission reviews.
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	Complete	As part of subdivision or site plan review; provide comments on other permitting applicability (DEEP)	Procedure in place	Town Planner	July 1, 2017	As applicable revisions to other types of site development outside of Planning Commission reviews.

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

- Continue site visits related to private development and gravel excavation on various parcels within Town. Significant ongoing or upcoming planned projects include: (1) Town of Putnam project on Sabin Street (~20 acres disturbance); (2) Strategic Realty gravel excavation and subdivision on Town Farm Road / Technology Park Drive (~65 acre disturbance).

- Establish a Stormwater Site Plan Review process in conjunction with Town Departments and Commissions.

- Develop a Stormwater compliance Check list for the Site Plan Review process

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

5.1 BMP Summary

вмр	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22)	In progress	Review existing regulations related to LID (including Quinebaug Technology Park Zoning section)	Contracted CDM Smith to confirm to review Town Code	Town Administrator / coordinate with Zoning	July 1, 2021/ In progress Start 11/2021	CDM Smith completed review. Making corrections – additions to Town regulations

5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Ongoing	Review site plans submitted to Building Department	Number of site plans reviewed for stormwater handling	Town Enginer / Land Use Agent, coordinate with Zoning	July 1, 2019 / ongoing	Weekly site inspections.
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	In progress – On going	Finalized list of Retention and detention ponds/basins Need to add info to Town GIS	Ability to record site inspections	Land Use Agent	Completed Nov. 2021	Updates to be added as Stormwater Site Plan review dictates
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	Ongoing	No formal Maintenance Plan developed. Maintenance conducted as annual inspections deam necessary.	Basins being maintained	Land Use Agent	Inspection began Nov. 2021	We currently have 11 Basins in Town
5-5 DCIA mapping (Due 7/1/20)	In progress	Gather background information and previous related efforts.	DCIA calculations complete	Town Administrator	July 1, 2020	Area calculations have been completed for catchments. Estimating impervious cover and connectivity level are not completed.
5-6 Address post- construction issues in areas with pollutants of concern	No issues evident to date	None Weekly Inspection of active construction sites	Site monitoring	Land Use Agent	On going	Coordinates with next Section 6, including BMP 6- 5.

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

5-1 Continue review of legal authority and other updates to current regulations to meet LID and runoff reductions practicies as required by this permit.

5-2 Continue enforcement of LID / runoff reductions and water quality treatment on all active sites.

5-3 Continue with field inspections and maintenance of all municipality owned retention and detention basins.

5-4 Create a formal long term maintenance plan for stormwater basins.

5-5 Continue confirmation of interconnections

5.3 Post-Construction Stormwater Management reporting metrics

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

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	Approximated 1,700 acres (to be confirmed)
DCIA disconnected (redevelopment plus retrofits)	1.1 acres this year / 1.9 acres total
Retrofit projects completed	0.0 acres
DCIA disconnected	0.14%
Estimated cost of retrofits	Nothing this year
Detention or retention ponds identified	11 total to date

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

- Expect to confirm use of Option 1 of Appendix 3 "Impervious Cover in CT Municipalities", including within the document *Connecticut* Watershed Response Plan for Impervious Cover

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

6.1 BMP Summary

вмр	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
6-1 Develop/implement formal employee training program (Ongoing)	Complete / ongoing	Annual training for Highway/DPW personnel	Training dates held	Highway Superintendent	July 1, 2017	
6-2 Implement MS4 property and operations maintenance (Ongoing)	Ongoing	Discussions between Town Departments	Number of management areas addressed	Town Administrator, Recreation/Parks, Highway Superintendent	Expect ongoing effort	Recreation Department employee personnel changes and startup training for field maintenance.
6-3 Implement coordination with interconnected MS4s	Not started			Land Use Agent		The majority of interconnections are to CT-DOT owned roads
6-4 Develop/implement program to control other sources of pollutants to the MS4	Not started			Land Use Agent		
6-5 Evaluate additional measures for discharges to impaired waters*	Not started On going	No formal evaluation started As restoration for a wetlands violation a local Dunkin Donuts was required to retofit the existing Catch Basins with Flogard catch basin insert filters	Additional measures considered D&D water quality improvements	Land Use Agent Highway Superintendent	Not specified at this time	This BMP will coordinate with the prioritized dry and wet weather sampling.
6-6 Track projects that disconnect DCIA (Ongoing)	On going	We currently have no DCIA disconnect project underway	Ready to tract	Land Use Agent	Not specified at this time	Ready for DCIA Projects

6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Not started	DCIA planning and catch basin removal	Amount of DCIA disconnected	Town Administrator, Highway Superintendent, Town Engineer	July 1, 2021	Expect to reduce pavement in some Town roads during spring paving season. As part of bridge improvements projects, adjacent catch basins were removed and stormwater measures included sheet flow over grasses areas and swales.
6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	Not started					Retrofit projects are currently on a as needed/possible to be completed status
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Ongoing	See 6-5	Improved water quality	Land Use Agent	Efforts continue	
6-10 Develop/implement street sweeping program (Ongoing)	Complete / ongoing	Cleaned all catch basins, street sweeping, snow treatment practices	1,036 basins cleaned, miles of curbs swept, amount of de-icing	Town Administrator, Highway Superintendent, Town Engineer	Expect ongoing effort	
6-11 Develop/implement catch basin cleaning program (Ongoing)	Complete / ongoing	Cleaned all catch basins, street sweeping, snow treatment practices	1,036 basins cleaned, miles of curbs swept, amount of de-icing	Town Administrator, Highway Superintendent, Town Engineer	Expect ongoing effort	
6-12 Develop/implement snow management practices (Due 7/1/18)	Complete / ongoing	Cleaned all catch basins, street sweeping, snow treatment practices	1,036 basins cleaned, miles of curbs swept, amount of de-icing	Town Administrator, Highway Superintendent, Town Engineer	Expect ongoing effort	The town is using wood mulch to mix with road salt

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

- annual training for all highway department employees

- continued street sweeping, catch basin cleaning and appropriate snow management practices

- for catch basin cleaning, use vacuum trucks for sediment removal in our Special Services District (which is the higher DCIA)

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics			
Employee training provided for key staff	Yes, July 2020		
Street sweeping			
Curb miles swept	130 miles		
Volume (or mass) of material collected	Est. 50 tons		
Catch basin cleaning		_	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	744	6.4	Catch basin cleanin
Total catch basins town- (or institution-) wide	1036		
Catch basins inspected	1036		
Catch basins cleaned	1036		
Volume (or mass) of material removed from all catch basins	Est. 150 tons		
Volume removed from catch basins to impaired waters (if known)	unknown		
Snow management			
Type(s) of deicing material used	salt		
Total amount of each deicing material applied	1,600 tons		
Type(s) of deicing equipment used	Snow plows		
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	130 miles		
Snow disposal location	Localized to area plowed		
Staff training provided on application methods & equipment	Yes / November 2021)		
Municipal turf management program actions (for permittee properties in basins with N/P impairments)			
Reduction in application of fertilizers (since start of permit)	0 lbs or %		
Reduction in turf area (since start of permit)	0 acres		
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	0.5 Acres		
Cost of mitigation actions/retrofits	\$0		

ng program

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

No modifications. Catch basins throughout the town are cleaned at least annually.

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.

Expect to base retrofit program on the downtown area of Putnam, which has significant impervious cover that discharges to the Quinebaug River via catch basin and piping stormwater collection system. The Quinebaug River is an impaired water quality river, and DCIA to be disconnected will be calculated in future years as projects are realized.

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

Encourage development and maintenance projects to consider pervious surfaces. Coordinating with the site plan review efforts by land use commissions, consider regulations for review of stormwater directed connected impervious areas.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

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

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: <u>http://s.uconn.edu/ctms4map</u>.

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.

Per previous reporting period, records show that six outfalls were sampled during wet weather in 2012, and twenty outfalls were sampled and/or screened during dry weather in 2019.

In 2020, the Town contracted with CDM Smith (CDM) to conduct permittee staff training for dry weather outfall and interconnection screening and sampling for dry weather flow based on the outfall inventory and the Catchment Assessment and Priority Ranking Matrix. According to the Matrix, Section 14, 15,41, 42, 48, and Section 55 on the Index Map Putnam MS4 Catchment Plan contain the highest ranked priority areas. The receiving water for 8 outfalls is the Quinebaug River, 7 outfalls is the Little River, 4 outfalls is the Wheaton Brook all of which are designated as an impaired water body. CDM and permittee staff screened outfalls in accordance with the procedures outlined in Putnam's IDDE Program. A sample was collected and analyzed from one outfall observed to have dry weather flow. There was no visual or olfactory evidence of an illicit discharge observed at any of the outfalls and analysis did not indicate that the catchments are considered highly likely to contain illicit discharges from sanitary sources.

In 2021, the Town contracted with CDM Smith to continue dry weather stormwater sampling. The receiving water for 22 outfalls is the Quinebaug River, 4 outfalls is Weaton Brook, 5 outfalls is Little River, 15 Outfalls is Perry Brook, 6 outfalls is Little Dam Tavern Brook. CDM and permittee staff screened outfalls in accordance with the procedures outlined in Putnam's IDDE Program. A sample was collected and analyzed from one outfall observed to have dry weather flow. A sample was collected and analyzed from 7 outfalls observed to have dry weather flow 6 of which are likely from sanitary sources, all require further investigation. 2 other outfalls (42-9,42-10) had flow but were out of reach and need further investigation, up stream structures were sampled.

No changes to the Stormwater Management Plan based on results to date.

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

2.1 Screening data

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

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

Outfall ID	Latitude / Longitude	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required? *
See Attachment: Outfalls and Catchments Table						

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

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

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

Outfall ID	Status of drainage area investigation	Control measure to address impairment
1-01	Waiting for follow up	
1-02	Waiting for follow up	
3-02	Waiting for follow up	
3-04	Waiting for follow up	
3-07	Waiting for follow up	
15-09	Waiting for follow up	
42-9	Waiting for follow up	
42-10	Waiting for follow up	
42-13	Waiting for follow up	
42-13A	Waiting for follow up	
55-06	Waiting for follow up	
55-10	Waiting for follow up	

Provide the following information for outfalls exceeding the pollutant threshold.

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

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

Outfall	Latitude / Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
[Future results will					
determine					
prioritizationj					

Part III: Additional IDDE Program Data

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

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

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
See attachment: Catchment Assessment & Priority Ranking Matrix		

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

2.1 Dry weather screening and sampling data from outfalls and interconnections

For details on this requirement, visit <u>https://nemo.uconn.edu/ms4/tasks/monitoring.htm</u>. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies. You may also attach an excel spreadsheet with the same data rather than copying it to this table. If you do attach a spreadsheet, please write "See Attachment" below.

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
See Attachment Below: Outfalls and Catchments Table											

2.2 Wet weather sample and inspection data

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

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

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern
See Attachment: Outfalls and Catchments Table										

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

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

3.1 System Vulnerability Factor Summary

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

Outfall ID	Receiving Water	System Vulnerability Factors
To Be Determined		

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.

- 2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
- 3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
- 4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
- 5. Common trench construction serving both storm and sanitary sewer alignments.
- 6. Crossings of storm and sanitary sewer alignments.
- 7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
- 8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
- 9. Areas formerly served by combined sewer systems.
- 10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
- 11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather that poor owner maintenance).
- 12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather that poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

You may also attach an excel spreadsheet with the same data rather than copying it to this table. If you do attach a spreadsheet, please write "See Attachment" below.

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
See Attachment Outfalls and Catchments Table						

3.3 Wet weather investigation outfall sampling data

You may also attach an excel spreadsheet with the same data rather than copying it to this table. If you do attach a spreadsheet, please write "See Attachment" below.

Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants
2020-None identified/ not yet applicable					

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
2020-None identified/ not yet applicable							

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: Norman Seney, Mayor	Print name: Bruce Fitzback, Land Use Agent
Signature / Date:	Signature / Date:
Email:	Email:

Outfalls and Catchments Table 2/15/2022 Table 1 of 3

Outfalls

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
1-01	1P	Woodstock Avenue			3708	Little River	В	I, U	2.49					Low	1
1-02	1P	Woodstock Avenue			3708	Little River	В	I, U	14.98					Low	1
1-03	1P	Woodstock Ave #1			3700	Little River	В	I, U	0.85					Low	1
2-01	1P	Woodstock Avenue			3708	Little River	В	I, U	2.24					Low	1
2-02	1P	Labossiere Street			3708	Little River	В	I, U	1.7					Low	1
2-03	1P	Latici Street			3708	Wheaton Brook	A	I, U, IC	2.14					Low	1
2-04	1P	Viens Street			3708	Wheaton Brook	A	I, U, IC	2.99					Low	1
2-05	1P	Meyers Street			3708	Wheaton Brook	A	I, U, IC	0.19					Low	1
2-06	1P	Meyers Street			3708	Wheaton Brook	A	I, U, IC	2.74					Low	1
3-01	1P	Bibeault Street			3700	Quinebaug River	В	I, U	2.77					Low	1
3-02	1P	David Circle			3700	Quinebaug River	В	I, U	8.68					Low	1
3-03	1P	David Circle			3700	Quinebaug River	В	I, U	6.24					Low	1
3-04	1P	David Circle			3700	Quinebaug River	В	I, U	4.63					Low	1
3-05	1P	David Circle			3700	Quinebaug River	В	I, U	7.29					Low	1
3-06	1P	Riverside Street			3700	Quinebaug River	В	I, U	1.16					Low	1
3-07	1P	David Circle			3700	Quinebaug River	В	I, U	4.55					Low	1
3-08	1P	Church Street			3700	Quinebaug River	В	I, U	check					Low	2
3-09	1P	Auburn Street			3700	Quinebaug River	В	I, U	0.72					Low	1
3-10	1P	Lafayette Street			3700	Quinebaug River	В	I, U	0.83					Low	2
3-11	1P	Dudley Street			3700	Quinebaug River	В	I, U	0.536					Low	2
3-12	1P	Church Street			3700	Quinebaug River	В	I, U	3.82					Low	1
6-01	1P	Sayles Avenue			3700	Little Dam Tavern Brook	А	U, IC	0.54					Low	1
6-02	1P	Sayles Avenue			3700	Little Dam Tavern Brook	A	IC	0.55					Low	1
100-01	1P	Park Road			3700	Quinebaug River	В	I, U, IC	5.12					Low	0
100-02	1P	Park Road			3700	Quinebaug River	В	I, U, IC	11.79					Low	0
100-03	1P	Park Road			3700	Quinebaug River	В	I, U, IC	4.95					Low	0
100-04	1P	Park Road			3700	Quinebaug River	В	I, U, IC	50.11					Low	0
101-01	1P	Ridge Road			3700	Quinebaug River	В	I, IC	11.44					Low	0
107-01	1P	Industrial Park Road			3700	Quinebaug River	В		8.19					Low	0

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
14-01	1P	Woodstock Ave #1			3708	Little River	A	I, U	0.73					Low	1
15-01	1P	Providence Street			3708	Wheaton Brook	A	I, U, IC	43.01					High	1
15-04	1P	Woodstock Avenue			3708	Wheaton Brook	A	I, U, IC	12.21					High	2
15-05	1P	Woodstock Avenue			3708	Wheaton Brook	A	I, U, IC	check					High	2
15-06	1P	Woodstock Avenue			3708	Wheaton Brook	А	I, U, IC	check					High	2
15-08	1P	Wicker Street			3708	Wheaton Brook	A	I, U, IC	0.20					Low	2
15-09	1P	Bonosconi Drive			3708	Wheaton Brook	A	I, U, IC	4.64					Low	2
15-10	1P	Hurlbut Street			3708	Wheaton Brook	А	I, U, IC	2.27					Low	2
15-11	1P	St. Mary Cemetery			3708	Wheaton Brook	A	I, U, IC	6.45					Low	2
16-03	1P	Providence Street			3700	Quinebaug River	В	I, U, IC	5.16					High	1
16-04	1P	Toutant hydro			3700	Quinebaug River	В	I, U, IC	29.36					High	2
16-05	1P	Powhatten Street			3700	Quinebaug River	В	I, U, IC	1.51					Low	1
16-06	1P	Riverside Street			3700	Quinebaug River	В	I, U	1.53					Low	1
16-07	1P	Addison Street Ext.			3700	Quinebaug River	В	I, U	0.88					Low	1
16-08	1P	Addison Street Ext.			3700	Quinebaug River	В	I, U	1.79					Low	1
17-02	1P	School Street			3700	Little Dam Tavern Brook	А	U, IC	96.19					Low	0
17-08	1P	Thompson Avenue			3700	Little Dam Tavern Brook	А	U, IC	126.41					Low	2
17-09	1P	Thompson Avenue			3700	Little Dam Tavern Brook	А	U, IC	0.26					Low	1
17-12	1P	Bates Avenue			3700	Little Dam Tavern Brook	A	U, IC	8.55					Low	1
17-13	1P	Groveland Avenue			3700	Quinebaug River	В	I, U, IC	4.15					Low	2
18-07	1P	Pearl Avenue			3700	Little Dam Tavern Brook	A	U, IC	5.14					Low	1
19-04	1P	Hawkins Road			3700	Little Dam Tavern Brook	A	IC	3.05					Low	1
28-01	1P	Sabin Street			3708	Little River	В	I, U, IC	19.57					Low	1
28-02	1P	Sabin Street			3708	Little River	В	I, U	26.66					Low	1
28-03	1P	Wicker Street			3708	Wheaton Brook	A	I, U, IC	3.98					Low	1
28-04	1P	Wicker Street			3708	Wheaton Brook	A	I, U, IC	12.12					Low	1
28-05	1P	Milton Street			3708	Wheaton Brook	А	I, U, IC	7.78					Low	1
28-06	1P	Wicker Street			3708	Wheaton Brook	A	I, U, IC	2.48					Low	1
28-07	1P	South Prospect Street			3708	Little River	В	I, U, IC	2.30					Low	1
28-08	1P	Recreation Park Rd			3708	Little River	В	I, U, IC	6.79					Low	1
28-09	1P	Sabin Street			3708	Little River	В	I, U, IC	29.73					Low	1
29-02	1P	Church Street			3700	Quinebaug River	В	I, U, IC	6.53					High	2

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
29-03	1P	Recreation Park Rd			3708	Little River	В	I, U, IC	21.48					High	2
29-04	1P	Kennedy Drive			3700	Quinebaug River	В	I, U, IC	0.50					High	1
29-05	1P	Kennedy Drive			3700	Quinebaug River	В	I, U, IC	0.56					High	1
29-06	1P	Kennedy Drive			3700	Quinebaug River	В	I, U, IC	20.09					High	1
29-07	1P	Kennedy Drive			3700	Quinebaug River	В	I, U, IC	37.50					High	1
29-08	1P	Church Street			3700	Quinebaug River	В	I, U, IC	2.16					High	1
29-09	1P	Church Street			3700	Quinebaug River	В	I, U, IC	4.82					High	1
29-10	1P	Kennedy Drive			3700	Quinebaug River	В	I, U, IC	3.04					High	1
29-12	1P	Bridge Street			3700	Quinebaug River	В	I, U, IC	0.82					High	1
29-13	1P	Church Street			3700	Quinebaug River	В	I, U, IC	4.74					High	1
30-01	1P	Shippee Woods			3700	Little Dam Tavern Brook	А	IC	9.14					Low	1
30-02	1P	Davis Street			3700	Perry Brook	A	U	9.44					Low	2
30-03	1P	Phillips Street			3700	Perry Brook	A	U	16.55					Low	2
31-01	1P	Hawkins Road			3700	Little Dam Tavern Brook	A	IC	3.64					Low	1
31-02	1P	Walnut Street			3700	Little Dam Tavern Brook	A	IC	1.18					Low	1
31-03	1P	Walnut Street			3700	Perry Brook								Low	1
31-3A	1P	Walnut Street			3700	Perry Brook								Low	1
31-04	1P	Walnut Street			3700	Perry Brook								Low	1
31-05	1P	Walnut Street			3700	Perry Brook								Low	1
31-06	1P	Walnut Street			3700	Perry Brook								Low	1
31-08	1P	Walnut Street			3700	Perry Brook								Low	1
31-09	1P	Hawkins Road			3700	Little Dam Tavern Brook	A	IC	1.65					Low	1
31-10	1P	Walnut Street			3700	Perry Brook								Low	1
32-01	1P	Hawkins Road			3700	Little Dam Tavern Brook	А	IC	3.60					Low	1
41-01	1P	Underwood Road			3708	Little River								Low	1
41-05	1P	Sabin Street			3708	Little River	В	U, IC	6.05					Low	1
41-06	1P	Sabin Street			3708	Little River	В	I, IC	6.44					Low	2
41-07	1P	Sabin Street			3708	Little River	В	I, IC	100.49					High	3
42-02	1P	Pomfret Street/Rte 44	41.91518	71.91109	3700	Quinebaug River	В	I, U, IC	4.95					High	1
42-05	1P	Pomfret Street/Rte 44	41.91362	71.91343	3700	Quinebaug River	В	I, U, IC	1.23					High	1
42-06	1P	Church Street	41.91603	71.91266	3700	Quinebaug River	В	I, U, IC	4.25					Low	1
42-07	1P	Wilkinson Street	41.91520	71.90605	3700	Quinebaug River	В	I, U, IC	5.55					Low	1

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
42-09	1P	Kennedy Drive	41.91583	71.91059	3700	Quinebaug River	В	I, U, IC	55.41					High	2
42-10	1P	Kennedy Drive	41.91578	71.91056	3700	Quinebaug River	В	I, U, IC	3.56					High	2
42-11	1P	Kennedy Drive	41.91201	71.91242	3700	Quinebaug River	В	I, U, IC	3.44					High	1
42-12	1P	Kennedy Drive	41.91449	71.91087	3700	Quinebaug River	В	I, U, IC	1.15					High	1
42-13	1P	Kennedy Drive	41.91366	71.91116	3700	Quinebaug River	В	I, U, IC	2.03					High	1
42-14	1P	Church Street	41.91715	71.91247	3700	Quinebaug River	В	I, U, IC	6.32					High	1
43-01	1P	Flagg Street			3700	Perry Brook	A	U	3.45					Low	2
43-02	1P	Flagg Street			3700	Perry Brook	A	U	1.84					Low	2
43-03	1P	Florence Street			3700	Perry Brook	А	U	2.73					Low	1
43-04	1P	Farrows Street			3700	Perry Brook	A	U	6.24					Low	0
43-05	1P	Farrows Street			3700	Perry Brook	A	U	13.97					Low	0
43-06	1P	Farrows Street			3700	Perry Brook	A	U	21.36					Low	0
43-07	1P	Flagg Street			3700	Perry Brook	А	U	3.86					Low	1
53-01	1P	Gary School Road			3700	Durkee Brook	A	I, U	4.73					Low	1
55-01	1P	Kennedy Drive	41.90872	71.91136	3700	Quinebaug River	В	I, U, IC	4.73					Low	1
55-02	1P	Kennedy Drive	41.90843	71.90815	3700	Quinebaug River	В	I, U, IC	8.98					High	3
55-03	1P	Kennedy Drive	41.90873	71.90899	3700	Quinebaug River	В	I, U, IC	2.95					High	2
55-04	1P	Kennedy Drive	41.90868	71.90950	3700	Quinebaug River	В	I, U, IC	30.47					High	1
55-05	1P	Kennedy Drive	41.90821	71.90782	3700	Quinebaug River	В	I, U, IC	6.27					High	1
55-06	1P	Quinebaug Ave	41.90842	71.91181	3700	Quinebaug River	В	I, U, IC	25.16					High	1
55-07	1P	Kennedy Drive	41.90659	71.90587	3700	Quinebaug River	В	I, U	52.67					High	1
55-08	1P	Park Street	41.90748	71.90375	3700	Quinebaug River	В	I, U, IC	2.64					Low	1
55-09	1P	Kennedy Drive	41.91122	71.91280	3700	Quinebaug River	В	I, U, IC	1.49					High	1
55-10	1P	River Road	41.90684	71.91077	3700	Quinebaug River	В	I, IC	2.06					Low	1
56-02	1P	South Main Street			3700	Quinebaug River	В	I, U, IC	6.18					Low	1
56-03	1P	South Main Street			3700	Quinebaug River	В	I, U, IC	9.09					Low	1
56-04	1P	Heritage Road			3700	Perry Brook	А	U	0.29					Low	1
56-05	1P	Heritage Road			3700	Perry Brook	А	U	10.84					Low	1
56-06	1P	Heritage Road			3700	Perry Brook	А	U	0.29					Low	1
56-08	1P	Memorial Terrace			3700	Perry Brook	A	U	3.62					Low	1
67-02	1P	Kelsie's Way			3700	Quinebaug River	В	I, IC	4.55					Low	0
68-01	1P	River Road			3700	Quinebaug River	В	I, IC	1.66					Low	1

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
68-02	1P	Kennedy Drive			3700	Quinebaug River	В	I, IC						High	1
69-01	1P	Kennedy Drive			3700	Quinebaug River	В	I, U, IC	0.35					Low	1
69-03	1P	South Main Street			3700	Culver Brook	A	U, IC	1.22					Low	1
69-04	1P	South Main Street			3700	Culver Brook	A	U, IC	0.72					Low	1
69-05	1P	Kennedy Drive			3700	Quinebaug River	В	U, IC	1.61					High	1
69-06	1P	Kennedy Drive			3700	Quinebaug River	В	U, IC	0.84					High	1
80-02	1P	St. James Place			3700	Quinebaug River	В	I, IC	5.54					Low	1
82-01	1P	Park Street			3700	Culver Brook	A	U, IC	8.67					Low	1
82-02	1P	Park Street			3700	Culver Brook	A	U, IC	3.78					Low	1
82-03	1P	Kennedy Drive			3700	Quinebaug River	В	U, IC	1					Low	1
82-04	1P	Kennedy Drive			3700	Quinebaug River	В	U, IC	0.73					Low	1
82-05	1P	Kennedy Drive			3700	Quinebaug River	В	U, IC	0.39					Low	1
82-06	1P	Park Road			3700	Quinebaug River	В	U, IC	8.95					High	1
83-04	1P	Industrial Park Road			3700	Culver Brook	A	U	7.9					Low	0
90-01	1P	Modock Road			3700	Durkee Brook	А	I	30.85					Low	1
92-01	1P	Park Road			3700	Quinebaug River	В	I, IC	6.67					High	1
92-02	1P	Park Road			3700	Quinebaug River	В	I, U, IC	0.4					Low	1
92-03	1P	Park Road			3700	Quinebaug River	В	I, U, IC	45.39					High	0
93-02	1P	Industrial Park Road			3700	Culver Brook	A	I, IC	13.39					High	1
8-01	2N	Thurber Road			3700	Lippitts Brook	A	no	6.22					Low	1
8-02	2N	Thurber Road			3700	Lippitts Brook	A	no	7.22					Excluded	1
8-03	2N	Thurber Road			3700	Quinebaug River	В	no	9.31					Low	1
8-04	2N	Thurber Road			3700	Lippitts Brook	А	no	8.93					Low	1
104-01	2N	River Road			3700	Carpenter Brook	А	no	2.07					Excluded	1
20-02	2N	Mary Crest Drive			3700	Lippitts Brook	А	no	4.81					Low	1
21-01	2N	Thurber Road			3700	Lippitts Brook	A	no	9.01					Low	1
22-01	2N	Elvira Heights			3400	Munson Brook	А	no	3.55					Low	1
22-02	2N	Elvira Heights			3400	Munson Brook	Α	no	3.1					Low	1
22-03	2N	Elvira Heights			3400	Munson Brook	А	no	check					Low	1
22-04	2N	Elvira Heights			3400	Munson Brook	Α	no	3.4					Low	1
31-03	2N	Walnut Road			3700	Perry Brook	Α	no	4.34					Low	1
31-04	2N	Walnut Street			3700	Perry Brook	A	no	0.934					Low	1

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
31-05	2N	Walnut Street			3700	Perry Brook	А	no	2.23					Low	1
31-06	2N	Walnut Street			3700	Perry Brook	А	no	0.833					Low	1
31-07	2N	Walnut Road			3700	Perry Brook	А	no	1.25					Low	1
31-08	2N	Walnut Road			3700	Perry Brook	А	no	4.75					Low	1
31-10	2N	Walnut Road			3700	Perry Brook	А	no	5.52					Low	1
46-01	2N	Aldrich Road			3700	Tavern Brook Pond No1	A	no	11.23					Low	1
57-01	2N	Shepards Lane			3700	Perry Brook	A	no	4.74					Low	1
57-02	2N	Heritage Road			3700	Perry Brook	А	no	0.3					Low	1
57-03	2N	Heritage Road			3700	Perry Brook	А	no	0.82					Low	1
57-04	2N	Heritage Road			3700	Perry Brook	А	no	8.15					Low	1
58-01	2N	Heritage Road			3700	Culver Brook	А	no	check					Low	2
58-02	2N	Heritage Road			3700	Culver Brook	A	no	4.84					Low	2
58-03	2N	Heritage Road			3700	Culver Brook	A	no	17.15					Low	2
63-01	2N	Brookside Landing			3403	Cady Brook	A	no	3.16					Low	1
71-01	2N	Heritage Road			3700	Culver Brook	A	no	5.19					Low	2
72-03	2N	Five Mile River Road			3700	Tavern Brook Pond No1	А	no	8.03					Low	1
72-04	2N	Five Mile River Road			3700	Tavern Brook Pond No1	А	no	18.91					Low	2
72-05	2N	Five Mile River Road			3700	Tavern Brook Pond No1	А	no	27.33					Low	2
75-01	2N	River Junction Estates			3400	Five Mile River	A	no	3.61					Low	0
75-02	2N	River Junction Estates			3400	Five Mile River	A	no	24.83					Low	0
76-01	2N	Chase Road			3400	Five Mile River	A	no	12.68					Low	1
80-01	2N	Mantup Road			3700	Carpenter Brook	А	no	10.12					Low	2
83-02	2N	Killingly Ave/Rte 12			3700	Culver Brook	А	no	52.34					Low	1
83-05	2N	Industrial Park Road			3700	Culver Brook	А	no	1.58					Low	0
83-06	2N	Highland Drive			3700	Culver Brook	A	no	14.68					Low	1
84-01	2N	Hurry Hill Road			3700	Culver Brook	A	no	12.74					Low	2
84-02	2N	DeCubellis Court			3700	Culver Brook	А	no	13.73					Low	1
84-03	2N	Paula Road			3700	Culver Brook	А	no	14.08					Low	1
93-01	2N	Highland Drive			3700	Culver Brook	А	no	5.46					Low	1
94-02	2N	Killingly Ave/Rte 12			3700	LaBonte Pond	Α	no	14.03					Low	1
94-03	2N	Pierce Road			3700	LaBonte Pond	A	no	14.25					Low	1
94-04	2N	Pierce Road			3700	LaBonte Pond	A	no	5.22					Low	2

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
95-01	2N	Aspinock Road			3400	Aspinock Brook	AA	no	2.13					Low	1
11-01	3 5	East Putnam Road			3400	Five Mile River	А	no	4.11						
102-01	3 S	Killingly Ave/Rte 12			3700	Culver Brook	А	no							
102-02	3 S	Killingly Ave/Rte 12			3700	Culver Brook	А	no							
102-03	3 S	Killingly Ave/Rte 12			3700	Culver Brook	А	no							
102-04	3 S	Killingly Ave/Rte 12			3700	Culver Brook	А	no							
15-02	3 S	Providence Street			3708	Wheaton Brook	А	I, U, IC							
L5-03	3 S	Providence Street			3708	Wheaton Brook	А	I, U, IC							
15-07	3 S	Woodstock Avenue			3708	Wheaton Brook	А	I, U, IC							
L6-01	3 S	Providence Street			3700	Quinebaug River	В	I, U, IC							
6-02	3 S	Providence Street			3700	Quinebaug River	В	I, U, IC							
L6-09	3 S	Providence Street			3700	Quinebaug River	В	I, U, IC							
7-01	3 S	School Street			3700	Little Dam Tavern Brook	А	U, IC							
17-03	3 S	School Street			3700	Little Dam Tavern Brook	А	U, IC							
.7-04	3 S	School Street			3700	Little Dam Tavern Brook	А	U, IC							
.7-05	3 S	Mechanics Street			3700	Little Dam Tavern Brook	А	U, IC							
7-06	3 S	Mechanics Street			3700	Little Dam Tavern Brook	А	U, IC							
.7-07	3 S	School Street			3700	Little Dam Tavern Brook	А	U, IC							
7-10	3 S	School Street			3700	Little Dam Tavern Brook	А	U, IC							
7-11	3 S	School Street			3700	Little Dam Tavern Brook	А	U, IC							
8-01	3 S	Providence Pike			3700	Little Dam Tavern Brook	А	U, IC							
8-02	3 S	Providence Pike			3700	Little Dam Tavern Brook	А	IC							
8-03	3 S	Providence Pike			3700	Little Dam Tavern Brook	А	U, IC							
8-04	3 S	Providence Pike			3700	Little Dam Tavern Brook	А	U, IC							
8-05	<u>3S</u>	Providence Pike			3700	Little Dam Tavern Brook	A	U, IC							
8-06	<u>3S</u>	Providence Pike			3700	Little Dam Tavern Brook	A	IC							
9-01	<u>3S</u>	Providence Pike			3700	Little Dam Tavern Brook	A	IC							
19-02	<mark>3</mark> 5	Providence Pike			3700	Little Dam Tavern Brook	А	IC							
9-03	3 S	Providence Pike			3700	Little Dam Tavern Brook	А	IC							
9-05	<u>3S</u>	Liberty Highway			3700	Little Dam Tavern Brook	А	IC							
9-06	<u>3S</u>	Liberty Highway			3700	Little Dam Tavern Brook	А	IC							
20-01	<u>3S</u>	Providence Pike			3700	Lippitts Brook	A	no							

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
29-01	<u>3S</u>	Providence Street			3700	Quinebaug River	В	I, U, IC							
29-11	<u>3</u> S	School Street			3700	Quinebaug River	В	I, U, IC	40.75						
35-01	<u>3</u> S	Providence Pike			3400	Five Mile River	А	no							
35-02	<u>3S</u>	Providence Pike			3400	Cutlers Brook	А	no							
35-03	<u>3S</u>	Providence Pike			3400	Cutlers Brook	А	no							
37-01	<u>3</u> S	Providence Pike			3402	Mary Brown Brook	А	no							
41-01	<u>3</u> S	Underwood Road			3708	Little River	В	I, U	100.49						
41-02	<u>3</u> S	Pomfret Street/Rte 44			3708	Little River	В	U, IC							
41-03	<u>3</u> S	Pomfret Street/Rte 44			3708	Little River	В	U, IC							
41-04	<u>3S</u>	Pomfret Street/Rte 44			3708	Little River	В	U, IC							
41-08	<u>3S</u>	Sabin Street/Rte 44			3708	Little River	В	I, U, IC	29.87						
42-01	<u>3</u> S	South Main St/Rte 12			3700	Quinebaug River	В	I, U, IC							
42-03	<u>3</u> S	Pomfret Street/Rte 44			3700	Quinebaug River	В	I, U, IC							
42-04	<u>3</u> S	Pomfret Street/Rte 44			3700	Quinebaug River	В	I, U, IC							
42-08	<u>3</u> S	South Main St/Rte 12			3700	Quinebaug River	В	I, U, IC							
45-01	<u>3</u> S	Liberty Highway			3700	Little Dam Tavern Brook	А	IC							
45-02	<u>3S</u>	Liberty Highway			3700	Culver Brook	А	no							
54-01	<u>3S</u>	Pomfret Street/Rte 44			3700	Quinebaug River	В	I, U, IC	3.26						
54-02	<u>3</u> S	Pomfret Street/Rte 44			3700	Quinebaug River	В	I, U, IC	24.54						
54-03	<u>3</u> S	Pomfret Street/Rte 44			3700	Quinebaug River	В	I, U, IC	Check						
54-04	<u>3</u> S	Pomfret St/Quin. Ave			3700	Quinebaug River	В	I, U, IC	14.65						
54-05	<u>3</u> S	Pomfret St/Quin. Ave			3700	Quinebaug River	В	I, U, IC	29.87						
56-01	<u>3S</u>	Killingly Ave/Rte 12			3700	Perry Brook	А	U							
56-07	<u>3S</u>	Grove St/ Rte 12			3700	Perry Brook	А	I, U, IC							
59-01	<u>3S</u>	Liberty Highway			3700	Tavern Brook Pond No1	А	no							
59-02	<u>3S</u>	Liberty Highway			3700	Tavern Brook Pond No1	A	no							
67-01	35	Pomfret Street/Rte 44			3700	Carpenter Brook	A	U							
67-03	35	Pomfret Street/Rte 44			3700	Quinebaug River	В	I, IC							
69-02	<u>3S</u>	Killingly Ave/Rte12/l-395			3700	Perry Brook	A	no							
70-01	<u>3S</u>	Killingly Ave/Rte 12			3700	Perry Brook	A	no							
72-01	35	Liberty Highway			3700	Tavern Brook Pond No1	A	no	8.03						
72-02	<u>3S</u>	Liberty Highway			3700	Tavern Brook Pond No1	A	no							

GIS #	Туре	Street	Latitude	Longitude	Watershed	Water Body	WQ Class	Priority Area	Catchment Area (Acres)	IC Imp Cover (acres)	% IC	Connectivity Level	% DCIA	Priority Ranking	SVF Score
83-01	<u>3S</u>	Killingly Ave/Rte 12			3700	Culver Brook	А	no							
83-03	<u>3S</u>	Killingly Ave/Rte 12			3700	Culver Brook	А	no	5.3						
94-01	<u>3S</u>	Killingly Ave/Rte 12			3700	LaBonte Pond	А	no							
94-05	35	Killingly Ave/Rte 12			3700	LaBonte Pond	A	no							

Colors:

Yellow = 100% State or Private Drainage System

Orange = Interconnected Municipal/State Drainage System

Type:

1P = Priority catchment due to urbanized area, impaired water body, or DCIA >11%

2N = Not a priority catchment

3S = State drainage system

Abbreviations:

IC = Impervious Cover

DCIA = directly connected impervious area

U = Urbanized area from 2010 census from mapping on CT NEMO website

I = Impaired waterbody: Quinebaug, Little River, & Wheaton Brook

SVF = System Vulnerability Factor

Connectivity Level for DCIA calculations using Option 2:

- 1 Fully Connected, 100% storm sewered with all IC, DCIA % = IC%
- 2 Highly Connected, mostly storm sewered with curb and gutter, residential rooftops connected to MS4, DCIA% = 0.4(%1C)^1.2
- 3 Average, mostly storm sewered with curb and gutter, residential rooftops NOT connected to MS4, DCIA % = 0.1(%IC)^1.5
- 4 Partially Connected, 50% storm sewered with some infiltration and residential rooftops not connected to MS4, DCIA% =0.04(%1C)^1.7
- 5 Slightly Connected, small % of urban storm sewered or mostly infiltration, DCIA%=0.01(1C%)²

Outfalls and Catchments Table

2-15-2022

Dry Weather Sampling

Image Image <th< th=""><th>GIS #</th><th>Receiving Water</th><th>Watershed</th><th>Dry Weather Inspection Date</th><th>Outfall Submerged?</th><th>If yes, identify upstream</th><th>Outfall Type</th><th>Outfall Material</th><th>Outfall Condition</th><th>Pipe Shape</th><th>Pipe Size</th><th>Latitude</th><th>Longitude</th><th>Evidence of Flow</th><th>Visual Evidence of Illicit</th><th>Olfactory Evidence of Illicit</th><th>Comments</th></th<>	GIS #	Receiving Water	Watershed	Dry Weather Inspection Date	Outfall Submerged?	If yes, identify upstream	Outfall Type	Outfall Material	Outfall Condition	Pipe Shape	Pipe Size	Latitude	Longitude	Evidence of Flow	Visual Evidence of Illicit	Olfactory Evidence of Illicit	Comments
10. 10. 10.0 10.0 10.0 10.0 10.00 </th <th>1 01</th> <th>Little Diver</th> <th>2709</th> <th>C/17/2021</th> <th>No</th> <th>structure</th> <th>Dine</th> <th>Conorato</th> <th>Cood</th> <th>Doundod</th> <th>24"</th> <th></th> <th></th> <th>Vee*</th> <th>Discharge</th> <th>Discharge</th> <th>Madavata Flaur</th>	1 01	Little Diver	2709	C/17/2021	No	structure	Dine	Conorato	Cood	Doundod	24"			Vee*	Discharge	Discharge	Madavata Flaur
10.3 Little River 37.00 07/1/202 No.0 No.0 No.0 No.0 No.0 No.0 20.0 Little River 37.08 6/17/2021 No.0	1 01	Little River	3708	6/17/2021	No	NA NA	Pipe	Concrete	Good	Rounded	24			Yes*	NO	NO	Modelate Flow
103 01/12/11 No No Pipe Contrete Souther Southe	1 02	Little River	3706	6/17/2021	No	NA	Pipe	Concrete	Good	Rounded	10"			No	No	No	
2 02 0 Inter Nor 6 /1 / 201 No No <t< td=""><td>1 03</td><td>Little River</td><td>3708</td><td>0/17/2021 C/17/2021</td><td>No</td><td>NA</td><td>Pipe</td><td>Concrete</td><td>Good</td><td>Rounded</td><td>10</td><td></td><td></td><td>No</td><td>No</td><td>No</td><td></td></t<>	1 03	Little River	3708	0/17/2021 C/17/2021	No	NA	Pipe	Concrete	Good	Rounded	10			No	No	No	
2 03 Wheton Brook 3 008 6 /1/2021 No	2 02		3708	6/17/2021	No	NA	Pipe	Concrete	Good	Rounded	15			NO	NO	NO	
1 or 1 or 	2 03	Wheaton Brook	3708	6/7/2021	No	NA	Pipe		Poor	Rounded	15			NO	NO	NO	Needs cleaning
2 0Wheaden fixed3 006 /1/2021NANAPipeCorrugate fixed fixedNoNoNoNoNo3 01Quinebaug Rive3 7006 /7/2021NoNAPipeConcreteGodRounded1s"No </td <td>2 05</td> <td>Wheaton Brook</td> <td>3708</td> <td>6/17/2021</td> <td>No</td> <td>NA NA</td> <td>Pipe</td> <td></td> <td>Good</td> <td>Rounded</td> <td>12</td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td>	2 05	Wheaton Brook	3708	6/17/2021	No	NA NA	Pipe		Good	Rounded	12			NO	NO	NO	
3 01Culterbarg River3 7006 /7/2021R NoR No<	2 00	Wheaton Brook	3708	6/17/2021	No	NA	Pipe	Corrugated HDPE	Good	Rounded	15			NO	NO	NO	
3 020 unebag wire 3 006 /7/2016 /7/201NoNAPipeConcrete Corrugate Metal6 unebag Rounde12NoPresPresNoNoNoObstructures Sime Pain3 030 unebag wire 	3 01	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Concrete	Good	Rounded	15			NO Xaa*	NO	NO	No Odan Clash Came Frank
3 bit2 difference6 strict6 stri	3 02	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Concrete	Good	Rounded	24			Yes*	Yes	NO	No Odor, Clear, Some Foam
3 viaQuinebag Rive3 3006 // 2021NoNoNoPipeConcreteNoRounde15NoNoNoNoNo3 viaQuinebag Rive3 3006 // 2021NoNoNaPipeConcreteGoodRounde3 viaNoNoNoNo3 viaQuinebag Rive3 3006 // 2021NoNoNaPipeConcreteFairRounde3 viaNoNoNoNo3 viaQuinebag Rive3 3006 // 2021NoNoNaPipeConcreteGoodRounde1 viaNoNoNoNoNo3 viaQuinebag Rive3 3006 // 2021NoNoNoPipeConcreteGoodRounde1 viaNoNoNoNoNo3 viaQuinebag Rive3 3006 // 2021NoNoNoPipeConcreteGoodRounde1 viaNoNoNoNo3 viaQuinebag Rive3 3006 // 2021No <td>3 03</td> <td>Quinebaug River</td> <td>3700</td> <td>6/7/2021</td> <td>No</td> <td>NA NA</td> <td>Pipe</td> <td>Corrugated Wietai</td> <td>Good</td> <td>Rounded</td> <td>15</td> <td></td> <td></td> <td>NU Vee*</td> <td>NO</td> <td>NO</td> <td>Dahar Faint Sulfur Clear Slight Datualour</td>	3 03	Quinebaug River	3700	6/7/2021	No	NA NA	Pipe	Corrugated Wietai	Good	Rounded	15			NU Vee*	NO	NO	Dahar Faint Sulfur Clear Slight Datualour
3 bitCultified3 role6 r/2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	3 04	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Concrete	POOr	Rounded	15			res	res	res	Rebar, Faint Sunur, Clear, Signt Petroleum
3 00Quinebal River3 7006 // 2021R NoR NoPipeConcreteF and F and F and F and F and F and F and F and F and F and 	3 05	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Concrete	Good	Rounded	15			NO	NO	NO	
3 07Quinebag Nee370067/2021NoNAPipeCorrugated PipeRod15IIINoNoNoNo3 08Quinebag Nive37006/7/2021NoNAPipeCorrugated Alum.FairRounde15'INoNoNoNo3 10Quinebag River37006/7/2021NoNAPipeCorrugated Alum.FairRounde15'INoNoNoNo6 01Little Dam Taver37006/2/2021NoNAPipeCorrugated Alum.GoodRounde15'INoNoNoNo14-01Little River370812/3/202NoNAPipeCorrugated MetalGoodRounde15'INoNoNoNo15-09Wheaton Brook370812/3/202NoNAPipeCorrugated MetalGoodRounde12''INoNoNoNo16-05Quinebau River370812/3/202NoNAPipeCorrugated MetalGoodRounde12''INoNoNoNo17-05Wheaton Brook370812/3/202NoNAPipeCorrugated MetalGoodRounde12''INo <td>3 06</td> <td>Quinebaug River</td> <td>3700</td> <td>6/7/2021</td> <td>No</td> <td>NA</td> <td>Pipe</td> <td>Concrete</td> <td>Fair</td> <td>Rounded</td> <td>30</td> <td></td> <td></td> <td>NO Vee*</td> <td>NO</td> <td>NO</td> <td>Faint Mustu Oder, Orange, Fear, Minaral</td>	3 06	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Concrete	Fair	Rounded	30			NO Vee*	NO	NO	Faint Mustu Oder, Orange, Fear, Minaral
3 00Quinebag Nee3 7006 7/2021NoNAPipeCorrugate Adm.PianRotinde15INoNoNoNo3 10Quinebag Nee3 7006 7/2021NoNAPipeConcreteGoodRounde15'INoNoNoNo6 01Little Dam Taven3 7006 /28/2021NoNAPipeConcreteGoodRounde15'INoNoNoNo14 01Little River3 70812/3020NoNAPipeConcreteGoodRounde15'INoNoNoNo15 09Wheaton Brook3 70812/3020NoNAPipeConcreteGoodRounde12''INoNoNoNo16 09Wheaton Brook3 70812/3020NoNAPipeConcreteGoodRounde12''INoNoNoNo16 09Wheaton Brook3 70812/3020NoNAPipeConcreteGoodRounde12''INoNoNoNoNo16 09Wheaton Brook3 70812/3020NoNAPipeConcreteGoodRounde12''INoNoNoNoNo16 09Wheaton Brook3 7086/17/201NoNAPipeConcreteGoodRounde12''INoNoNoNoNoNo<	3 07	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Corrugated Abure	Good	Rounded	15			res	res	res	Faint Musty Odor, Orange, Foam, Mineral
3 10Quinebag New3 7006 7/2021NoNAPipeConcreteGoodNoIsIsNoNoNo6 01Little Dam Taven37006/28/2021NoNAPipeConcreteGoodRounde15'IsNoNoNoNo14-01Little River370812/3020NoNAPipeConcreteGoodRounde15'IsNoNoNoNo15-08Wheaton Brook370812/3020NoNAPipeConcreteGoodRounde12'IsNoNoNoNo15-09Wheaton Brook37086/17/2021NoNAPipeConcreteGoodRounde24''IsNoNoNoNoNo16-05Quinebau River37006/17/2021NoNAPipeCorrugated MetalGoodRounde15''IsNo	3 08	Quinebaug River	3700	6/7/2021	No	NA NA	Pipe	Corrugated Alum.	Fair	Rounded	15			NO	NO	NO	
6 01little Dam laver3 /006 /28 /201NoNaPipeConcreteGoodRounde15INoNoNo14 01Little River3 70812/3/202NoNAPipeConcreteGoodRounde15'INoNoNoNo15 08Wheaton Brook3 70812/3/202NoNAPipeCorrugated MetalGoodRounde12'INoNoNoNo15 09Wheaton Brook3 7086 /17/201NoNAPipeCorrugated MetalGoodRounde12'INoNoNoNoNo16 09Wheaton Brook3 7086 /17/201NoNAPipeCorrugated MetalGoodRounde24''INo <t< td=""><td>3 10</td><td>Quinebaug River</td><td>3700</td><td>6/7/2021</td><td>No</td><td>NA</td><td>Pipe</td><td>Concrete</td><td>Good</td><td>Rounded</td><td>15</td><td></td><td></td><td>NO</td><td>NO</td><td>NO</td><td></td></t<>	3 10	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Concrete	Good	Rounded	15			NO	NO	NO	
14-01121/2 (1)121/2 (2)100	6 01	Little Dam Tavern	3700	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	15			NO	NO	NO	
15-08 Wheeder Brock S708 1273/202 No No Pripe Corrugate Meeder Meed Good Roll and 12 Icol No No No Pripe Corrugate Meeder Meed Good Roll and 12 Icol No No No Pripe Corrugate Meeder Meeder Good Roll and 12 Icol No No <td>14-01</td> <td>Little River</td> <td>3708</td> <td>12/3/2020</td> <td>No</td> <td>NA NA</td> <td>Pipe</td> <td>Concrete</td> <td>Good</td> <td>Rounded</td> <td>15</td> <td></td> <td></td> <td>NO</td> <td>NO</td> <td>NO</td> <td></td>	14-01	Little River	3708	12/3/2020	No	NA NA	Pipe	Concrete	Good	Rounded	15			NO	NO	NO	
15-09 Wilearch Brock 3708 6/17/2021 No NA Pipe Contracte Good Rothed 24 Icol Hes No	15-08	Wheaten Brook	3708	12/3/2020	No	NA	Pipe	Corrugated Metal	Good	Rounded	12			NU Vee*	NO	NO	No Odar Oranga Madarata Flaw, Slight Tint
16-05 Quinebaug Niver 3700 6/17/2021 No NA Pipe Corrugated Metal Good No No No No 16-08 Quinebaug River 3700 6/7/2021 No NA Pipe Corrugated Metal Good Rounded 15' Image: Corrugated Metal Good No No No 16-08 Quinebaug River 3700 6/7/2021 No Na Pipe Corrugated Metal Good Rounded 15' Image: Corrugated Metal No No No No	15-09	Wheaton Brook	3708	6/17/2021	No	NA	Pipe	Concrete	Good	Rounded	24			Yes*	NO	NO	No Odor, Orange, Moderate Flow, Slight Tint
10-08 Quinebaug kiver 3700 6/7/2021 NO NA Pipe Confugated Netal Good Rounded 12 NO NO NO	16-05	Quinebaug River	3700	6/1//2021	No	NA	Pipe	Corrugated Metal	Good	Rounded	15			NO	NO	NO	
10.07 Little Dam Taylor 2,700 C/20/2021 No. No. No. Constate Constate Cond. Daylord 15" No. No. No. No. No. No.	10-08	United aug River	3700	6/7/2021	No	NA	Pipe	Corrugated Metal	Good	Rounded	12			NO	NO	NO	Neede clooping
18-0/ Little Dam Tavern 3/00 6/28/2021 No NA Pipe Concrete Good Rounded 15 No No No No Needs cleaning	18-07	Little Dam Tavern	3700	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	15			NO	NO	NO	Needs cleaning
19-04 Little Dam Tavern 3/00 6/28/2021 No NA Pipe Corrugated HDPE Good Rounded 15 No No No No	19-04	Little Dam Tavern	3700	6/28/2021	No	NA	Pipe	Corrugated HDPE	Good	Rounded	15			NO	NO	NO	terre verslerklask sviffell
28-01 Little River 3/08 6/28/2021 No NA Pipe Concrete Good Rounded 24 No No No Large rocks block outrail	28-01	Little River	3708	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	24			NO	NO	NO	Large rocks block outfall
28-02 Quinebaug River 3700 6/7/2021 No NA Pipe Corrugated Matel Good Rounded 18 No No No	28-02	Quinebaug River	3700	6/7/2021	No	NA	Pipe	Corrugated HDPE	Good	Rounded	18			NO	NO	NO	
	28-03	Wheaten Brook	3708	12/3/2020	No	NA	Pipe		Good	Dounded	15			No	No	No	
28-04 Writedion Brook 3708 12/3/2020 No NA Pipe Conrugated HDPC Good Rounded 15 No No No 12.00 Writedion Brook 3708 12/3/2020 No Na Pipe Conrugated HDPC Good Rounded 15 No No No	28-04	Wheaten Brook	3708	12/3/2020	No	NA NA	Pipe	Corrugated HDPE	Good	Rounded	15			NO	NO	NO	
$\frac{12}{1000}$ wheaton brook $\frac{3}{100}$ $\frac{12}{12}$	28-00	Quinchaug Bivor	3708	6/24/2020	No	NA NA	Pipe	Concrete	3	Rounded	15			NO	NO	NO	Can not locate outfall unstream dry
$\frac{25-02}{N0} \frac{1}{N0} \frac{1}{$	29-02	Quinebaug River	3700	6/24/2021	No	NA	Pipe	Concrete	: Cood	Rounded	12			No	No	No	Can not locate outrail, upstream dry
$\frac{25-04}{12} \text{Quineburg River} \frac{2700}{12} \frac{5/24/2021}{12} \text{No} \text{No} Rescale of the second rescale of the second$	29-04	Quinebaug River	3700	6/24/2021	No	NA	Pipe	Concrete	Good	Rounded	12			No	No	No	
$\frac{25-05}{10} \text{Quineburg River} \frac{2700}{10} \frac{5/24/2021}{10} \text{No} \text{No} $	29-03	Quinebaug River	3700	6/24/2021	No	NA NA	Pipe	Concrete	Good	Rounded	12			No	No	No	
$\frac{25-10}{10} \text{Quinebug River} \frac{2700}{10} \frac{6/24/2021}{10} \text{No} $	29-10	Quinebaug River	2700	6/24/2021	No	NA NA	Pipe	Concrete	Good	Rounded	15			No	No	No	Can not locate outfall unstream dry
$\frac{25 \cdot 12}{12} \text{Quinebug River} \frac{2700}{10} \frac{6/24/2021}{10} \text{No} \text{No} \text{No} \frac{10}{10} \text{Concrete} \frac{52}{10} \frac{6}{10} \frac{10}{10} \frac{10}$	29-12	Quinebaug River	2700	6/24/2021	No	NA	Pipe	Concrete	Epir	Rounded	12			No	No	No	
$\frac{25-15}{10} \text{Quinebadg Niel} \frac{3700}{10} \frac{6/17/2021}{10} \text{No} $	29-15	Quinebaug River	3700	6/17/2021	No	NA	Pipe	Concrete	Fair	Rounded	12			No	No	No	
30-02 Perry Brook 3700 6/17/2021 No NA Pipe Concrete Fail Nol No No No 20.02 Derry Brook 2700 6/17/2021 No No No No No No	30-02	Perry Brook	3700	6/17/2021	No	NA NA	Pipe	Concrete	Fall	Rounded	20"			No	No	No	
37:00 0/1//2021 NO NA Fipe Concrete Out Multicle SO NO NO NO 21:02 Little Dam Tayern 3700 6/28/2021 No NA Pipe Concrete Good Rounded 12" No No No	30-03	Little Dam Tayorn	3700	6/28/2021	No	NA	Pine	Corrugated Motal	Good	Rounded	12"			No	No	No	
31-03 Perry Brook 3700 6/28/2021 No NA Pipe Concrete Good Rounded 30" No No	31-02	Perry Brook	3700	6/28/2021	No	NA	Pine	Concrete	Good	Rounded	30"			No	No	No	
31-034 Perry Brook 3700 6/28/2021 No NA Pine Concrete Good Rounded 15" No No	31-034	Perry Brook	3700	6/28/2021	No	NA	Pine	Concrete	Good	Rounded	15"			No	No	No	

31-04	Little Dam Tavern	3700	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	12"			No	No	No	
31-05	Little Dam Tavern	3700	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	15"			No	No	No	
31-06	Perry Brook	3700	6/28/2021	No	NA	Pipe	Corrugated Metal	Good	Rounded	15"			No	No	No	
31-08	Perry Brook	3700	6/28/2021	No	NA	Pipe	Corrugated Metal	Good	Rounded	15"			No	No	No	
31-10	Perry Brook	3700	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	15"			No	No	No	Needs cleaning
32-01	Little Dam Tavern	3700	6/28/2021	No	NA	Pipe	Concrete	Good	Rounded	15"			No	No	No	
41-04	Little River	3708	6/28/2021	No	NA	Pipe	Corrugated HDPE	Good	Rounded	15"			No	No	No	Standing Water
41-2AB	Little River	3708	12/3/22020	No	NA	Pipes 2	Cast Iron	Fair	Rounded	6"			No	No	No	
41-06	Little River	3708	12/3/2020	No	NA	Pipe	Clay	Fair	Rounded	10"			No	No	No	
41-07	Little River	3708	12/3/2020	No	NA	Pipe	Corrugated Metal	Good	Rounded	30"			No	No	No	
41-08	Little River	3708	12/3/2020	No	NA	Pipe	PVC	Good	Rounded	8"			No	No	No	
42-02	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Corrugated Metal	Good	Rounded	15"	41.91518	71.91109	No	No	No	
42-05	Quinebaug River	3700	12/16/2019	No, could not locate	Catch Basin		Concrete		Rounded	15"	41.91362	71.91343	No	No	No	Area covered in dumped leaves, need to expose
42-06	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Corrugated Metal	Good	Rounded	30"	41.91603	71.91266	No	No	No	
42-07	Quinebaug River	3700	12/16/2019	No, could not locate	Catch Basin		Corrugated Plastic		Rounded	18"	41.91520	71.90605	No	No	No	Overgrown vegetation. Need to expose outfall
42-09	Quinebaug River	3700	12/16/2019	Yes	Manhole	End Wall	Concrete		Rounded	48"	41.91583	71.91059				High water level. Need traffic control to access MH
42-10	Quinebaug River	3700	12/16/2019	Yes	Manhole	End Wall	Concrete		Rounded	15"	41.91578	71.91056				High water level. Need traffic control to access MH
42-11	Quinebaug River	3700	12/16/2019	Mavbe, could not loca	Catch Basin		Concrete		Rounded	15"	41.91201	71.91242	No	No	No	High water level, dense vegetation, need to expose outfa
42-12	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Concrete	Poor	Rounded	12"	41.91449	71.91087	No	No	No	Need to remove debris from end of pipe and swale
42-13	Quinebaug River	3700	12/16/2019	Maybe, could not loca	Catch Basin		Concrete		Rounded	18"	41.91366	71.91116	Yes*	No	No	Dense, overgrown vegetation. Need to expose outfall
42-13A	Quinebaug River	3700	12/3/2020	No	NA	Pipe in Pipe	Concrete	Good	Rounded	15"			No	No	No	
42-14	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Concrete	Good	Rounded	18"	41.91715	71.91247	No	No	No	
43-01	Perry Brook	3700	6/17/2021	No	NA	Pipe	Corrugated HDPE	Good	Rounded	12"			No	No	No	
43-02	Perry Brook	3700	6/17/2021	No	NA	Pipe	Corrugated HDPE	Good	Rounded	12"			No	No	No	
43-03	Perry Brook	3700	6/17/2021	No	NA	Pipe	Concrete		Rounded	15"			No	No	No	Can not locate outfall, upstream dry
43-04	Perry Brook	3700	6/17/2021	No	NA	Pipe	Concrete	Fair	Rounded	15"			No	No	No	Needs cleaning
43-05	Perry Brook	3700	6/17/2021	No	NA	Pipe	Concrete	Fair	Rounded	15"			No	No	No	
43-06	Perry Brook	3700	6/17/2021	No	NA	Pipe	Clay?	?	Rounded	12"			No	No	No	Can not locate outfall, upstream dry
55-01	Quinebaug River	3700	12/16/2019	Yes	Catch Basin	End Wall	Concrete	Good	Rounded	24"	41.90872	71.91136	No	No	No	
55-02	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Corrugated Metal	Good	Rounded	24"	41.90843	71.90815	No	No	No	
55-03	Quinebaug River	3700	12/16/2019	No	NA	End Wall	Concrete	Good	Rounded	15"	41.90873	71.90899	No	No	No	
55-04	Quinebaug River	3700	12/16/2019	Yes	Catch Basin	End Wall	Concrete	Poor	Rounded	24"	41.90868	71.90950	No	No	No	Tree fell on top of outfall, damaged
55-05	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Corrugated Metal	Good	Rounded	15"	41.90821	71.90782	No	No	No	
55-06	Quinebaug River	3700	12/16/2019	No	NA	End Wall	Concrete	Good	Rounded	30"	41.90842	71.91181	Yes*	No	No	
55-07	Quinebaug River	3700	12/16/2019	No	NA	Flared End	Concrete	Fair	Rounded	15"	41.90659	71.90587	No	No	No	Belly sag in center of pipe from upgradient CB
55-08	Quinebaug River	3700	12/16/2019	No, could not locate	Catch Basin						41.90748	71.90375	No	No	No	Dense, overgrown vegetation. Need to expose outfall
55-09	Quinebaug River	3700	12/16/2019	Maybe,could not loca	Catch Basin		Concrete		Rounded	15"	41.91122	71.91280	No	No	No	
55-09	Quinebaug River	3700	12/3/2020	Yes	NA	Pipe	Clay	Good	Rounded	24"			No	No	No	
55-9A	Quinebaug River	3700	12/3/2020	No	NA	Pipe	Concrete	Good	Rounded	15"			No	No	No	
55-10	Quinebaug River	3700	12/16/2019	No	NA	Pipe	Concrete	Fair	Rounded	18"	41.90659	71.90587	Yes*	No	No	Outfall needs jetting
56-02	Quinebaug River	3700	6/24/2021	No	NA	Pipe	Corrugated Metal	Good	Rounded	24"			No	No	No	
68-02	Quinebaug River	3700	6/24/2021	No	NA	Pipe	Concrete	Good	Rounded	15"			No	No	No	
69-05	Quinebaug River	3700	6/24/2021	No	NA	Pipe	Corrugated Metal	Good	Rounded	15"			No	No	No	
69-06	Quinebaug River	3700	6/27/2021													Can not locate outfall, Upstream dry

* Sample results from flow provided on Analysis Sheet

Outfalls and Catchments Table 2/15/2022 Table 3 of 3

Dry Weather Analysis

CIC#	Ammonia	Surfactants	Chlorine	Conductivity	Temp.	Salinity	Bacteria			Follow up	Priority
615#	mg/L	mg/L	mg/L	μS/cm	C/F	ppm	/100ml	рН	Comment	needed	Ranking
Benchmark	≥0.5	≥0.25	>0.02	>2,000	NA	NA	576				
1 01	0.0753	<0.05	0	30	19C	0.01	>24196	6.06	6/17/2021	yes	Low
1 02	0.106	<0.05	0	141	21C	0.06	>24196	6.7	6/17/2021	yes	Low
3 02	0.137	<0.05	0	290	21.5C	0.15	2603	6.1	6/7/2021	yes	Low
3 04	0.197	<0.05	0	922	22.2C	0.46	>24196	5.9	6/7/2021	yes	Low
3 07	1.06	<0.05	0	1072	23.9C	0.54	24196	6	6/7/2021	yes	Low
15-09	0.205	<0.05	0	63	18.6C	0.03	>24196	5.39	6/17/2021	yes	Low
42-9									No access, sample up stream		High
MH-42-9-1	0	3.7	0	1564	12C			7.57	11/9/2021	yes	"
MH-42-9-2	0	0.33	0	1015	13.8C			7.18	11/9/2021 11:30AM	yes	п
MH-42-9-2	0	0.24	0	1304	12.9C			7.37	11/9/2021 12:00PM	yes	"
42-10									No access, sample up stream		High
MH-42-10-1	0	0.48	0	3070	13.8C			7.22	11/9/2021	yes	"
CB-42-10-13	0.5	2.5	0	1194	16.2C			6.71	11/9/2021	yes	п
42-13	<0.05	<0.05	<0.05	677	43.6F	434	<1		12/16/2019	yes	High
CB-42-13A-1	0	0.26	0	915	11.2C			7.8	11/2/2021 10:30AM Flow		
CB-42-13A-1									11/2/2021 3:00PM No flow, No sign		
CB-42-13A-2	0	0.24	0	810	12.5C			6.9	11/2/2021		
CB-42-13A-3	0	0.18	0	816	13.5C			6.53	11/2/2021		
CB-42-13A-4									11/2/2021 9:00AM No flow, No sign		
CB-42-13A-4	0	0.28	0	815	12.4C			6.9	11/2/2021 12:00PM Flow		
42-13A	0.15	<0.05	<0.05	843	11.5C	0.42	<10	8.81	12/3/2020	yes	High
55-04									No access, sample up stream		High
MH-55-4-2	0	0.15	0	1213	14.8C			9.1	10/20/2021		"
55-06	<0.05	<0.05	<0.05	1,778	44.1F	1,140	59.5		12/16/2019	yes	High
55-10	<0.05	<0.05	<0.05	2,562	40.27F	1,640	8.4		12/16/2019	yes	Low

Catchments are considered highly likely to contain illicit discharges from sanitary sources when

either of the following combinations of sampling results is detected:

Ammonia \geq 0.5 mg/L, surfactants \geq 0.25 mg/L, and bacteria levels >576/100 ml

Ammonia \geq 0.5 mg/L, surfactants \geq 0.25 mg/L, and detectable levels of chlorine

Table	6-1 (CATCHMENT ASS	ESSMENT AND PR		ANKING MATRIX							
						Discharging					j	Priority Ranking (7)
					Within Priority	To Area of			Previous			1 - problem
				Receiving	area with DCIA	Concern to		Density of	Screening	System		2 - high priority
			Receiving	Water	> 11%, urbanized, or	Public	Connectivity	Generating	Indicated	Vulnerability		3 - low priority
GIS#	Туре	e Street	Water Body	Quality (1)	impaired water body	Health (2)	level (3)	Sites (4)	Sewage (5)	Factor (6)	Score	4 - excluded
							Fully = 5		Yes = 3			
				Poor = 3	yes (1P) = 2	Yes= 3	Highly = 4	High = 3	(Problem	Score =		
		Scoring	Criteria	Fair = 2	No (2N) = 0	No = 0	Average = 3	Medium = 2	Catchment)	Number of		
				Good = 0			Partially = 2	Low = 1	No = 0	Yes answers		
1 01	10	Moodstock Avonuo	Little Divor	3	2	0		1			10	3 low priority
1-01		Moodstock Avenue			2	0	2	1		1	10	2 low priority
1.02		Woodstock Avenue		3	2	0	3	1		1	10	3 low priority
2.01		Woodstock Ave #1	Little River	3	2	0	2	4	-	1	10	3 - low priority
2-01		Laboreiera Street	Little River	2	2	0	2	1		1	10	2 low priority
2-02				3	2	0	<u> </u>					3 - low priority
2-03			VVneaton Brook	2	2	0	3	1			9	3 - Iow priority
2-04		Viens Street	VVneaton Brook	2	2	0	3				9	3 - low priority
2-05		Nevers Street	VVneaton Brook	2	2	0	3		ļ		9	3 - low priority
2-06	1P	Nevers Street	VVneaton Brook	2	2	0	3			1	9	3 - low priority
3-01	112	Bibeault Street	Quinebaug River	2	2	0	3			1	9	3 - low priority
3-02		David Circle	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-03	1P	David Circle	Quinebaug River	2	2	U	3	1		1	9	3 - low priority
3-04	11	David Circle	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-05	1P	David Circle	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-06	1P	Riverside Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-07	1P	David Circle	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-08	1P	Church Street	Quinebaug River	2	2	0	3	1	ļ	2	10	3 - low priority
3-09	1P	Auburn Street	Quinebaug River	2	2	0	2	1		1	8	3 - low priority
3-10	1P	Lafayette Street	Quinebaug River	2	2	0	2	1		2	9	3 - low priority
3-11	1P	Dudley Street	Quinebaug River	2	2	0	3	1		2	10	3 - low priority
3-12	1P	Church Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
6-01	1P	Sayles Avenue	Little Dam Tavern Brk	0	2	0	2	1		1	6	3 - low priority
6-02	1P	Sayles Avenue	Little Dam Tavern Brk	0	2	0	2	1		1	6	3 - low priority
100-01	1P	Park Road	Quinebaug River	2	2	0	2	3		0	9	3 - low priority
100-02	1P	Park Road	Quinebaug River	2	2	0	2	3		0	9	3 - low priority
100-03	1P	Park Road	Quinebaug River	2	2	0	2	3		0	9	3 - low priority
100-04	1P	Park Road	Quinebaug River	2	2	0	2	3		0	9	3 - low priority
101-01	1P	Ridge Road	Quinebaug River	2	2	0	3	3		0	10	3 - low priority
107-01	1P	Industrial Park Road	Quinebaug River	2	2	0	2	3	P	0	9	3 - low priority
14-01	1P	Woodstock Ave #1	Little River	3	2	0	3	1		1	10	3 - low priority
15-01	1P	Providence Street	Wheaton Brook	2	2	0	3	3		1	11	2 - high priority
15-04	1P	Woodstock Avenue	Wheaton Brook	2	2	0	3	2		2	11	2 - high priority
15-05	1P	Woodstock Avenue	Wheaton Brook	2	2	0	3	3		2	12	2 - high priority
15-06	1P	Woodstock Avenue	Wheaton Brook	2	2	0	3	3		2	12	2 - high priority
15-08	1P	Wicker Street	Wheaton Brook	2	2	0	3	1		2	10	3 - low priority

16174 IDDE Table 6-1 Catchment ranking 6-27-18.xls

1

Table	6-1 (CATCHMENT ASS	ESSMENT AND PF		ANKING MATRIX							-
						Discharging	-					Priority Ranking (7)
					Within Priority	To Area of	17		Previous			1 - problem
				Receivina	area with DCIA	Concern to		Density of	Screening	Svstem		2 - hiah priority
		2	Receiving	Water	> 11%, urbanized, or	Public	Connectivity	Generating	Indicated	Vulnerability		3 - low priority
GIS#	Туре	e Street	Water Body	Quality (1)	impaired water body	Health (2)	level (3)	Sites (4)	Sewage (5)	Factor (6)	Score	4 - excluded
15-09	1P	Bonosconi Drive	Wheaton Brook	2	2	0	2	1		2	9	3 - low priority
15-10	1P	Hurlbut Street	Wheaton Brook	2	2	0	2	1		2	9	3 - low priority
15-11	1P	St. Mary Cemetery	Wheaton Brook	2	2	0	3	1		2	10	3 - low priority
16-03	1P	Providence Street	Quinebaug River	2	2	3	4	2		1	14	2 - high priority
16-04	1P	Toutant hydro	Quinebaug River	2	2	0	3	3		2	12	2 - high priority
16-05	1P	Powhatten Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
16-06	1P	Riverside Street	Quinebaug River	2	2	0	2	1		1	8	3 - low priority
16-07	1P	Addison Street Ext.	Quinebaug River	2	2	0	2	1		1	8	3 - low priority
16-08	1P	Addison Street Ext.	Quinebaug River	2	2	0	2	1		1	8	3 - low priority
17-02	1P	School Street	Little Dam Tavern Brk	0	2	0	1	1		0	4	3 - low priority
17-08	1P	Thompson Avenue	Little Dam Tavern Brk	0	2	0	2	1		2	7	3 - low priority
17-09	1P	Thompson Avenue	Little Dam Tavern Brk	0	2	0	2	1		1	6	3 - low priority
17-12	1P	Bates Avenue	Little Dam Tavern Brk	0	2	0	2	1		1	6	3 - low priority
17-13	1P	Groveland Avenue	Quinebaug River	2	2	0	3	1		2	10	3 - low priority
18-07	1P	Pearl Avenue	Little Dam Tavern Brk	0	2	0	2	1		1	6	3 - low priority
19-04	1P	Hawkins Road	Little Dam Tavern Brk	0	2	0	1	1		1	5	3 - low priority
28-01	1P	Sabin Street	Little River	3	2	0	2	1	[1	9	3 - low priority
28-02	1P	Sabin Street	Little River	3	2	0	2	1		1	9	3 - low priority
28-03	1P	Wicker Street	Wheaton Brook	2	2	0	2	1		1	8	3 - low priority
28-04	1P	Wicker Street	Wheaton Brook	2	2	0	2	1		1	8	3 - low priority
28-05	1P	Milton Street	Wheaton Brook	2	2	0	3	1		1	9	3 - low priority
28-06	1P	Wicker Street	Wheaton Brook	2	2	0	2	1		1	8	3 - low priority
28-07	1P	South Prospect St	Little River	3	2	0	2	1		1	9	3 - low priority
28-08	1P	Recreation Park Rd	Little River	3	2	0	1	1		1	8	3 - low priority
28-09	1P	Sabin Street	Little River	3	2	0	2	1		1	9	3 - low priority
29-02	1P	Church Street	Quinebaug River	2	2	3	3	2		2	14	2 - high priority
29-03	1P	Recreation Park Rd	Little River	3	2	0	3	1		2	11	2 - high priority
29-04	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
29-05	1P	Kennedy Drive	Quinebaug River	2	2	3	5	1		1	14	2 - high priority
29-06	1P	Kennedy Drive	Quinebaug River	2	2	3	3	1		1	12	2 - high priority
29-07	1P	Kennedy Drive	Quinebaug River	2	2	3	5	2		1	15	2 - high priority
29-08	1P	Church Street	Quinebaug River	2	2	3	3	1		1	12	2 - high priority
29-09	1P	Church Street	Quinebaug River	2	2	3	3	1		1	12	2 - high priority
29-10	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
29-12	1P	Bridge Street	Quinebaug River	2	2	3	3	1		1	12	2 - high priority
29-13	1P	Church Street	Quinebaug River	2	2	0	3	3		1	11	2 - high priority
30-01	1P	Shippee Woods	Little Dam Tavern Brk	0	2	0	3	1		1	7	3 - low priority
30-02	1P	Davis Street	Perry Brook	0	2	0	3	1		2	8	3 - low priority
30-03	1P	Philips Street	Perry Brook	0	2	0	3	1		2	8	3 - low priority

Table	6-1 0	CATCHMENT ASS	ESSMENT AND PF		ANKING MATRIX		15					
						Discharging						Priority Ranking (7)
					Within Priority	To Area of	17		Previous			1 - problem
				Receivina	area with DCIA	Concern to		Density of	Screening	Svstem		2 - hiah priority
			Receiving	Water	> 11%, urbanized, or	Public	Connectivity	Generating	Indicated	Vulnerability		3 - low priority
GIS#	Туре	Street	Water Body	Quality (1)	impaired water body	Health (2)	level (3)	Sites (4)	Sewage (5)	Factor (6)	Score	4 - excluded
31-01	1P	Hawkins Road	Little Dam Tavern Brk	0	2	0	3	1		1	7	3 - low priority
31-02	1P	Walnut Street	Little Dam Tavern Brk	0	2	0	2	1	1	1	6	3 - low priority
31-09	1P	Hawkins Road	Little Dam Tavern Brk	0	2	0	3	1		1	7	3 - low priority
32-01	1P	Hawkins Road	Little Dam Tavern Brk	0	2	0	3	1		1	7	3 - low priority
41-05	1P	Sabin Street	Little River	3	2	0	3	1		1	10	3 - low priority
41-06	1P	Sabin Street	Little River	3	2	0	2	1		2	10	3 - low priority
41-07	1P	Sabin Street	Little River	3	2	0	3	1		3	12	2 - high priority
42-02	1P	Pomfret Street/Rte 44	Quinebaug River	2	2	3	4	2		1	14	2 - high priority
42-05	1P	Pomfret Street/Rte 44	Quinebaug River	2	2	0	4	2		1	11	2 - high priority
42-06	1P	Church Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
42-07	1P	Wilkinson Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
42-09	1P	Kennedy Drive	Quinebaug River	2	2	3	4	2		2	15	2 - high priority
42-10	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		2	14	2 - high priority
42-11	1P	Kennedy Drive	Quinebaug River	2	2	3	4	2		1	14	2 - high priority
42-12	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
42-13	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
42-14	1P	Church Street	Quinebaug River	2	2	3	3	1		1	12	2 - high priority
43-01	1P	Flagg Street	Perry Brook	0	2	0	3	1		2	8	3 - low priority
43-02	1P	Flagg Street	Perry Brook	0	2	0	2	1		2	7	3 - low priority
43-03	1P	Florence street	Perry Brook	0	2	0	2	1		1	6	3 - low priority
43-04	1P	Farrows Street	Perry Brook	0	2	0	2	1		0	5	3 - low priority
43-05	1P	Farrows Street	Perry Brook	0	2	0	2	1		0	5	3 - low priority
43-06	1P	Farrows Street	Perry Brook	0	2	0	2	1		0	5	3 - low priority
43-07	1P	Flagg Street	Perry Brook	0	2	0	2	1		1	6	3 - low priority
53-01	1P	Gary School Road	Durkee Brook	0	2	0	1	1		1	5	3 - low priority
55-01	1P	Kennedy Drive	Quinebaug River	2	2	0	3	2		1	10	3 - low priority
55-02	1P	Kennedy Drive	Quinebaug River	2	2	3	3	1		3	14	2 - high priority
55-03	1P	Kennedy Drive	Quinebaug River	2	2	3	3	1		2	13	2 - high priority
55-04	1P	Kennedy Drive	Quinebaug River	2	2	3	3	3		1	14	2 - high priority
55-05	1P	Kennedy Drive	Quinebaug River	2	2	3	3	1		1	12	2 - high priority
55-06	1P	Quinnebaug Ave	Quinebaug River	2	2	3	4	2		1	14	2 - high priority
55-07	1P	Kennedy Drive	Quinebaug River	2	2	3	2	1		1	11	2 - high priority
55-08	1P	Park Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
55-09	1P	Kennedy Drive	Quinebaug River	2	2	3	3	2		1	13	2 - high priority
55-10	1P	River Road	Quinebaug River	2	2	0	2	1		1	8	3 - low priority
56-02	1P	South Main Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
56-03	1P	South Main Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
56-04	1P	Heritage Road	Perry Brook	0	2	0	4	1		1	8	3 - low priority
56-05	1P	Heritage Road	Perry Brook	0	2	0	3	1		1	7	3 - low priority

Table	6-1 0	CATCHMENT ASS	ESSMENT AND PI		ANKING MATRIX							
						Discharging]	Priority Ranking (7)
					Within Priority	To Area of	1		Previous			1 - problem
				Receiving	area with DCIA	Concern to		Density of	Screening	System		2 - high priority
			Receiving	Water	> 11%, urbanized, or	Public	Connectivity	Generating	Indicated	Vulnerability		3 - low priority
GIS#	Туре	Street	Water Body	Quality (1)	impaired water body	Health (2)	level (3)	Sites (4)	Sewage (5)	Factor (6)	Score	4 - excluded
56-06	1P	Heritage Road	Perry Brook	0	2	0	4	1		1	8	3 - low priority
56-08	1P	Memorial Terrace	Perry Brook	0	2	0	3	1		1	7	3 - low priority
67-02	1P	Kelsies Way	Quinebaug River	2	2	0	3	1		0	8	3 - low priority
68-01	1P	River Road	Quinebaug River	2	2	0	1	1		1	7	3 - low priority
68-02	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
69-01	1P	Kennedy Drive	Quinebaug River	2	2	0	4	1		1	10	3 - low priority
69-03	1P	South Main Street	Culver Brook	0	2	0	3	1		1	7	3 - low priority
69-04	1P	South Main Street	Culver Brook	0	2	0	3	1		1	7	3 - low priority
69-05	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
69-06	1P	Kennedy Drive	Quinebaug River	2	2	3	4	1		1	13	2 - high priority
80-02	1P	St. James Place	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
82-01	1P	Park Street	Culver Brook	0	2	0	4	3		1	10	3 - low priority
82-02	1P	Park Street	Culver Brook	0	2	0	4	3		1	10	3 - low priority
82-03	1P	Kennedy Drive	Quinebaug River	2	2	0	4	1		1	10	3 - low priority
82-04	1P	Kennedy Drive	Quinebaug River	2	2	0	4	1		1	10	3 - low priority
82-05	1P	Kennedy Drive	Quinebaug River	2	2	0	4	1		1	10	3 - low priority
82-06	1P	Park Road	Quinebaug River	2	2	0	3	3		1	11	2 - high priority
83-04	1P	Industrial Park Road	Culver Brook	0	2	0	3	3		0	8	3 - low priority
90-01	1P	Modock Road	Durkee Brook	0	2	0	3	1		1	7	3 - low priority
92-01	1P	Park Road	Quinebaug River	2	2	0	3	3		1	11	2 - high priority
92-02	1P	Park Road	Quinebaug River	2	2	0	2	1		1	8	3 - low priority
92-03	1P	Park Road	Quinebaug River	2	2	3	3	3		0	13	2 - high priority
93-02	1P	Industrial Park Road	Quinebaug River	2	2	0	4	3		1	12	2 - high priority
8-01	2N	Thurber Road	Lippitts Brook	0	0	0	3	1		1	5	3 - low priority
8-02	2N	Thurber Road	Lippitts Brook	0	0	0	1	1		1	3	4 - excluded
8-03	2N	Thurber Road	Quinebaug River	2	0	0	1	1		1	5	3 - low priority
8-04	2N	Thurber Road	Lippitts Brook	0	0	0	1	1		1	3	3 - low priority
104-01	2N	River Road	Carpenter Brook	0	0	0	1	1		1	3	4 - excluded
20-02	2N	Mary Crest Drive	Lippitts Brook	0	0	0	3	1		1	5	3 - low priority
21-01	2N	Thurber Road	Lippitts Brook	0	0	0	3	1		1	5	3 - low priority
22-01	2N	Elvira Heights	Munson Brook	0	0	0	3	1		1	5	3 - low priority
22-02	2N	Elvira Heights	Munson Brook	0	0	0	2	1		1	4	3 - low priority
22-03	2N	Elvira Heights	Munson Brook	0	0	0	3	1		1	5	3 - low priority
22-04	2N	Elvira Heights	Munson Brook	0	0	0	2	1		1	4	3 - low priority
31-03	2N	Walnut Road	Perry Brook	0	0	0	3	1		1	5	3 - low priority
31-04	2N	Walnut Street	Perry Brook	0	0	0	3	1		1	5	3 - low priority
31-05	2N	Walnut Street	Perry Brook	0	0	0	3	1		1	5	3 - low priority
31-06	2N	Walnut Street	Perry Brook	0	0	0	3	1		1	5	3 - low priority
31-07	2N	Walnut Road	Perry Brook	0	0	0	2	1		1	4	3 - low priority

Table	6-1 (CATCHMENT ASS	ESSMENT AND PR		ANKING MATRIX		<u>e</u>					
						Discharging						Priority Ranking (7)
					Within Priority	To Area of	0		Previous			1 - problem
				Receiving	area with DCIA	Concern to		Density of	Screening	System		2 - high priority
-			Receiving	Water	> 11%, urbanized, or	Public	Connectivity	Generating	Indicated	Vulnerability	-	3 - low priority
GIS#	Туре	e Street	Water Body	Quality (1)	impaired water body	Health (2)	level (3)	Sites (4)	Sewage (5)	Factor (6)	Score	4 - excluded
31-08	2N	Walnut Road	Perry Brook	0	0	0	2	1		1	4	3 - low priority
31-10	2N	Walnut Road	Perry Brook	0	0	0	2	1		1	4	3 - low priority
46-01	2N	Aldrich Road	Tavern Brk Pond No1	0	0	0	3	1		1	5	3 - low priority
57-01	2N	Shepards Lane	Perry Brook	0	0	0	3	1		1	5	3 - low priority
57-02	2N	Heritage Road	Perry Brook	0	0	0	3	1		1	5	3 - low priority
57-03	2N	Heritage Road	Perry Brook	0	0	0	3	1		1	5	3 - low priority
57-04	2N	Heritage Road	Perry Brook	0	0	0	3	1		1	5	3 - low priority
58-01	2N	Heritage Road	Culver Brook	0	0	0	3	1		2	6	3 - low priority
58-02	2N	Heritage Road	Culver Brook	0	0	0	3	1		2	6	3 - low priority
58-03	2N	Heritage Road	Culver Brook	0	0	0	3	1		2	6	3 - low priority
63-01	2N	Brookside Landing	Cady Brook	0	0	0	2	1		1	4	3 - low priority
71-01	2N	Heritage Road	Culver Brook	0	0	0	3	1		2	6	3 - low priority
72-03	2N	Five Mile River Road	Tavern Brk Pond No1	0	0	0	2	1		1	4	3 - low priority
72-04	2N	Five Mile River Road	Tavern Brk Pond No1	0	0	0	2	1		2	5	3 - low priority
72-05	2N	5 Mile River Road	Tavern Brk Pond No1	0	0	0	2	1		2	5	3 - low priority
75-01	2N	River Junction Estates	Five Mile River	0	0	0	2	1		0	3	3 - low priority
75-02	2N	River Junction Estates	Five Mile River	0	0	0	2	1		0	3	3 - low priority
76-01	2N	Chase Road	Five Mile River	0	0	0	2	1		1	4	3 - low priority
80-01	2N	Mantup Road	Carpenter Brook	0	0	0	2	1		2	5	3 - low priority
83-02	2N	Killingly Ave/Rte 12	Culver Brook	0	0	0	2	1		1	4	3 - low priority
83-05	2N	Industrial Park Road	Culver Brook	0	0	0	3	2		0	5	3 - low priority
83-06	2N	Highland Drive	Culver Brook	0	0	0	3	3		1	7	3 - low priority
84-01	2N	Hurry Hill Road	Culver Brook	0	0	0	3	1		2	6	3 - low priority
84-02	2N	DeCubellis Court	Culver Brook	0	0	0	3	1		1	5	3 - low priority
84-03	2N	Paula Road	Culver Brook	0	0	0	3	1		1	5	3 - low priority
93-01	2N	Highland Drive	Culver Brook	0	0	0	3	3		. 1	7	3 - low priority
94-02	2N	Killingly Ave/Rte 12	Labonte Pond	0	0	0	2	1		1	4	3 - low priority
94-03	2N	Pierce Road	LaBonte Pond	0	0	0	2	1		1	4	3 - low priority
94-04	2N	Pierce Road	LaBonte Pond	0	0	0	2	1		2	5	3 - low priority
95-01	2N	Aspinock Road	Aspinock Brook	0	0	0	2	1		1	4	3 - low priority
					Î			1				
Colors:												
	Orar	nge= interconnected mu	nicipal/State drainage	System								
Abbrevi												
	Туре	: 1P = Priority catchme	nt due to urbanized are	a, impaired w	vater body of DCIA >11	%						
		2N = not a priority cate	chment									
	DCIA	A = directly connected ir	npervious area				Y					
	SSO	= Sanitary Sewer Over	flow									

Table	6-1 C	ATCHMENT ASS	ESSMENT AND PI		ANKING MATRIX			-				
Table						Discharging						Priority Ranking (7)
			1		Within Priority	To Area of	6		Previous			1 - problem
				Receiving	area with DCIA	Concern to		Density of	Screening	System		2 - high priority
			Receiving	Water	> 11%, urbanized, or	Public	Connectivity	Generating	Indicated	Vulnerability	-	3 - low priority
GIS#	Type	Street	Water Body	Quality (1)	impaired water body	Health (2)	level (3)	Sites (4)	Sewage (5)	Factor (6)	Score	4 - excluded
Controlet to Jing, 2017	SVF=	System Vulnerability	Factor						Ŭ ()			
	Sourc	es: GIS Maps. Catchr	ment inspections & San	nple Results.	, Municipal Staff. CT DE	EP. Impaired v	vaters list. Visu	al Observatio	on. Aerial Ph	otography, NI	DDH Sta	aff
						CTOL D ADDARD BORNARD STOLEN. 100						JANE:
			2	5	C		P.					
	SCOF	RING CRITERIA			х А							
-	(1) R	eceiving water quality	based on latest version	of State of C	Connecticut Integrated \	Nater Quality F	Report.					
		• Poor = Waters with	approved TMDLs (Cate	egory 4a Wate	ers) where illicit dischar	des have the r	otential to con	tain the pollu	tant identifie	d as the caus	e of the	impairment
	2	 Fair = Water quality 	limited waterbodies that	at receive a di	scharge from the MS4	(Category 5 w	aters)					
		 Good = No water qu 	uality impairments			(-	
					()		E.					
-	(2) Ca	atchments that dischar	rae to or in the vicinity o	f any of the fo	u ollowing areas: public b	eaches recrea	i ational areas o	Irinking water	supplies o	r shellfish bed	S	
	(2) 00	In Putnam this consist	ts of outfalls within 200	of the Little F	iver north of Recreatio	n Park Rd wit	hin 200' of the	Quinebaug F	iver betwee	n Providence	Street a	and
	3							Guinebuugi				
		Carpenter Brook and	within 500' of the Park	Road well fie	l		7					
	(3) (0	onnectivity Level for D	CIA calculations using (Intion 2:				-				
		5 - Fully Connected 1	00% storm sewered wi	th all IC DOU	I ∆ % = IC%		Ð					
		4 - Highly Connected	mostly storm sewered	with curb and	autter residential roof	tons connecter	to MS4 DCM	$\Delta \% = 0.4(\%)($				
		3 - Average Mostly st	orm sewered with curb	and gutter re	sidential rooftons NOT	connected to	MSA DCIA%	$\frac{100}{100} = 0.4(100)$	5			
		2 - Partially Connected	d 50% storm sewered	with some inf	iltration and residential	rooftons not co	nnected to M	= 0.1(700) + 100	 0.04(%IC)^1	7		
		1 - Slightly Connected	L small % of urban stor	m sewered or	mostly infiltration DCI							
·		T - Olightly Connected					/ _					
	(A) C	operating sites are ins	titutional municipal co	mmoreial or	inductrial citor with a n	otantial to cont	l tributo to illicit (discharges (a	d car doal	ors, cor wosh		
	(4) 3	as stations, darden of	contors, industrial manu	facturing etc				discharges (e	.g., car uear	ers, car wash	-3,	
		gas stations, garden t	enters, industrial manu	liacturing, etc	.) I		-					
-	(5) Dr	ovious scrooping rocu	lts indicata likoly cowor	input if any o	the following are true:							
		· Olfactory or visual or	uidanca of cowogo	Input Ir any 0	l the following are true.							
		· Ammonia > 0.5 mg/l	surfactants >0.25 mg	/ and bacter	 ria lovels greater than t	he water qualit	l v criteria appli	coble to the r	eceiving wat	er or		
-		Ammonia ≥ 0.5 mg/L	_, surfactants ≥0.25 mg	/L, and dated	table levels greater than t	ne water qualit	у спісна аррії. Т					
	1	· Animonia 2 0.5 mg/L	_, sunaciants ≥0.25 mg	, and delec			0					
			have in almale, the faller via	,								
	(b) Sy	stem vulnerability faci	tors include the followin	g six factors.			-					
	, i i i i i i i i i i i i i i i i i i i	• HISLOLY OF SSU'S								ta was alwa in		
	4	Increased potential I	or SSU's due to comm	on trench con	struction, storm/sanitar	y pipe crossing	gs where same	ary system is	above the s	torm drain		
		system, sanitary sev	ver alignments construc	ctea with unde	erdrains, inadequate se	wer line capac	sity.					
	1	· Sanitary Infrastructu	re Detects				0					
	a	· Sanitary and Stormo	Irain Infrastructure > 40	years old			T.					
		HISTORY OF NUDH AC	tions Addressing Septie	c ⊢ailure		1	1 1	1 1 1 1 1			ļ	
		• Septic systems in ar	eas with limited suitabil	ity for subsurf	ace sewage disposal s	uch as small lo	ots, nign groun	awater, shall	ow leage, et	0.	 	
		I hese factors are sun	nmarized in Table 8-1, o	outall catchme	ent system vulnerability	ractor (SVF) ii	nventory.					