

Table 6-1 CATCHMENT ASSESSMENT AND PRIORITY RANKING MATRIX												
GIS #	Type	Street	Receiving Water Body	Receiving Water Quality (1)	Within Priority area with DCIA > 11%, urbanized, or impaired water body	Discharging To Area of Public Health (2)	Connectivity level (3)	Density of Generating Sites (4)	Screening Indicated Sewage (5)	System Vulnerability Factor (6)	Score	Priority Ranking (7)
												1 - problem
				Poor = 3	yes (1P) = 2	Yes = 3	Fully = 5	High = 3	(Problem Catchment) No = 0	Score =		
Scoring				Fair = 2	No (2N) = 0	No = 0	Highly = 4	High = 3	Medium = 2	Number of		
				Good = 0			Average = 3	Low = 1	No = 0	Yes answers		
							Partially = 2			in Table 8-1		
							Slightly = 1					
1-01	1P	Woodstock Avenue	Little River	3	2	0	3	1		1	10	3 - low priority
1-02	1P	Woodstock Avenue	Little River	3	2	0	3	1		1	10	3 - low priority
1-03	1P	Woodstock Ave #1	Little River	3	2	0	3	1		1	10	3 - low priority
2-01	1P	Woodstock Avenue	Little River	3	2	0	3	1		1	10	3 - low priority
2-02	1P	Labossiere Street	Little River	3	2	0	3	1		1	10	3 - low priority
2-03	1P	Latici Street	Wheaton Brook	2	2	0	3	1		1	9	3 - low priority
2-04	1P	Viens Street	Wheaton Brook	2	2	0	3	1		1	9	3 - low priority
2-05	1P	Meyers Street	Wheaton Brook	2	2	0	3	1		1	9	3 - low priority
2-06	1P	Meyers Street	Wheaton Brook	2	2	0	3	1		1	9	3 - low priority
3-01	1P	Bibeault Street	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-02	1P	David Circle	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-03	1P	David Circle	Quinebaug River	2	2	0	3	1		1	9	3 - low priority
3-04	1P	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		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		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

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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

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												1 - problem
												2 - high priority
												3 - low priority
												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

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												1 - problem
												2 - high priority
												3 - low priority
												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
Colors:												
Orange= interconnected municipal/State drainage System												
Abbrevi :												
Type: 1P = Priority catchment due to urbanized area, impaired water body of DCIA >11%												
2N = not a priority catchment												
DCIA = directly connected impervious area												
SSO = Sanitary Sewer Overflow												

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SVF= System Vulnerability Factor												
Sources: GIS Maps, Catchment inspections & Sample Results, Municipal Staff, CT DEEP, Impaired waters list, Visual Observation, Aerial Photography, NDDH Staff												
SCORING CRITERIA												
(1) Receiving water quality based on latest version of State of Connecticut Integrated Water Quality Report.												
<ul style="list-style-type: none"> · Poor = Waters with approved TMDLs (Category 4a Waters) where illicit discharges have the potential to contain the pollutant identified as the cause of the impairment · Fair = Water quality limited waterbodies that receive a discharge from the MS4 (Category 5 waters) · Good = No water quality impairments 												
(2) Catchments that discharge to or in the vicinity of any of the following areas: public beaches, recreational areas, drinking water supplies, or shellfish beds												
In Putnam this consists of outfalls within 200' of the Little River north of Recreation Park Rd, within 200' of the Quinebaug River between Providence Street and Carpenter Brook, and within 500' of the Park Road well field												
(3) Connectivity Level for DCIA calculations using Option 2:												
5 - Fully Connected, 100% storm sewered with all IC, DCIA % = IC%												
4 - Highly Connected, mostly storm sewered with curb and gutter, residential rooftops connected to MS4, DCIA% = 0.4(%IC)^1.2												
3 - Average, Mostly storm sewered with curb and gutter, residential rooftops NOT connected to MS4, DCIA% = 0.1(%IC)^1.5												
2 - Partially Connected, 50% storm sewered with some infiltration and residential rooftops not connected to MS4, DCIA% = 0.04(%IC)^1.7												
1 - Slightly Connected, small % of urban storm sewered or mostly infiltration, DCIA%=0.01(IC%)^2												
(4) Generating sites are institutional, municipal, commercial, or industrial sites with a potential to contribute to illicit discharges (e.g., car dealers, car washes, gas stations, garden centers, industrial manufacturing, etc.)												
(5) Previous screening results indicate likely sewer input if any of the following are true:												
<ul style="list-style-type: none"> · Olfactory or visual evidence of sewage · Ammonia ≥ 0.5 mg/L, surfactants ≥0.25 mg/L, and bacteria levels greater than the water quality criteria applicable to the receiving water, or · Ammonia ≥ 0.5 mg/L, surfactants ≥0.25 mg/L, and detectable levels of chlorine 												
(6) System vulnerability factors include the following six factors:												
<ul style="list-style-type: none"> · History of SSO's · Increased potential for SSO's due to common trench construction, storm/sanitary pipe crossings where sanitary system is above the storm drain system, sanitary sewer alignments constructed with underdrains, inadequate sewer line capacity. · Sanitary Infrastructure Defects · Sanitary and Stormdrain Infrastructure > 40 years old · History of NDDH Actions Addressing Septic Failure · Septic systems in areas with limited suitability for subsurface sewage disposal such as small lots, high groundwater, shallow ledge, etc. 												
These factors are summarized in Table 8-1, outfall catchment system vulnerability factor (SVF) inventory.												