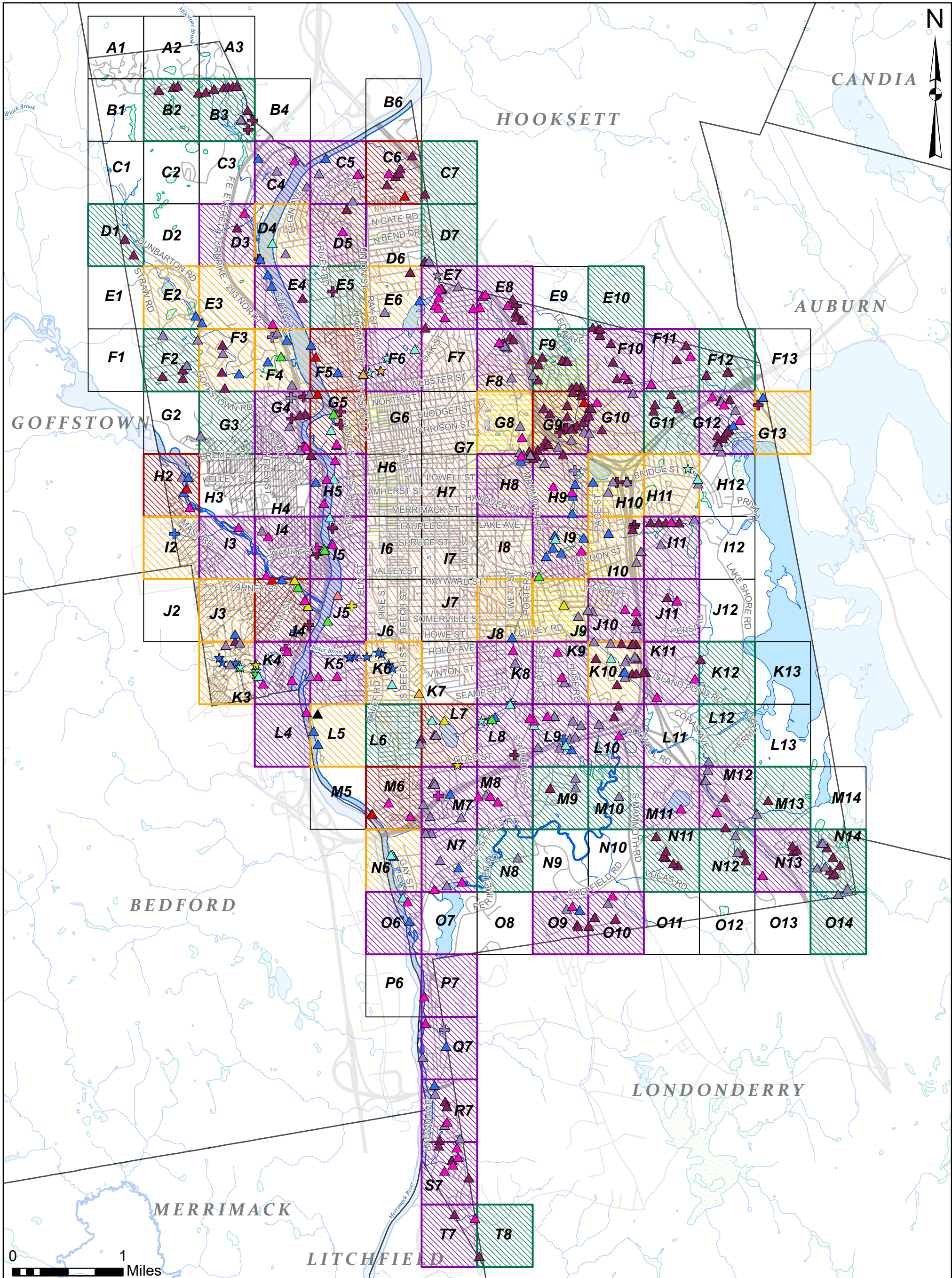


Appendix D

IDDE Outfall Classification/Ranking & Vulnerability



Legend

Prioritization Score:

- Top Priority
- Second Priority
- 7
- 6
- 5
- 4

- 3
- 2
- 1
- Low Priority
- Drain to Underground Stream
- Interconnection
- Outfall

Priority by Tile:

- Highest
- High
- Medium
- Low
- Local Roads
- State or Interstate

Combined Sewer

- Previously CSO
- Recombined Sewer
- Pond, Reservoir
- Swamp, Marsh
- Stream, River

Stormwater Map with
Prioritized Outfalls and Areas
Manchester, NH



Comprehensive
Environmental
Incorporated

Note: High priority outfalls are ranked 1-7 with 7 being the highest priority

Data Sources: GRANIT, City of Manchester, CEI

Manchester, NH IDDE Outfall Classification and Ranking, By Outfall ID # - Revised September 2021

Outfall ID	Receiving Water	Receiving Water Impairment ¹	Top Priority		Second Priority				Initial Problem Outfalls		High Priority Outfalls																		Excluded					
			Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria > WQ criteria	Ammonia ≥ 0.5 mg/L, surfactants > 0.25 mg/L, and detectable levels of chlorine	Ammonia > 0.5 mg/L	Surfactants > 0.25 mg/L	Chlorine > 0 mg/L	Bacteria > WQ criteria	Known or suspected contributions of illicit discharges	Olfactory or visual evidence of sewage	Discharge to/near public beach	Discharge to/near recreational area	Discharge to/near drinking water supply	Discharge to/near shellfish beds	Past Discharge Complaints	Density of Generating Sites ²						Age of development >40 years old and infrastructure		Catchment areas serviced by septic systems converted to sewer	Historic combined sewer system that has been separated	Density of septic systems ≥30 years old in residential land use	Culverted stream lengths greater than a simple roadway crossing	Discharge to impaired water & potential to carry that pollutant	Presence of older industrial operations	Roadway drainage in undeveloped areas with no dwellings and no sanitary sewers	Outfall is drainage for athletic fields, parks or undeveloped green space & associated parking without services	Cross-country drainage alignments through undeveloped land		
																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old											
DOU-101018																															Low	0		
DOU-101025	NHRIV700060804-08 Watts Brook	Hg				x																									2nd Priority	1		
DOU-101063																															Low	0		
DOU-101116																															Low	0		
DOU-101117																															Low	0		
DOU-101124	NHRIV700060804-11 Merrimack River	E. coli, Hg																									x				High	1		
DOU-101150	NHRIV700060804-06 Unnamed Brook to Merrimack River	Hg																													Low	0		
DOU-101157						x																									2nd Priority	1		
DOU-101220	Unnamed wetland on Brent St near Surrey Ln	None				x	x																								2nd Priority	2		
DOU-101245						x	x																								2nd Priority	2		
DOU-101257																				x											High	1	FW Webb Company Distribution Center - Disturbed land	
DOU-101259	NHRIV700060804-05 Little Cohas Brook - Unnamed Brook	Benthic, Iron,																			x						x				High	2		
DOU-101286																		x				x									High	2	Irving Oil	
DOU-101362																						x									High	1		
DOU-101443	below dam	Hg																				x									High	1		
DOU-101446																				x		x									High	2	Ryder Truck Rental	
DOU-101650																															Low	0		
DOU-101651																															Low	0		
DOU-101709	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1		
DOU-101713																															Low	0		
DOU-101716	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1		
DOU-101724																															Low	0		
DOU-101738	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1		
DOU-102009																															Low	0		
DOU-102020																															Low	0		
DOU-102021																															Low	0		
DOU-102058						x	x																								2nd Priority	2		
DOU-102121																		x			x		x								High	3	Mobil and Shell gas stations	
DOU-102148																				x											High	2	Schleuniger Inc. machining manufacturer	
DOU-102193							x																	x							2nd Priority	3	Calef Road Fire Station, combined sewer area	
DOU-102239																															High	1		
DOU-102240																															High	1		
DOU-102244																															High	1		
DOU-102245																															High	1		
DOU-102249					x	x										x					x		x				x					2nd Priority	6	Sunbelt Equipment Rentals, E&R Laundry&Dry Cleaners, FiveStar ServiCenter auto repair shop
DOU-102397					x	x															x											2nd Priority	3	Strip Mall (Chuck E. Cheese, Texas Roadhouse, Hobby Lobby, Staples, Jared)
DOU-102399																x															High	1	Team Nissan	
DOU-102404																						x									High	1		
DOU-102413						x	x									x					x										2nd Priority	4	CarMax, Ira Toyota	
DOU-102433																															Low	0		
DOU-102527	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x	x			High	3		
DOU-102528	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x			x						High	3		
DOU-102546	NHRIV700060803-14-02 Merrimack River	Aluminum, pH				x																			x						2nd Priority	3	E. Coli-1300 CFU/100ml (NHDES 2005, MER-3040)	
DOU-102632																x						x									High	2	AHC Corporation - Truck Dealer	
DOU-102648	NHLAK700060703-04 Pine Island Pond	DO, Hg, pH,				x																x					x				2nd Priority	3		
DOU-102655	NHLAK700060703-04 Pine Island Pond	DO, Hg, pH,																									x				High	1		
DOU-102656	NHLAK700060703-04 Pine Island Pond	DO, Hg, pH,			x																	x					x				2nd Priority	3		
DOU-102736																		x													High	1	MEGA-X gas station	
DOU-102737						x														x		x									2nd Priority	3	Sammina Corporation electronics manufacturer	
DOU-102767						x	x																								2nd Priority	2		
DOU-102806																															Low	0		
DOU-102810																															Low	0		
DOU-102813	Unnamed pond near end of Primrose Dr	None																													Low	0		

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																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old										
DOU-102827																															Low	0	
DOU-102841																															Low	0	
DOU-102844																					x										High	1	Millennium Precision machine shop
DOU-102870																															Low	0	
DOU-102872																															Low	0	
DOU-102897																															Low	0	
DOU-102901																															Low	0	
DOU-102909																															Low	0	
DOU-102954																															Low	0	
DOU-103026						x		x														x									2nd Priority	3	
DOU-103079	below dam	Hg																				x									High	1	
DOU-103080	below dam	Hg																				x									High	1	
DOU-103196	NHRIV700060803-14-02 Merrimack River	Aluminum, pH				x		x														x					x				2nd Priority	4	
DOU-103197	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																				x					x				High	2	
DOU-103199																													x		Excluded	1	
DOU-103234																						x									High	1	
DOU-103449	NHRIV700060803-08 Baker Brook	Chloride, Hg																				x			x						High	3	
DOU-103591	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1	
DOU-103592	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1	
DOU-103595	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1	
DOU-103615	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x				High	1	
DOU-103706	NHRIV700060803-16 McQuesten Brook	Hg, pH				x												x				x					x				2nd Priority	4	Mobil
DOU-103748	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																				x					x				High	2	
DOU-103773	NHLAK700060803-01 Nutt Pond	Chloride, Chlorophyll-a,														x					x			x			x				High	5	Town Fair Tire, Pep Boys Auto Parts & Service, Sullivan Tire & Auto Service, Strip Mall
DOU-103790																						x									High	1	
DOU-103844	NHRIV700060803-08 Baker Brook	Chloride, Hg														x		x			x				x			x			High	6	U-Haul Supercenter, Manchester Commons Shopping Center, Precision Imports auto repair, Sterling Auto Works, Inc, Avis Car Rental, Budget Gas
DOU-103847	NHRIV700060803-08 Baker Brook	Chloride, Hg																				x			x						High	3	
DOU-104040	NHRIV700060803-15 Humphrey Brook	Chloride, Hg														x		x				x					x				High	4	Mobil, Quirk Volkswagen
DOU-104046	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x				High	2	
DOU-104049																						x									High	1	
DOU-104053																						x									High	1	
DOU-104056																						x									High	1	
DOU-104058																						x									High	1	
DOU-104064	NHRIV700060703-08 Cohas Brook	Hg, pH				x		x																			x				2nd Priority	3	
DOU-104065	NHRIV700060703-08 Cohas Brook	Hg, pH				x																x					x				2nd Priority	3	
DOU-104070						x		x		x												x									2nd Priority	4	
DOU-104084	NHRIV700060703-08 Cohas Brook	Hg, pH														x						x					x				High	3	Quirk Chevrolet
DOU-104116	NHRIV700060703-08 Cohas Brook	Hg, pH				x		x																			x				2nd Priority	3	
DOU-104208																						x									High	1	
DOU-104218																															Low	0	
DOU-104369	NHRIV700060703-08 Cohas Brook	Hg, pH														x						x					x				High	3	Quirk Kia
DOU-104388																						x									High	1	
DOU-104392	NHRIV700060703-08 Cohas Brook	Hg, pH																				x					x				High	2	
DOU-104393																						x									High	1	
DOU-104508																						x									High	1	
DOU-104512					x	x										x	x				x		x								2nd Priority	6	Kerner's Self Service Car Wash, Auto Consignments and Sales, Budget Truck Rental, Infinity Carwash,
DOU-104676	NHLAK700060703-02-01 Crystal Lake	DO, Hg				x																					x				2nd Priority	2	
DOU-104679						x		x																							2nd Priority	2	
DOU-104690																															Low	0	
DOU-105119	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH				x																x					x				2nd Priority	3	
DOU-105128	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH														x		x			x		x			x					High	5	Second Street Mobil, South Main Street Fire Station 2, Strip Mall, Enterprise Rent-A-Car

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																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old												
DOU-105268	Cemetery	Hg																				x										High	1		
DOU-105300						x																										2nd Priority	1		
DOU-105304	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																									x					High	1		
DOU-105324	NHRIV700060803-16 McQuesten Brook	Hg, pH																				x				x	x					High	3		
DOU-105754	NHRIV700060803-15 Humphrey Brook	Chloride, Hg				x																x		x		x						2nd Priority	4		
DOU-105911	Unnamed wetland off end of Gordon St	None																				x		x								High	1		
DOU-105996																x		x			x	x		x								High	5	Candia Road Automotive Repair, Speedway, Still's Power Equipment shop and Turf Depot	
DOU-106000																						x										High	1		
DOU-106006																						x										High	1		
DOU-106766	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																x			x	x					x					High	4	Douglas Automotive repair shop, 7-11,	
DOU-106799	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH																			x	x					x					High	3	Arms Park Shopping Center (Strip mall), E. Coli-420 CFU/100ml (NHDES 2005, MER-2010)	
DOU-106823	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																				x					x					High	2	Sewage smell, E. Coli-100 CFU/100ml (NHDES 2005, MER-2150)	
DOU-106941	NHRIV700060803-14-02 Merrimack River	Aluminum, pH				x															x	x				x						2nd Priority	4	Auto City Collision Repair Center	
DOU-107324	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH				x										x						x				x						2nd Priority	4	Carroll Street Auto used car dealer	
DOU-108210	Unnamed wetland near end of Trinity St	None																			x	x										High	2	Monroe Auto Service	
DOU-108229	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																								x						High	1		
DOU-108237	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x				x						High	2		
DOU-108284	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x				x						High	2		
DOU-108305						x		x														x										2nd Priority	3		
DOU-108654	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																x				x		x		x						High	4	HEAVENS GAS	
DOU-108712																																	Low	0	
DOU-108713																																	Low	0	
DOU-108715																																	Low	0	
DOU-108718																						x											High	1	
DOU-108755																																	Low	0	
DOU-108823																						x											High	1	
DOU-108824																																	Low	0	
DOU-108832						x			x													x											2nd Priority	3	
DOU-108878						x		x	x													x											2nd Priority	4	
DOU-108880	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																		x													High	1	Temco Tool Co Inc machine shop
DOU-108881	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg				x														x													2nd Priority	2	Hitachi Cable America manufacturer
DOU-108901																																	Low	0	
DOU-108902	NHRIV700060703-08 Cohas Brook	Hg, pH																									x						High	1	
DOU-108917																																	Low	0	
DOU-108923																																	Low	0	
DOU-108924																																	Low	0	
DOU-108925																																	Low	0	
DOU-108949	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																															Low	0	
DOU-108978	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg				x		x																									2nd Priority	2	
DOU-109052																						x		x									High	2	
DOU-109096																																	Low	0	
DOU-109223																						x											High	1	
DOU-109224																						x											High	1	
DOU-109225																						x											High	1	
DOU-109237	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																															Low	0	
DOU-109242																						x											High	1	
DOU-109256	Unnamed wetland east of I-93, south of Hanover St	None																															Low	0	
DOU-109400	NHLAK700060607-02 Namaske Lake	P, E. coli, Hg,																									x						High	1	
DOU-109404	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH	x	x	x	x	x	x												x	x	x					x						Top Priority	10	Bob&Sons Automotive, Granite Street Manufacturing, Mom's Garage, Kelley Street Garage
DOU-109407	NHLAK700060607-02 Namaske Lake	P, E. coli, Hg,																				x				x							High	2	
DOU-109769	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																				x		x		x							High	3	
DOU-109916																					x	x											High	2	Manchester Fire Department Station 6, Shop Drop & Dry Laundromat

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DOU-110031																						x										High	1		
DOU-110291	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH					x											x	x									x				2nd Priority	4	Mobil, PRO Landscape Supply, Sewage smell with E.coli at 10 CFU/100ml (NHDES 2005, MER-2980)	
DOU-110309						x																x										2nd Priority	2		
DOU-110349	NHRIV700060803-14-01 Merrimack River - Amoskeag Dam Bypass	Hg				x																x										2nd Priority	2		
DOU-110363																					x		x									High	2	E&R Laundry & Dry Cleaners, Covenant Fire Protection LLC,	
DOU-110382																						x										High	1		
DOU-110501	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH																				x						x				High	2		
DOU-110768	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH			x	x	x														x		x					x				2nd Priority	6	McGregor Street Parking/Business Park/Apartment Complex, E. Coli-660 CFU/100ml, Sewage Smell (NHDES 2005, MER-1810). Water Quality exceedances were on different day.	
DOU-111614	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x					High	2		
DOU-111619					x	x															x		x									2nd Priority	4	Derryfield County Club/Golf Course	
DOU-111713	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-111714	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-111718	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-111719	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-111728						x																x										2nd Priority	2		
DOU-111737																						x										High	1		
DOU-111743																						x										High	1		
DOU-111745																						x										High	1		
DOU-111747																						x										High	1		
DOU-111749																						x										Low	0		
DOU-111756	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																				x										High	1		
DOU-111764	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																				x										High	1		
DOU-111786																																	Low	0	
DOU-111787																																	Low	0	
DOU-111797					x	x																x										2nd Priority	3		
DOU-111799																																	Low	0	
DOU-111817																					x		x									High	2	Mammoth Road Fire Station 10	
DOU-111825																						x										High	1		
DOU-111863												x										x										High	2	Stevens Pond Park/Tom Padden Field	
DOU-112131	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x					High	2		
DOU-112136	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x					High	2		
DOU-112137	NHRIV700060803-15 Humphrey Brook	Chloride, Hg				x																					x					2nd Priority	2		
DOU-112207	Unnamed wetland on Joseph St Ext	None																															Low	0	
DOU-112208	Unnamed pond south of Phillip St	None														x																High	1	Grace Limousine	
DOU-112212	Unnamed pond south of Phillip St	None																															Low	0	
DOU-112214	Unnamed pond south of Phillip St	None																															Low	0	
DOU-112418	NHRIV700060801-05-02 Black Brook	pH										x				x						x					x					High	4	Blodget Park, JJ'sAuto Sales and Repair	
DOU-112419	Unnamed wetland in Blodget park	None										x										x										High	2	Blodget Park	
DOU-112421	NHRIV700060801-05-02 Black Brook	pH																				x					x					High	2		
DOU-112425																																	Low	0	
DOU-112459	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg	x		x	x		x														x					x						Top Priority	6	
DOU-112471																																	Low	0	
DOU-112501	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg		x	x	x	x											x				x					x						Top Priority	7	Sunoco
DOU-112529																						x											High	1	
DOU-112570																						x											High	1	
DOU-112612	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg																x			x		x		x		x	x					High	6	Cumberland Farms, Cleary Cleaners, Budget Gas and Garage
DOU-112715	NHRIV700060801-05-02 Black Brook	pH																									x						High	1	
DOU-112802	NHRIV700060803-14-01 Merrimack River - Amoskeag Dam Bypass	Hg														x						x			x							High	3	Army National Guard vehicle lot	
DOU-112819																						x											High	1	
DOU-112865																																	Low	0	
DOU-112867																																	Low	0	
DOU-112883	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg														x						x			x		x						High	4	WhyNotLeaselt, LLC corporate campus/parking lot

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																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old												
DOU-113328																						x											High	1	
DOU-113347																						x											Low	0	
DOU-113348				x	x	x	x																										Top Priority	4	
DOU-113349																																	Low	0	
DOU-113350																																	Low	0	
DOU-113356																						x											High	1	
DOU-113370	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-113437																																	Low	0	
DOU-113634																						x											High	1	
DOU-113650	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-113652	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-113653																																	Low	0	
DOU-113664																						x											High	1	
DOU-113689																																	Low	0	
DOU-113708	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-113709	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																															Low	0	
DOU-113733	Unnamed wetland off Eastern Ave	None																				x											High	1	
DOU-113764																						x											High	1	
DOU-113778																						x											High	1	
DOU-113800																						x											High	1	
DOU-114030																																	Low	0	
DOU-114150	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																															Low	0	
DOU-114153	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																															Low	0	
DOU-114154																																	Low	0	
DOU-114161	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																															Low	0	
DOU-114162																						x											High	1	
DOU-114267																																	Low	0	
DOU-114275	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																															Low	0	
DOU-114276	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																															Low	0	
DOU-114286						x	x																										2nd Priority	2	
DOU-114294																																	Low	0	
DOU-114311	NHRIV700060702-09 Unnamed tributary to Lake Massabesic	Hg														x				x													High	2	Extra Care Auto Repair, Granite State Collision Center
DOU-114337					x															x													2nd Priority	2	NHDOT Shed
DOU-114338																					x												Low	0	114339
DOU-114339																				x													High	1	NHDOT Shed
DOU-114459	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg				x	x															x											2nd Priority	3	
DOU-114460	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg				x																											2nd Priority	1	
DOU-114541						x																											2nd Priority	1	
DOU-114592	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg																				x					x						High	2	
DOU-114594	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg																				x					x						High	2	
DOU-114635																																	Low	0	
DOU-114665																		x															High	1	Z1 Xpress
DOU-114666	NHRIV700060801-05-02 Black Brook	pH																									x						High	1	
DOU-114753																						x											High	1	
DOU-114775	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg																				x					x						High	2	
DOU-114778																																	Low	0	
DOU-114866	NHLAK700060802-01 Dorrs Pond	Chlorophyll-a,																				x					x						High	2	
DOU-114951	NHRIV700060802-13 Dorrs Pond Inlet Brook	Chloride, Hg																			x						x						High	2	Strip Mall
DOU-114952	NHRIV700060802-13 Dorrs Pond Inlet Brook	Chloride, Hg																									x						High	1	
DOU-114953	NHRIV700060802-13 Dorrs Pond Inlet Brook	Chloride, Hg																			x						x						High	2	Strip Mall
DOU-114955	NHRIV700060802-13 Dorrs Pond Inlet Brook	Chloride, Hg			x	x																					x						2nd Priority	3	
DOU-114984	NHRIV700060802-16 Dorrs Pond-E Inlet	Chloride, Hg				x		x														x					x						2nd Priority	4	
DOU-114994	NHRIV700060802-16 Dorrs Pond-E Inlet	Chloride, Hg				x		x														x					x						2nd Priority	4	

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																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old												
DOU-115004						x	x																									2nd Priority	2		
DOU-115006						x																										2nd Priority	1		
DOU-115008	NHRIV700060802-30 Unnamed tributary to Goldfish Pond	Hg				x																										2nd Priority	1		
DOU-115013					x	x																	x									2nd Priority	4	Sunoco	
DOU-115018	NHLAK700060802-04 Goldfish Pond	None																x					x									High	1		
DOU-115035	NHRIV700060802-13 Dorrs Pond Inlet Brook	Chloride, Hg				x																					x					2nd Priority	2		
DOU-115072	NHRIV700060802-30 Unnamed tributary to Goldfish Pond	Hg				x	x																x									2nd Priority	3		
DOU-115141																																	Low	0	
DOU-115196	NHRIV700060802-30 Unnamed tributary to Goldfish Pond	Hg																															Low	0	
DOU-115197	Unnamed wetland in corner of Mammoth and Smyth Rds	None																															Low	0	
DOU-115198	Unnamed wetland in corner of Mammoth and Smyth Rds	None																															Low	0	
DOU-115199	Unnamed wetland in corner of Mammoth and Smyth Rds	None																															Low	0	
DOU-115243	NHRIV700060802-30 Unnamed tributary to Goldfish Pond	Hg																															Low	0	
DOU-115247												x									x		x									High	3	U-Haul Moving and Storage, Discharges to Manchester North Seoccer Field	
DOU-115270																																	Low	0	
DOU-115304																							x										High	1	
DOU-115342																																	Low	0	
DOU-115345						x	x																									2nd Priority	2		
DOU-115348																																	Low	0	
DOU-115349																																	Low	0	
DOU-115360																							x										High	1	
DOU-115363																																	Low	0	
DOU-115464	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg																				x			x			x				High	3		
DOU-115486	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg				x																x										2nd Priority	2		
DOU-115503						x	x	x														x										2nd Priority	4		
DOU-115589	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg																															Low	0	
DOU-115616																						x										High	1		
DOU-115673																						x										High	1		
DOU-115691	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg																				x					x					High	2		
DOU-115878				x	x	x	x																									Top Priority	4		
DOU-115889																																	Low	0	
DOU-115943																																	Low	0	
DOU-115945																																	Low	0	
DOU-115946																											x						High	1	
DOU-115992	NHRIV700060802-30 Unnamed tributary to Goldfish Pond	Hg																															Low	0	
DOU-116003	NHRIV700060802-17 Unnamed tributary to Ledoux Dam	Hg																															Low	0	
DOU-116028																																	Low	0	
DOU-116083													x										x									High	2	Wellhead Protection Area - POULTRY PRODUCTS	
DOU-116123	NHRIV700060802-14-02 Merrimack River	None																				x					x					High	2		
DOU-116126	Unnamed tributary to Merrimack River above dam	None				x							x																			2nd Priority	2	Wellhead Protection Area - POULTRY PRODUCTS	
DOU-116157	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg											x																			High	1	Wellhead Protection Area - POULTRY PRODUCTS	
DOU-116158																																	Low	0	
DOU-116205																							x										High	1	
DOU-116224						x	x																x									2nd Priority	3		
DOU-116263													x																				High	1	Wellhead Protection Area - POULTRY PRODUCTS
DOU-116271																							x										High	1	
DOU-116289																							x										High	1	
DOU-116327	NHRIV700060802-11 Unnamed tributary to Merrimack River	Hg																															Low	0	
DOU-116349																																	Low	0	
DOU-116357																																	Low	0	

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																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old												
DOU-116372						x	x	x														x											2nd Priority	4	
DOU-116374																																	Low	0	
DOU-116380	NHRIV700060802-11 Unnamed tributary to Merrimack River	Hg																															Low	0	
DOU-116495																																	Low	0	
DOU-116503																																	Low	0	
DOU-116506																																	Low	0	
DOU-116513																																	Low	0	
DOU-116517	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg																															Low	0	
DOU-116536	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg																															Low	0	
DOU-116539	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg																															Low	0	
DOU-116542																																	Low	0	
DOU-116545																																	Low	0	
DOU-116640	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH				x																x					x						2nd Priority	3	
DOU-116753																						x											High	1	
DOU-116870	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH	x		x	x		x								x						x				x							Top Priority	7	Carroll Street Auto used car dealer
DOU-116966																				x		x										High	2	Old St Josephs Cemetery	
DOU-116978																																	Low	0	
DOU-117017																						x											High	1	
DOU-117026	NHRIV700060802-10 Milestone Brook - Unnamed Brook	Hg										x																					High	1	Wellhead Protection Area - POULTRY PRODUCTS
DOU-117040	NHRIV700060804-06 Unnamed Brook to Merrimack River	Hg				x																											2nd Priority	1	
DOU-117073																																	Low	0	
DOU-117087					x	x																											2nd Priority	2	
DOU-117183	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH																x			x	x					x						High	4	Piscataquog Cemetery, Budget Gas and Garage, South Main St. Fire Station 2
DOU-117291	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH																				x					x						High	2	
DOU-117480	NHRIV700060703-08 Cohas Brook	Hg, pH																									x						High	1	
DOU-117481																						x											High	1	
DOU-117681	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x						High	1	
DOU-117693																																	Low	0	
DOU-117699																																	Low	0	
DOU-117713						x	x																										2nd Priority	2	
DOU-117717																						x											High	1	
DOU-117947																				x	x												High	2	Imperial Dade, cleaning products supplier; Joseph Equipment Co, construction equipment supplier ; Summit Packaging Systems plastic manufacturer
DOU-117950	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH																		x	x						x						High	3	Imperial Dade, cleaning products supplier; Joseph Equipment Co, construction equipment supplier ; Summit Packaging Systems plastic manufacturer
DOU-117951	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH																		x	x						x						High	3	Imperial Dade, cleaning products supplier; Joseph Equipment Co, construction equipment supplier ; Summit Packaging Systems plastic manufacturer
DOU-117952	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH																		x	x						x						High	3	Imperial Dade, cleaning products supplier; Joseph Equipment Co, construction equipment supplier ; Summit Packaging Systems plastic manufacturer
DOU-118117																				x		x											High	2	Manchester Solid Waste Dropoff Facility, disturbed land
DOU-118118	NHRIV700060801-05-02 Black Brook	pH																		x							x						High	2	Manchester Solid Waste Dropoff Facility, disturbed land
DOU-118182	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH				x	x									x		x			x						x						2nd Priority	6	Mobil, D&L Auto Repair Service Center, Comet Auto Sales, J&M Detailing
DOU-118256																																	Low	0	
DOU-118259																																	Low	0	
DOU-118290	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																															Low	0	
DOU-118301																											x						High	1	
DOU-118314	NHRIV700060702-12 Unnamed tributary to Lake Massabesic	Hg										x										x					x						High	3	Wellhead Protection Area - ROCKWOOD TERRACE CONDOS
DOU-118316	NHRIV700060702-12 Unnamed tributary to Lake Massabesic	Hg																				x											High	1	
DOU-118325	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																															Low	0	118326
DOU-118326	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																															Low	0	
DOU-118327	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																															Low	0	118326

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																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old											
DOU-118421																																Low	0	
DOU-118442																																Low	0	
DOU-118443	Unnamed wetland by Candia Rd opposite Youngsville Park	None																														Low	0	
DOU-118445																																Low	0	
DOU-118450	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																														Low	0	
DOU-118457	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																														Low	0	
DOU-118458																x					x											Low	0	
DOU-118463							x	x								x	x															High	2	Granite State Collision Center, Kane's Auto Sales&Service
DOU-118501																x							x									2nd Priority	4	Kane's Auto Sales&Service, Circle T Car Wash
DOU-118525	NHRIV700060703-08 Cohas Brook	Hg, pH																									x					High	1	
DOU-118693	NHRIV700060703-05 Cohas Brook - Long Pond Brook	E. coli, Hg, Habitat Assessment,																									x					High	1	
DOU-118722	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x					High	1	
DOU-118723	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x					High	1	
DOU-118732																																Low	0	
DOU-118739	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x					High	1	
DOU-118782																																Low	0	
DOU-118803					x	x																										2nd Priority	2	
DOU-118805	Unnamed wetland on Surrey Ln	None																			x											High	1	FW Webb Company Distribution Center - Disturbed land
DOU-118841																																Low	0	
DOU-118855																																Low	0	
DOU-118861																																Low	0	
DOU-118893																							x									High	1	
DOU-118938																																Low	0	
DOU-118939																																Low	0	
DOU-118942																																Low	0	
DOU-118945																																Low	0	
DOU-118949																																Low	0	
DOU-118960																																Low	0	
DOU-118974	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																			x	x					x					High	3	East Sid e Plaza strip mall
DOU-118975	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x					High	2	
DOU-118978	Unnamed wetland on rail trail behind East Side Plaza	None									x											x										High	2	Rockingham Recreational Trail
DOU-118988	NHRIV700060703-08 Cohas Brook	Hg, pH																									x					High	1	
DOU-119072	NHRIV700060803-14-02 Merrimack River	E. coli, Hg, Aluminum, pH										x				x		x			x	x		x			x					High	7	Gulf, D&P Undercar shop, Davis Motor Services, Paul's Executive Car Care, Great US Auto Sales, Manchester Transit Authority, Merrimack River Park, E. Coli-1500 CFU/100ml (NHDES 2005, MER-1640)
DOU-119223	NHRIV700060803-14-02 Merrimack River	Aluminum, pH	x		x	x	x															x					x					Top Priority	6	E. Coli -100 CFU/100ml, Sewage smell (NHDES 2005, MER-2520)
DOU-119224	NHRIV700060803-14-02 Merrimack River	Aluminum, pH				x															x						x					2nd Priority	4	Pine Grove Cemetery, E. Coli -50 CFU/100ml
DOU-119233	NHIMP700060802-04 Merrimack River - Amoskeag Dam	E. coli, Hg																				x					x					High	2	
DOU-119261	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg																				x					x					High	2	
DOU-119296	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH				x															x	x					x					2nd Priority	4	Gill's Automotive
DOU-119298						x																x										2nd Priority	2	
DOU-119311	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																			x	x		x			x					High	4	Motorway Engineering Co machine shop
DOU-119318					x	x																x		x								2nd Priority	4	
DOU-119328	NHRIV700060802-16 Dorrs Pond-E Inlet	Chloride, Hg				x																					x					2nd Priority	2	
DOU-119460																																Low	0	
DOU-119464	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																														Low	0	
DOU-119480	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																				x					x					High	2	
DOU-119484	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																									x					High	1	
DOU-119724	NHRIV700060607-22 Piscataquog River	E. coli, Hg, pH														x		x			x	x					x					High	5	Manchester Fire Department Station 6, Shop Drop & Dry Laundromat, Serhan Auto Repair, 7-11, LG Exhaust car dealer,
DOU-119747																																Low	0	
DOU-119767																																Low	0	
DOU-119770																																Low	0	

Manchester, NH IDDE Outfall Classification and Ranking, By Outfall ID # - Revised September 2021

Outfall ID	Receiving Water	Receiving Water Impairment ¹	Top Priority		Second Priority				Initial Problem Outfalls		High Priority Outfalls																	Excluded						
			Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria > WQ criteria	Ammonia ≥ 0.5 mg/L, surfactants > 0.25 mg/L, and detectable levels of chlorine	Ammonia > 0.5 mg/L	Surfactants > 0.25 mg/L	Chlorine > 0 mg/L	Bacteria > WQ criteria	Known or suspected contributions of illicit discharges	Olfactory or visual evidence of sewage	Discharge to/near public beach	Discharge to/near recreational area	Discharge to/near drinking water supply	Discharge to/near shellfish beds	Past Discharge Complaints	Density of Generating Sites ²						Age of development >40 years old and infrastructure		Catchment areas serviced by septic systems converted to sewer	Historic combined sewer system that has been separated	Density of septic systems ≥30 years old in residential land use	Culverted stream lengths greater than a simple roadway crossing	Discharge to impaired water & potential to carry that pollutant	Presence of older industrial operations	Roadway drainage in undeveloped areas with no dwellings and no sanitary sewers	Outfall is drainage for athletic fields, parks or undeveloped green space & associated parking without services	Cross-country drainage alignments through undeveloped land		
																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old											
DOU-119787																x																High	1	Liberty International Trucks of NH, LLC
DOU-119793								x																								2nd Priority	1	
DOU-119800						x																										2nd Priority	1	
DOU-119801																																Low	0	
DOU-119808	NHRIV700060703-05 Cohas Brook - Long Pond Brook	Habitat																									x					High	1	
DOU-119809																																Low	0	
DOU-119838																																Low	0	
DOU-119856	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																														Low	0	
DOU-119861																																Low	0	
DOU-119870	NHRIV700060803-07 Humphrey Brook to Stevens Pond	Hg																														Low	0	
DOU-119873																																Low	0	
DOU-119879																																Low	0	
DOU-119880																																Low	0	
DOU-119881																																Low	0	
DOU-119888																																Low	0	
DOU-119901																																Low	0	
DOU-119950	NHRIV700060803-14-02 Merrimack River	Aluminum, pH						x												x		x					x					2nd Priority	4	General Cable manufacturer
DOU-119989																x																High	1	Anderson Equipment Company equipment rentals
DOU-119994																																Low	0	
DOU-121044																						x										High	1	
DOU-121046	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg																														Low	0	
DOU-121047	NHRIV700060703-06 Unnamed tributary to Cohas Brook	Hg				x																										2nd Priority	1	
DOU-121092																																Low	0	
DOU-121203	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																x				x					x					High	3	Gulf
DOU-121530																																Low	0	
DOU-121547	NHRIV700060703-08 Cohas Brook	Hg, pH				x																x					x					2nd Priority	3	
DOU-121553	NHRIV700060703-08 Cohas Brook	Hg, pH																									x					High	1	
DOU-121573	NHRIV700060703-08 Cohas Brook	Hg, pH																		x		x					x					High	3	Byrnes Automotive
DOU-121582																						x										High	1	
DOU-121584																						x										High	1	
DOU-121585	NHRIV700060703-08 Cohas Brook	Hg, pH																				x					x					High	2	
DOU-121591																						x										High	1	
DOU-121594	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																														Low	0	
DOU-121598	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																														Low	0	
DOU-121600	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																														Low	0	
DOU-121604	NHRIV700060802-17 Unnamed tributary to Ledoux Dam	Hg																														Low	0	
DOU-121607																																Low	0	
DOU-121609																																Low	0	
DOU-121613						x		x																								2nd Priority	2	
DOU-121622	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg				x		x																								2nd Priority	2	
DOU-121625	NHRIV700060702-04 Unnamed tributary to Lake Massabesic	Hg																			x											High	1	Granite State Collision Center
DOU-121633	NHRIV700060804-06 Unnamed Brook to Merrimack River	Hg																														Low	0	
DOU-121638	NHRIV700060804-06 Unnamed Brook to Merrimack River	Hg																														Low	0	
DOU-121646																			x													High	1	Demers Garden Center
DOU-121656	NHRIV700060804-05 Little Cohas Brook - Unnamed Brook	Benthic, Iron,			x																x		x					x				2nd Priority	4	USPS Freight Service Center
DOU-101201	NHRIV700060804-11 Merrimack River	E. coli, Hg																										x				High	1	
DOU-101411	NHRIV700060804-11 Merrimack River	E. coli, Hg																				x						x				High	2	
DOU-101670	NHRIV700060804-11 Merrimack River	E. coli, Hg				x														x		x					x					2nd Priority	4	Manchester Airport Runway
CEI-DOU-000001	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																			x		x					x				High	3	Sand Pit
CEI-DOU-000002	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																		x		x	x				x	x				High	5	Nylon Corp of America
CEI-DOU-000003	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																		x		x	x				x	x				High	5	Nylon Corp of America
CEI-DOU-000004	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																		x		x	x				x	x				High	5	Nylon Corp of America
CEI-DOU-000005	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																		x		x	x				x	x				High	5	Nylon Corp of America
CEI-DOU-000006	NHRIV700060803-14-02 Merrimack River	Aluminum, pH																				x			x		x					High	3	

Manchester, NH IDDE Outfall Classification and Ranking, By Outfall ID # - Revised September 2021

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Manchester, NH IDDE Outfall Classification and Ranking, By Outfall ID # - Revised September 2021

Outfall ID	Receiving Water	Receiving Water Impairment ¹	Top Priority		Second Priority			Initial Problem Outfalls		High Priority Outfalls																		Excluded									
			Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria > WQ criteria	Ammonia ≥ 0.5 mg/L, surfactants > 0.25 mg/L, and detectable levels of chlorine	Ammonia > 0.5 mg/L	Surfactants > 0.25 mg/L	Chlorine > 0 mg/L	Bacteria > WQ criteria	Known or suspected contributions of illicit discharges	Olfactory or visual evidence of sewage	Discharge to/near public beach	Discharge to/near recreational area	Discharge to/near drinking water supply	Discharge to/near shellfish beds	Past Discharge Complaints	Density of Generating Sites ²							Age of development and infrastructure		Catchment areas serviced by septic systems converted to sewer	Historic combined sewer system that has been separated	Density of septic systems ≥30 years old in residential land use	Culverted stream lengths greater than a simple roadway crossing	Discharge to impaired water & potential to carry that pollutant	Presence of older industrial operations	Roadway drainage in undeveloped areas with no dwellings and no sanitary sewers	Outfall is drainage for athletic fields, parks or undeveloped green space & associated parking without services	Cross-country drainage alignments through undeveloped land	Overall Ranking (Top Priority, 2nd Priority, Problem, High, Low, Excluded)	Ranking Score (Number of Boxes Checked)	Notes	
																Car dealers	Car washes	Gas stations	Garden centers	Industrial manufacturing	Other	Industrial areas >40 years old	Sewer areas >40 years old														
INT-54																								x											High	1	
INT-55																																			Low	0	
Drains to Underground Streams																																					
CB-101774				x	x	x	x																											Top Priority	5		
CB-105354																								x											High	2	
CB-105419																								x											High	2	
CB-105422																								x											High	2	
CB-106066																								x											High	2	
CB-112469	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg				x	x																x		x									2nd Priority	7	Cumberland Farms, Cleary Cleaners, Budget Gas and Cleaners	
CB-112643	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg																					x												High	3	
CB-113111	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg																					x												High	3	
CB-117356						x		x															x												2nd Priority	4	
CB-119736	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg				x		x															x		x										2nd Priority	6	Cleary Cleaners
CEI-CB-06252021	Cemetery	Hg																					x												High	2	
DMH-101773																							x												High	2	
DMH-102531	NHRIV700060803-15 Humphrey Brook	Chloride, Hg																					x												High	3	
DMH-103408																							x												High	3	Sullivan Tire
DMH-104094																							x												High	2	
DMH-105233	NHRIV700060803-16 McQuesten Brook	Hg, pH																					x												High	3	
DMH-105258	NHRIV700060803-16 McQuesten Brook	Hg, pH																					x			x									High	4	
DMH-105259	NHRIV700060803-16 McQuesten Brook	Hg, pH																					x			x	x								High	3	
DMH-105291																							x												High	2	
DMH-105326	NHRIV700060803-16 McQuesten Brook	Hg, pH				x	x																x												2nd Priority	5	
DMH-105342	Cemetery	Hg																					x												High	2	
DMH-105346	NHRIV700060803-16 McQuesten Brook	Hg, pH																					x												High	3	
DMH-105347	Cemetery	Hg																					x												High	2	
DMH-105348	NHRIV700060803-16 McQuesten Brook	Hg, pH																					x				x								High	4	
DMH-106045																							x												High	2	
DMH-113068	NHRIV700060802-15 Rays Brook - Dorrs Pond Outlet Stream	coli, Hg																					x												High	3	
DMH-113841	NHRIV700060702-12 Unnamed tributary to Lake Massabesic	Hg										x											x												High	3	Wellhead Protection Area - ROCKWOOD TERRACE CONDOS
DMH-117096																																			High	1	
DMH-117357																								x											High	2	
DMH-118224	NHRIV700060803-06 Unnamed brook through New St. John's Cemetery	Hg																						x											High	2	

1. DO = Dissolved oxygen, Hg = Mercury in fish tissue, Solids = Foam, flocs, scum, oil slicks, Benthic = Benthic Macroinvertebrate Bioassessments (Streams)
2. Locations of gas stations, car dealerships, car washes and garden centers obtained from Google in April 2019.

Outlets of Long Culverts

Same Drainage Network Discharges to Multiple Outfalls

Swale Outlet

Manchester, NH Vulnerability Assessment

[illegible]

	Recommended SVFs			
Sewer pump/lift stations, siphons, sewer restrictions where power/equipment failures or blockages could result in SSOs	Sanitary sewer & storm drain infrastructure >40 years old	Widespread code-required septic system upgrades required at property transfers due to inadequate soils, water table separation or other physical constraints rather than poor owner maintenance	History of multiple BOH actions addressing widespread septic system failures due to inadequate soils, water table separation, or other physical constraints, rather than poor owner maintenance	Notes
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			

Manchester, NH Vulnerability Assessment

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Manchester, NH Vulnerability Assessment

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Manchester, NH Vulnerability Assessment

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Recommended SVFs				
Sewer pump/lift stations, siphons, sewer restrictions where power/equipment failures or blockages could result in SSOs	Sanitary sewer & storm drain infrastructure >40 years old	Widespread code-required septic system upgrades required at property transfers due to inadequate soils, water table separation or other physical constraints rather than poor owner maintenance	History of multiple BOH actions addressing widespread septic system failures due to inadequate soils, water table separation, or other physical constraints, rather than poor owner maintenance	Notes
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			History of 6 SSOs assumed to have entered MS4 from SMH 307518 in past 5 years
	x			History of 11 SSOs assumed to have entered MS4 from SMH 307091 in past 5 years
	x			
	x			
	x			
	x			
	x			

Manchester, NH Vulnerability Assessment

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Recommended SVFs				
Sewer pump/lift stations, siphons, sewer restrictions where power/equipment failures or blockages could result in SSOs	Sanitary sewer & storm drain infrastructure >40 years old	Widespread code-required septic system upgrades required at property transfers due to inadequate soils, water table separation or other physical constraints rather than poor owner maintenance	History of multiple BOH actions addressing widespread septic system failures due to inadequate soils, water table separation, or other physical constraints, rather than poor owner maintenance	Notes
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			

Manchester, NH Vulnerability Assessment

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Manchester, NH Vulnerability Assessment

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Recommended SVFs				
Sewer pump/lift stations, siphons, sewer restrictions where power/equipment failures or blockages could result in SSOs	Sanitary sewer & storm drain infrastructure >40 years old	Widespread code-required septic system upgrades required at property transfers due to inadequate soils, water table separation or other physical constraints rather than poor owner maintenance	History of multiple BOH actions addressing widespread septic system failures due to inadequate soils, water table separation, or other physical constraints, rather than poor owner maintenance	Notes
	X			
	x			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			
	X			

Manchester, NH Vulnerability Assessment

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Recommended SVFs				
Sewer pump/lift stations, siphons, sewer restrictions where power/equipment failures or blockages could result in SSOs	Sanitary sewer & storm drain infrastructure >40 years old	Widespread code-required septic system upgrades required at property transfers due to inadequate soils, water table separation or other physical constraints rather than poor owner maintenance	History of multiple BOH actions addressing widespread septic system failures due to inadequate soils, water table separation, or other physical constraints, rather than poor owner maintenance	Notes
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
	x			
				History of 1 SSO from SMH 302177 in past 5 years, assumed to not have entered MS4
	x			
	x			History of 2 SSOs from SMH 302925 in past 5 years, assumed to not have entered MS4

Manchester, NH Vulnerability Assessment

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Manchester, NH Vulnerability Assessment

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Manchester, NH Vulnerability Assessment

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Outlets of Long Culverts
Same Drainage Network Discharges to Multiple Outfalls
Has at least 1 SVF

[illegible]