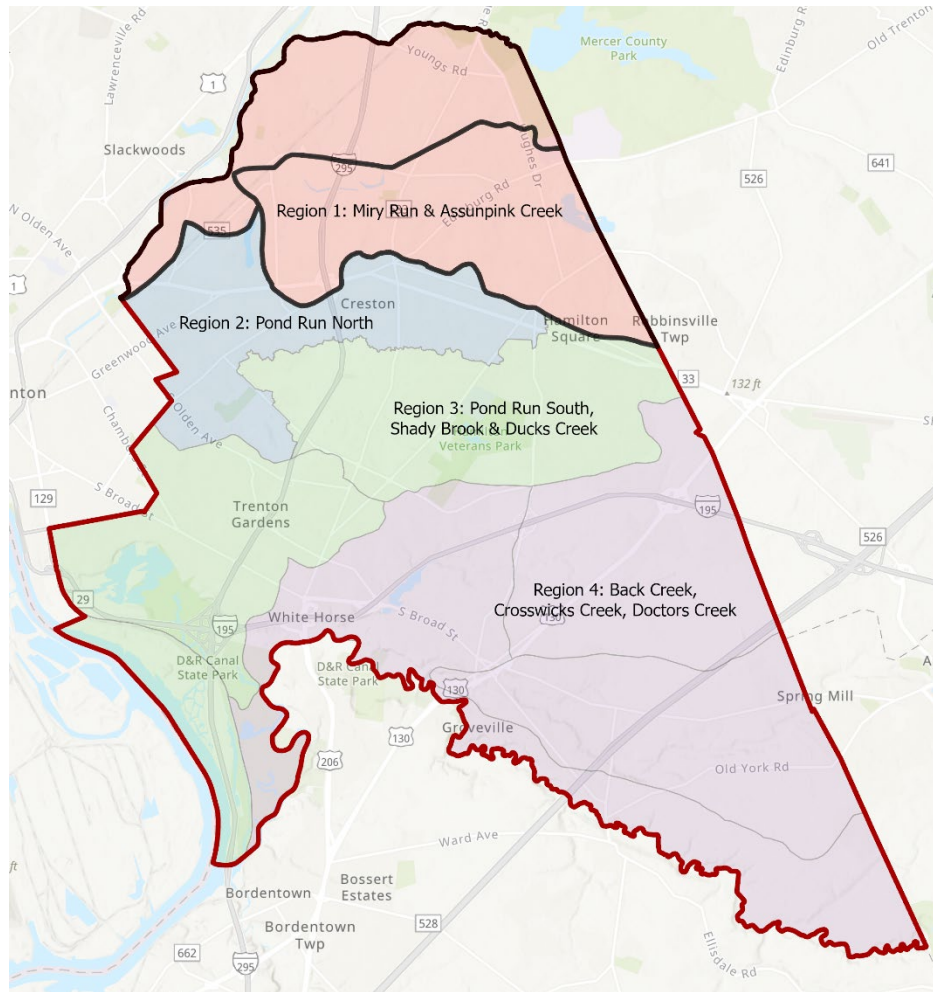


# RUTGERS

New Jersey Agricultural  
Experiment Station



## **Hamilton Township (Mercer County) Stormwater Outfall Assessment Summary 2022: Assunpink Creek & Miry Run (Region 1)**

Developed by the Rutgers Cooperative Extension Water Resources Program  
Funded by Hamilton Township, Mercer County, New Jersey  
December 22, 2022

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## Acknowledgements

The Hamilton Township (Mercer County) Stormwater Outfall Assessment has been produced by the **Rutgers Cooperative Extension (RCE) Water Resources Program**.

Funding for this project was generously provided by the **Township of Hamilton, Mercer County, New Jersey** and in part by the **New Jersey Agricultural Experiment Station** through the United States Department of Agriculture.

## **Introduction**

Hamilton Township, located in Mercer County, New Jersey, owns and operates over 300 stormwater outfalls that drain directly into waterways. This is a summary of the outfall pipe inspection program conducted in 2022. The purpose of the program is to provide an assessment of existing conditions related to stream scouring at stormwater outfall discharge locations in streams and waterways as well as identify potential illicit discharge connections. This assessment evaluates the overall integrity of the outfall structures, erosion caused by the outfalls, and other factors that may identify potential illicit discharges.

The outfalls assessed are reinspected based on previous inspections in 2015, 2017, and 2019. All outfalls are required to be inspected once every five years that are “owned and operated” by Hamilton Township per the municipal separate storm sewer system (MS4) permit from the New Jersey Department of Environmental Protection (NJDEP). Moving forward, one of four inspection zones will be inspected each year with the fifth year used to find outfalls missed during initial inspection rounds. Region 1 includes portions of the Assunpink Creek and Miry Run watersheds that are within Hamilton Township.

All efforts for this project were for the purpose of inspecting outfall pipes that discharge directly to mapped streams. It was not the intent of this program to be a complete and comprehensive inventory of all stormwater pipes in the municipal separate storm sewer system (MS4), but all effort has been made to identify and inspect those discharging near or directly to streams. The assessments were performed in August 2022 by the Rutgers Cooperative Extension (RCE) Water Resources Program.

## **Methods and Procedures**

A multi-part approach was taken to assess stormwater outfalls that discharge directly to waterways in Hamilton Township. A geographic information system (GIS) was used to visualize the location of mapped outfall locations using existing data. A data collection layer was created using ArcGIS Pro to digitize the inspection forms provided by NJDEP: “Outfall Inspection Form” and “Illicit Connection Inspection Report Form” for easier data collection. Environmental Systems Research Institute’s (ESRI) Field Maps software was used as this

software allows for data collection using smart phones or tablets in the field even if internet connection is unavailable. This collected data then can be easily synced later to the main dataset without having to compile the data. The software allowed staff to photograph, record data, and update the geolocation of each stormwater outfall assessed. This collected data included information about the properties of the outfall (type, size, material, etc.), needs for maintenance or repair of outfall structures, presence of stream scouring, and the potential of an illicit discharge. This collected data was then processed and cleaned up as needed to be consistent across the dataset.

A total of 102 outfalls were located and assessed in 2022. This is out of 358 previously identified outfalls and an additional 27 that were identified and found based on stormwater mapping that were missed during previous inspections. There were eight (8) outfalls that were not found or inaccessible that were previously inspected in the previous inspection efforts. There were eight (8) outfalls from previous inspections that were reassessed as not outfalls (culverts, basin inflow, or other structures) or duplicate points. This leads to an updated total outfall number of 377 outfalls and 110 outfalls in Region 1.

The outfall ID numbers were also reassigned to more closely align with the stormwater management goals. The previous ID numbers used a grid that is not actively utilized, so an ID that includes the watershed abbreviation was used instead. The outfalls were renumbered with low values at the upstream and high values at the downstream. When new outfalls are identified or installed, they will be assigned the next number in the sequence. Outfall IDs will be reassigned each year as each round of inspections is completed to avoid disrupting the numbering scheme in the event outfalls are added or removed.

A prioritization was developed using the field data collected. Priority was given to outfalls that showed significant signs of deterioration, were causing downstream erosion, were unstable due to erosion, or showed signs of illicit connections. All outfalls were placed on a scale from 1 to 5 with 5 being the highest priority that need immediate attention. Anything that has been assigned a priority level of 3 or higher should have action taken for maintenance or repair.

## Summary of Key Findings

The following conclusions were formed after reviewing data for the 102 outfalls assessed. Out of the 102, a total of 16 of assessed outfalls were designated as high priority (4 or 5), 26 were designated as medium priority (3), and 60 were designated as low to no priority (2 or 1). For scouring, five (5) have high, 22 have medium, 26 have low, and 49 have none. Anything at high or medium erosion levels should have attention brought to it to prevent further erosion, and the low erosion outfalls should be watched for future issues. For maintenance, there were 11 outfalls in need of significant repair, and 39 in need of maintenance either by clearing out sediment or patching cracking portions.

A total of 12 outfalls were suspected of illicit discharges during the initial investigation, during a repeat inspection for sampling, only eight (8) were found to be flowing during dry weather and were sampled. See the Illicit Discharge Detection Investigation report for more details.

Detailed information about each outfall assessed can be found in the Tabular Data section of this document. There are a series of tables highlighting each priority criteria. Summary maps of this information can be found in the Summary Maps section. The data with images of the outfalls can also be viewed using the web map (<https://go.rutgers.edu/c1vplcv2>). This is presented instead of the individual outfall assessment pages that were provided in previous reports to allow a more interactable version of these pages.

## Recommendations

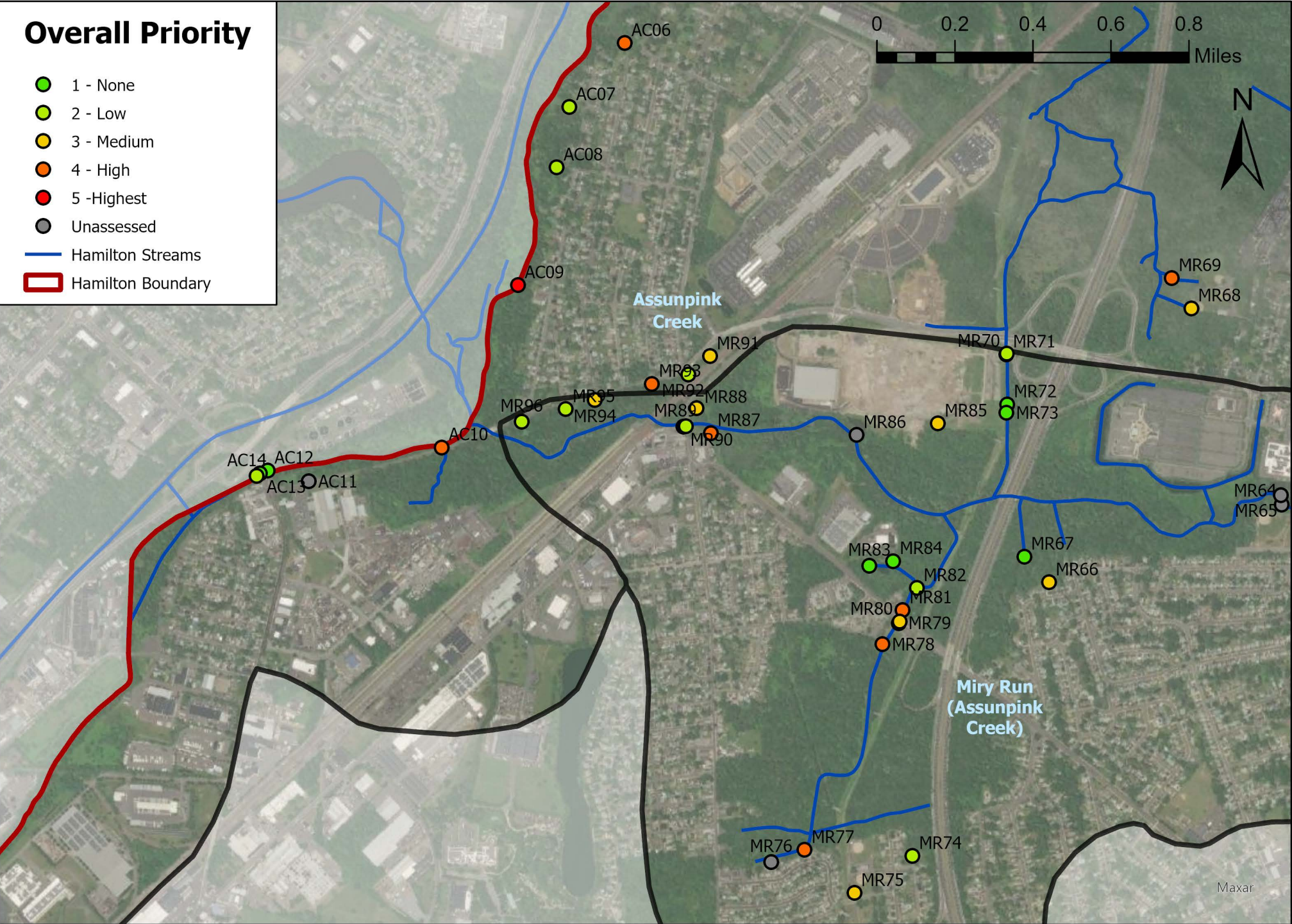
Based on the assessment and summary findings, recommendations are as follows:

1. The two outfalls identified as highest priority should be visited by Hamilton Township personnel, and a plan and schedule should be developed to take the necessary corrective actions as soon as possible.
2. A complete maintenance plan and schedule should be developed for all stormwater outfalls in Region 1 to address the deficiencies noted in this assessment in a timely manner starting with those with highest priority.
3. Each year, subsequent Regions should be inspected (Region 2 in 2023, Region 3 in 2024, Region 4 in 2025).
4. In the fifth year (2026), effort should be made to inspect outfalls which were not found during the initial round of inspections.

This assessment was not intended to be a complete and comprehensive inventory of all stormwater outfalls in the MS4 system. Efforts for this project focused solely on mapping and inventorying known outfall pipes discharging directly to mapped streams. Other outfalls in the municipal separate storm sewer system (MS4) exist and should be identified and added to the database as found.

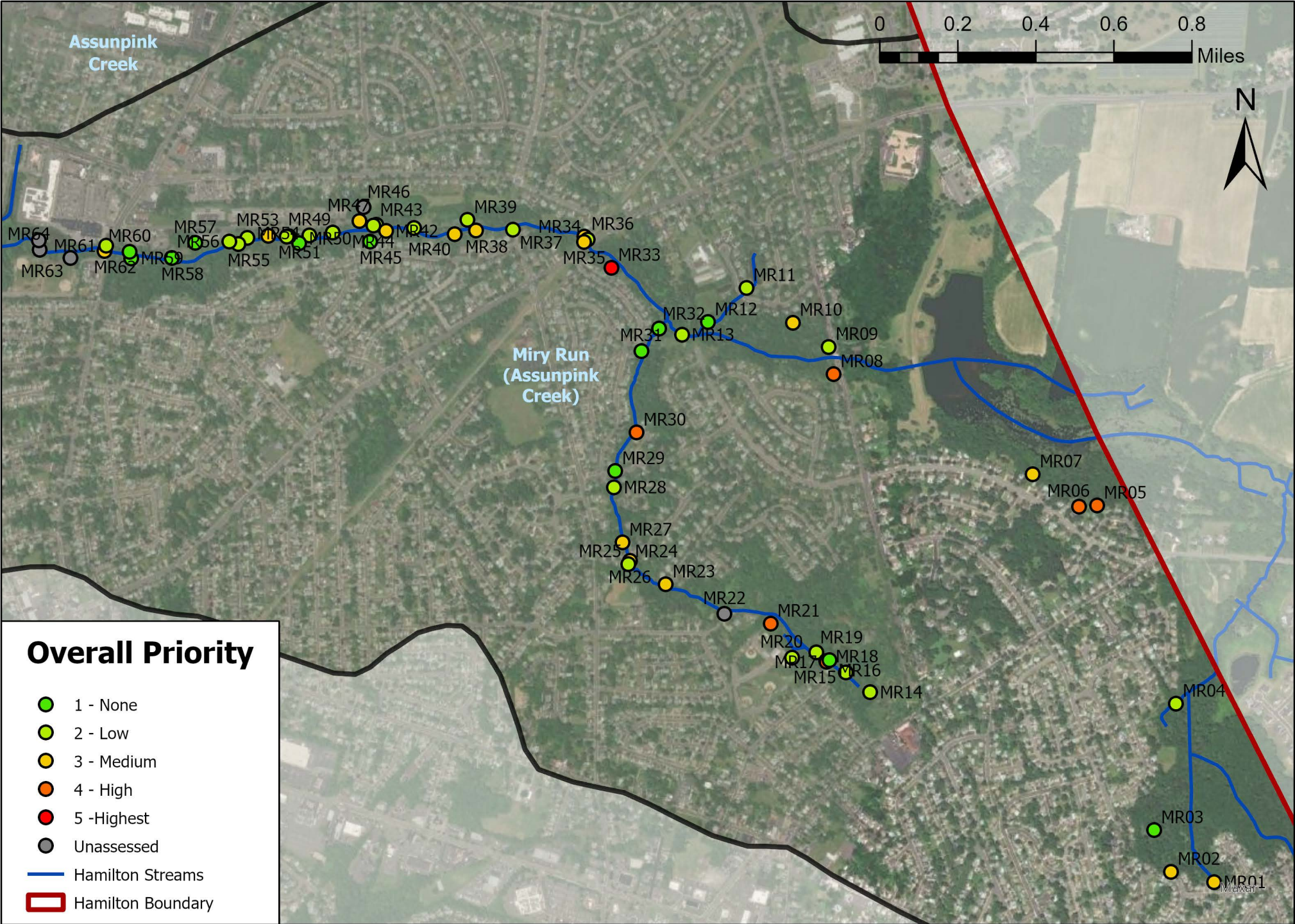
**Attachment 1: Outfall Assessment Maps**

# Hamilton Outfall Region 1: Overall Priority West

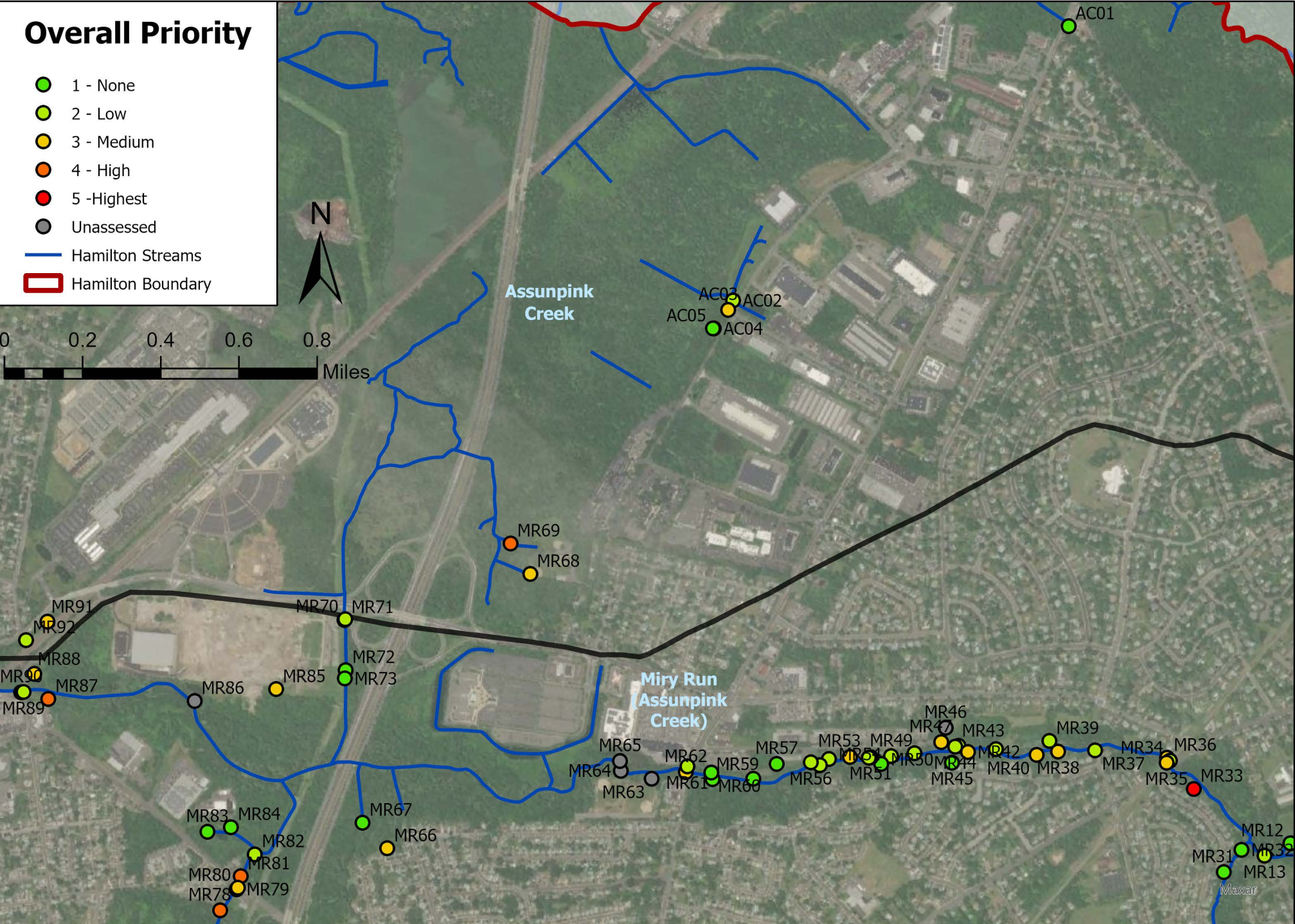




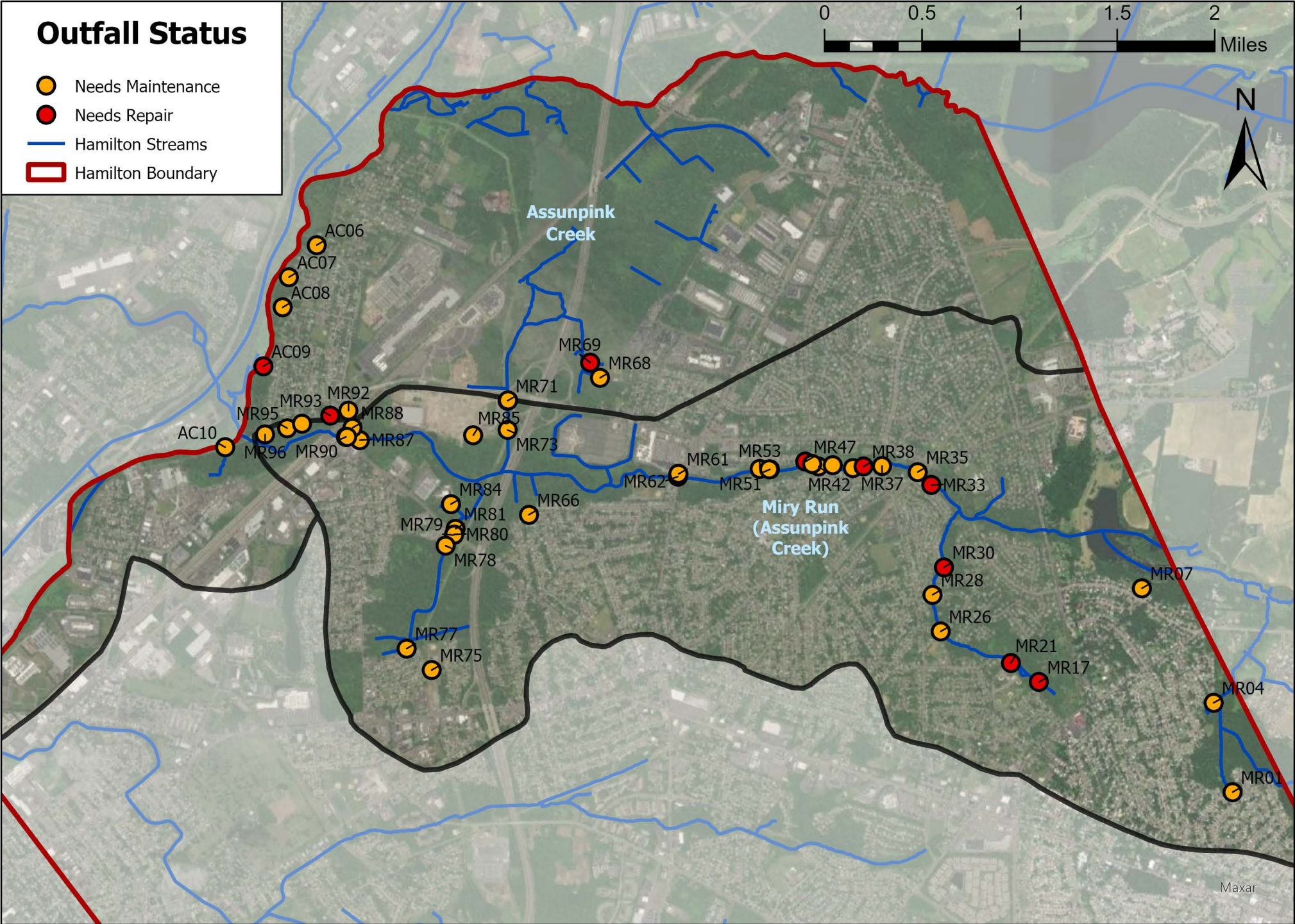
# Hamilton Outfall Region 1: Overall Priority East



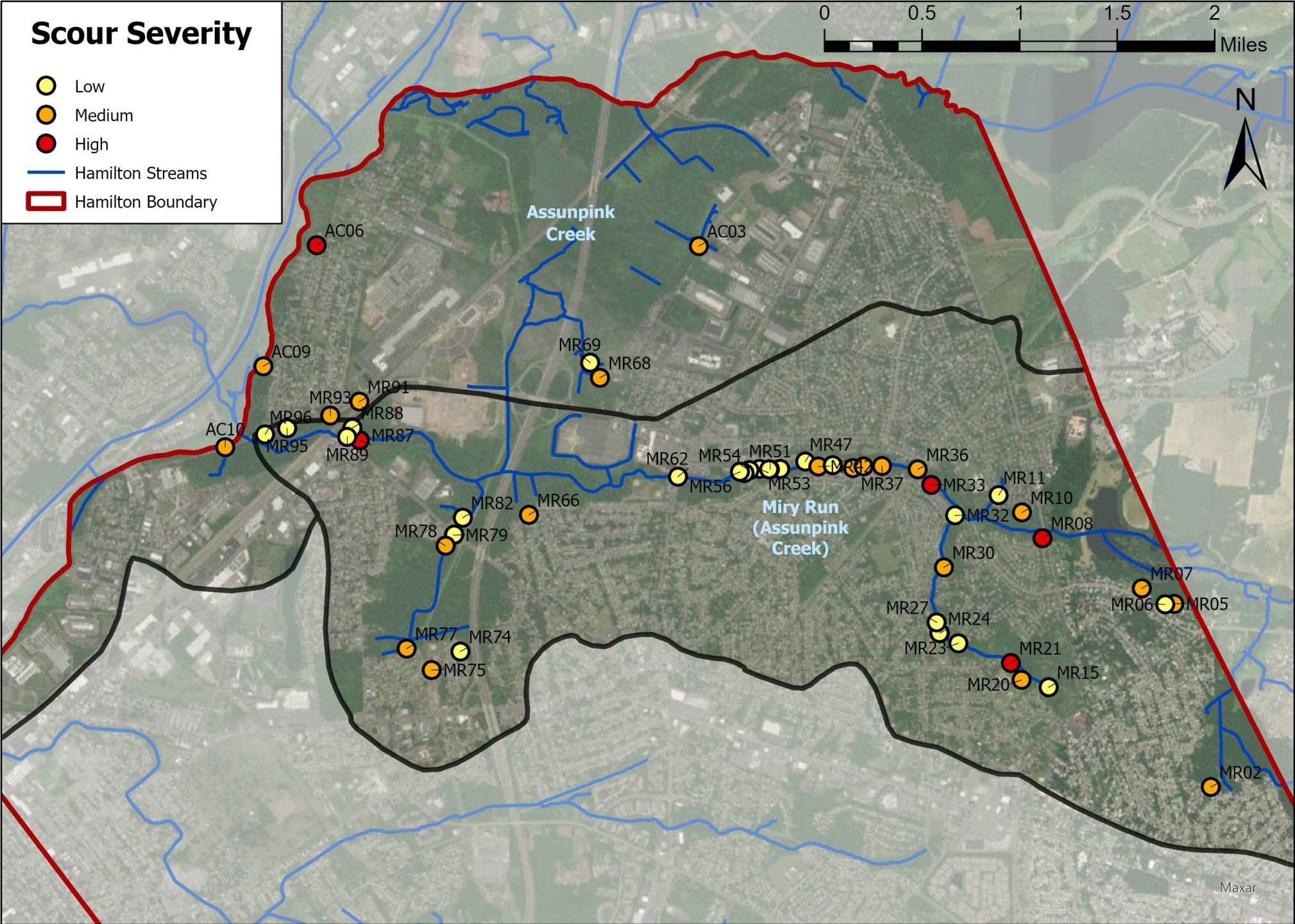
# Hamilton Outfall Region 1: Overall Priority North



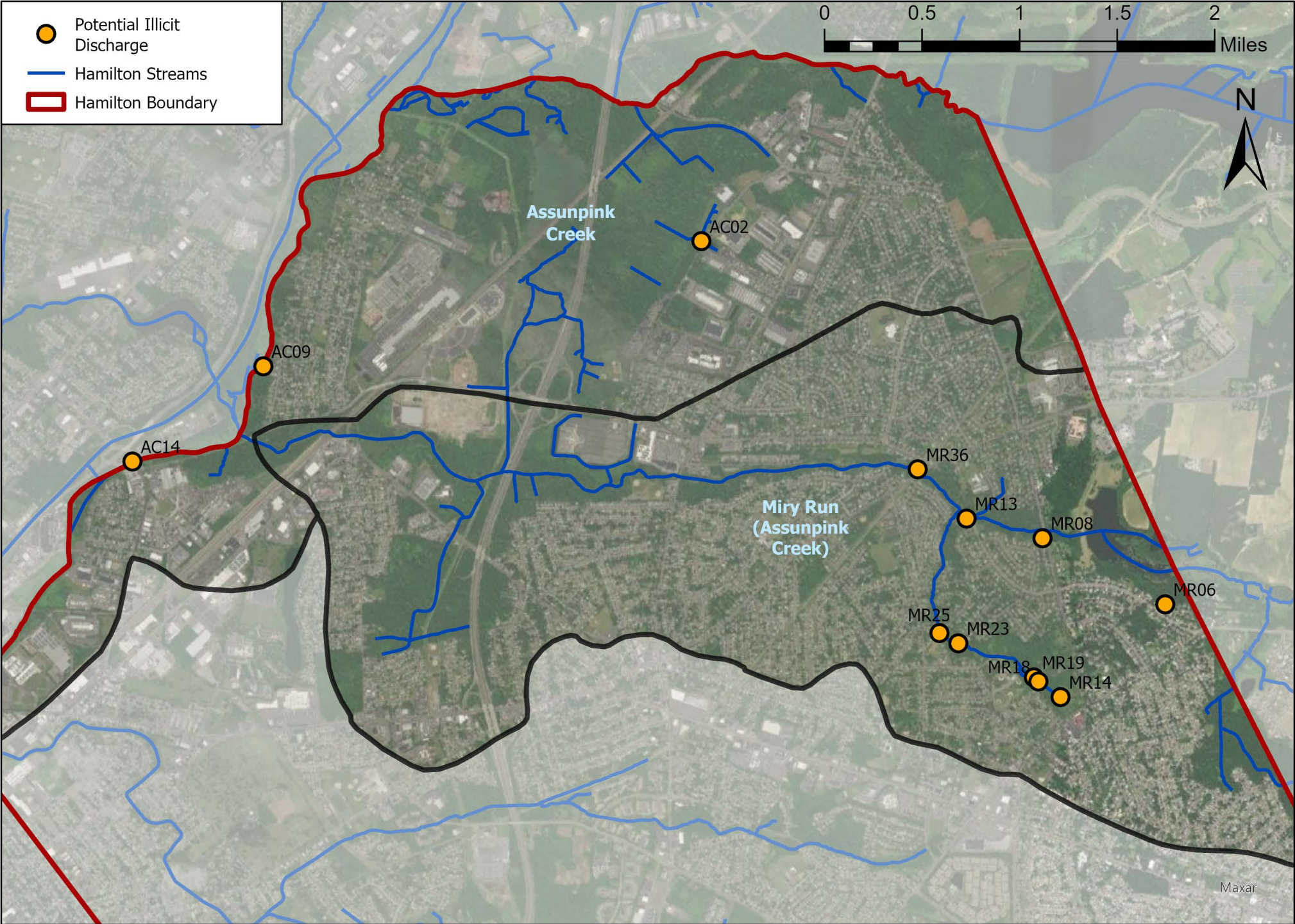
# Hamilton Outfall Region 1: Outfall Maintenance & Repair



# Hamilton Outfall Region 1: Erosion



# Hamilton Outfall Region 1: Potential Illicit Discharges



## **Attachment 2: Outfall Assessment Tables**

## All Outfall Data

Outfall_ID	OLD_ID	Subwatershed	Is the discharge coming directly from a pipe?	Pipe Diameter [in] (if applicable)	Pipe Material	Distance to pipe from channel outlet (if applicable)	Channel Type (if applicable)	Reinspected	Date of Inspection	Date of Last Rain	Last Rain Amount [in]	Is the pipe fully or partially submerged?	Are there known non-stormwater discharges?
AC01		Assunpink Creek	Y	15	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
AC02		Assunpink Creek	Y	28	Concrete			Y	8/4/2022	8/1/2022	0.51	Y (Partially Submerged)	N
AC03		Assunpink Creek						Y	8/4/2022	8/1/2022	0.51		N
AC04		Assunpink Creek	Y	38	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
AC05		Assunpink Creek	Y	24	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
AC06	D0101	Assunpink Creek	Y	60	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
AC07	D0102	Assunpink Creek	Y	12	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
AC08		Assunpink Creek	Y	9	Concrete			Y	8/16/2022	8/11/2022	0.43	Y (Partially Submerged)	N
AC09	E0101	Assunpink Creek	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
AC10		Assunpink Creek	Y	40	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
AC11	E0221	Assunpink Creek	Y	12	Metal			Not Found/Inaccessible					N
AC12	E0215	Assunpink Creek	Y	28	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
AC13	E0217	Assunpink Creek	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
AC14	E0218	Assunpink Creek	Y	18	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR01		Miry Run	Y	40	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR02		Miry Run	Y	30	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR03		Miry Run	Y	25	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR04		Miry Run	Y	36	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR05	A0302	Miry Run	Y	21	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR06	A0303	Miry Run	Y	36	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR07	A0301	Miry Run	Y	24	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR08	B0309	Miry Run	Y	31	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR09	B0308	Miry Run	Y	36	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR10	B0302	Miry Run	Y	13	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR11	B0301	Miry Run	Y	36	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR12	B0303	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR13	B0304	Miry Run	Y	15	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR14	B0310	Miry Run	Y	13	Concrete			Y	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)	N
MR15	B0315	Miry Run	Y	14	Plastic: HDPE			Y	7/21/2022	7/17/2022	0.38	N	N
MR16	B0314	Miry Run	Y		Metal			Y	7/7/2022	7/17/2022	0.38	N	N
MR17	B0313	Miry Run	Y	18	Metal			Y	7/21/2022	7/17/2022	0.38	N	N
MR18	B0312	Miry Run	Y	18	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR19	B0311	Miry Run	Y	15	Plastic: HDPE			Y	7/21/2022	7/17/2022	0.38	N	N
MR20	B0316	Miry Run	Y	4	Plastic: PVC			Y	7/21/2022	7/17/2022	0.38	N	N
MR21	B0317	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR22	B0319	Miry Run	Y	14	Plastic: HDPE			Not Found/Inaccessible					N
MR23	B0326	Miry Run	Y	19	Concrete			Y	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)	N
MR24	B0324	Miry Run	Y	30	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR25	B0323	Miry Run	Y	38	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR26	B0322	Miry Run	Y	6	Concrete			Y	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)	N
MR27	B0325	Miry Run	Y	12	Concrete	36		Y	7/21/2022	7/17/2022	0.38	N	N
MR28		Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR29	B0321	Miry Run	Y	15	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR30	B0320	Miry Run	Y	18	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR31	B0307	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR32	B0306	Miry Run	Y	17	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR33	B0332	Miry Run	Y	18	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR34	B0330	Miry Run	Y	33	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR35	B0331	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR36	B0329	Miry Run	Y	50	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR37		Miry Run	N				45 Other	Y	7/21/2022	7/17/2022	0.38		N
MR38	B0209	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR39	B0208	Miry Run	Y	24	Metal			Y	7/21/2022	7/17/2022	0.38	N	N
MR40	B0207	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR41	B0206	Miry Run	Y	11	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR42	B0205	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR43	B0201	Miry Run	Y	34	Concrete			Y	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)	N
MR44		Miry Run	Y	20	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N

## All Outfall Data

Outfall_ID	Outfall Condition	Bank Stability	Outfall Damage	Rainfall Last 72hrs?	Dry Weather Flow?	Illicit Discharge Suspected?	Odor	Color	Turbidity	Floatables	Deposits or Stains
AC01	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
AC02	Proper condition	Good	1 - Minor Cracking or Corrosion	N	Y	Y	None	Clear	Clear	None	None
AC03		Good		N	N	N					
AC04	Proper condition	Good	No Damages	N	N	N					
AC05	Proper condition	Good	No Damages	N	N	N					
AC06	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
AC07	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
AC08	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
AC09	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	Y	Y	None	Clear	Clear	None	None
AC10	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	N	N	N					
AC11											
AC12	Proper condition	Good	No Damages	N	N	N	Sewage	Brown	Cloudy	Suds	Oily residues
AC13	Proper condition	Good	No Damages	N	Y	N					
AC14	Proper condition	Good	1 - Minor Cracking or Corrosion	N	Y	Y	None	Brown	Cloudy	Other	Excessive sediments
MR01	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	N					
MR02	Proper condition	Fair	No Damages	N	N	N					
MR03	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR04	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR05	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR06	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	Y	Y	None	Gray	Cloudy	None	None
MR07	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR08	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	Y	Y	None	Clear	Clear	None	Grayish-Black
MR09	Proper condition	Good	No Damages	N	N	N					
MR10	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR11	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR12	Proper condition	Good	No Damages	N	N	N					
MR13	Proper condition	Good	1 - Minor Cracking or Corrosion	N	Y	Y	None	Clear	Clear	None	None
MR14	Proper condition	Good	No Damages	N	Y	Y	None	Clear	Clear	None	None
MR15	Proper condition	Good	No Damages	N	N	N					
MR16	Proper condition	Good	No Damages	N	N	N					
MR17	Needs Repair	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N					
MR18	Proper condition	Fair	No Damages	N	Y	Y	None	Clear	Clear	None	None
MR19	Proper condition	Good	No Damages	N	Y	Y	None	Clear	Clear	None	None
MR20	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR21	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N					
MR22											
MR23	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR24	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR25	Proper condition	Fair	No Damages	N	Y	Y	None	Clear	Clear	None	Grayish-Black
MR26	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N					
MR27	Proper condition	Fair	2 - Moderate Cracking or Corrosion	N	N	N					
MR28	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR29	Proper condition	Good	No Damages	N	N	N					
MR30	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	N	N					
MR31	Proper condition	Good	No Damages	N	N	N					
MR32	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR33	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	N	N					
MR34	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N	None	No Illicit Discharge	No Illicit Discharge	No Illicit Discharge	No Illicit Discharge
MR35	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	Unsure	None	Clear	Clear	None	None
MR36	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	Y	Y	None	Clear	Clear	None	None
MR37	Needs Maintenance	Fair	No Damages	N	N	N					
MR38	Needs Repair	Fair	2 - Moderate Cracking or Corrosion	N	N	N					
MR39	Proper condition	Fair	No Damages	N	N	N	None	Other	Clear	Other	None
MR40	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR41	Needs Maintenance	Fair	No Damages	N	N	N					
MR42	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	N					
MR43	Proper condition	Good	No Damages	N	N	N					
MR44	Needs Maintenance	Good	No Damages	N	N	N					



## All Outfall Data

Outfall_ID	Adjacent Vegetation (compared to other areas)	Stream Scour Present?	Scour Severity	Scour Extent	Notes	Overall Priority
AC01		N			Two pipes in one side of the bridge, other side might p	1 - None
AC02	normal	N			(Sampled)	2 - Low
AC03		Y	Medium	10-100 ft	No outfall found; prominent evidence that there is flow	3 - Medium
AC04		N			Right beside a smaller pipe	1 - None
AC05		N	None	None	Right beside bigger pipe	1 - None
AC06		Y	High	10-100 ft	minor cracking, major erosion likely caused by outfall	4 - High
AC07		N			Sediment burying half	2 - Low
AC08		N			partially submerged	2 - Low
AC09	normal	Y	Medium	10-100 ft	(Sampled) Extreme undermining	5 - Highest
AC10		Y	Medium	Under 10 ft	Major undermining present	4 - High
AC11					Inaccessible	
AC12	No Illicit Discharge	N			Set of four outfalls under the bridge	1 - None
AC13		N			NJPDES Number NJ 0024759, two pipe diameter appro	1 - None
AC14	normal	N			(Sampled) sediment and garbage inside	2 - Low
MR01		N				3 - Medium
MR02		Y	Medium	10-100 ft		3 - Medium
MR03		N				1 - None
MR04		N				2 - Low
MR05		Y	Medium	Over 100 ft	Low point in ground directly outside of outfall	4 - High
MR06	normal	Y	Low	Over 100 ft	(Reinspected, no flow) Sediment buildup, 2 downspou	4 - High
MR07		Y	Medium	Under 10 ft	Cracking at exit, undermining	3 - Medium
MR08	normal	Y	High	10-100 ft	(Sampled) Bamboo growth around outfall	4 - High
MR09		N	None	None		2 - Low
MR10		Y	Medium	10-100 ft	Sediment buildup, connected to catch basin 5 feet beh	3 - Medium
MR11		Y	Low	Under 10 ft	Looks like wrong pipe was inspected	2 - Low
MR12		N	None	None		1 - None
MR13	normal	N	None	None	(Sampled) Connects from outfall behind [formerly B03	2 - Low
MR14	normal	N			(Sampled) Some sediment buildup in pipe, significant e	2 - Low
MR15		Y	Low	Under 10 ft	Some sediment collected in pipe	2 - Low
MR16		N				1 - None
MR17		N			Undermining; pipe is half buried with sediment; overa	4 - High
MR18	normal	N			(Reinspected, no flow) Starting to undermine a little	2 - Low
MR19	normal	N			(Sampled)	2 - Low
MR20		Y	Medium	Under 10 ft	sediment inside, looks like field drainfield	2 - Low
MR21		Y	High	None	Pipe is intact, Foundation around pipe needs repair	4 - High
MR22					Not found	
MR23		Y	Low	Under 10 ft	Stream has signs of increased erosion	3 - Medium
MR24		Y	Low	Under 10 ft	Located exactly to the right of another larger outfall	1 - None
MR25	normal	Y	Low	Under 10 ft		2 - Low
MR26		N			pipe subsided into stream	3 - Medium
MR27		Y	Low	Under 10 ft	Part of concrete flow pad broken, but doesn't appear	3 - Medium
MR28		N	None	None	Support wall starting to fail.	2 - Low
MR29		N	None	None	Outfall located under bridge formed in the concrete fo	1 - None
MR30		Y	Medium	Under 10 ft	Outfall still works but end piece fell off into stream, is	4 - High
MR31		N	None	None		1 - None
MR32		N	Low	None		1 - None
MR33		Y	High	10-100 ft	Severe erosion, Pipe collapsed, needs immediate attention	5 - Highest
MR34	No Illicit Discharge	N				2 - Low
MR35	normal	N			Undermining at the bottom	3 - Medium
MR36	normal	Y	Medium	Under 10 ft	60" x39" pipe	3 - Medium
MR37		Y	Medium	Under 10 ft	Asphalt channel conveying roadway runoff	2 - Low
MR38		Y	Medium	Under 10 ft	20 ft concrete channel has moderate erosion and unde	3 - Medium
MR39	normal	N			Two 24 inch pipes	2 - Low
MR40		Y	Medium	Under 10 ft	Trees causing channel to crack; 20 ft channel causing e	3 - Medium
MR41		Y	Low	10-100 ft	Pipe filled with muddy Sediment build up around the a	2 - Low
MR42		Y	Medium	10-100 ft	Concrete channel leading to the stream, part of it is cr	3 - Medium
MR43		N			Opening is an arc	2 - Low
MR44		N			Sediment accumulation; needs to be cleared out	2 - Low

## All Outfall Data

Outfall_ID	OLD_ID	Subwatershed	Is the discharge coming directly from a pipe?	Pipe Diameter [in] (if applicable)	Pipe Material	Distance to pipe from channel outlet (if applicable)	Channel Type (if applicable)	Reinspected	Date of Inspection	Date of Last Rain	Last Rain Amount [in]	Is the pipe fully or partially submerged?	Are there known non-stormwater discharges?
MR45	B0204	Miry Run	N			200	Concrete	Y	7/21/2022	7/17/2022	0.38		N
MR46	B0203	Miry Run	Y	24	Concrete			Not Found/Inaccessible					N
MR47	B0202	Miry Run	Y	8	Concrete			Y	7/21/2022	7/17/2022	0.38	N	N
MR48	C0201	Miry Run	Y	9	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR49	C0202	Miry Run	Y	9	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR50	C0203	Miry Run	Y	9	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR51	C0204	Miry Run	Y	36	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR52		Miry Run	Y	9	Plastic: HDPE			Y	7/22/2022	7/17/2022	0.38	N	N
MR53	C0205	Miry Run	Y	10	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR54	C0206	Miry Run	Y	8	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR55	C0207	Miry Run	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR56	C0208	Miry Run	Y	12	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR57	C0209	Miry Run	Y	19	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR58	C0210	Miry Run	Y	17	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR59	C0211	Miry Run	Y	12	Unknown			Y	7/22/2022	7/17/2022	0.38	N	N
MR60	C0212	Miry Run	Y	16	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR61	C0214	Miry Run	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR62	C0213	Miry Run	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR63	C0215	Miry Run	Y	13	Concrete			Not Found/Inaccessible					N
MR64	C0216	Miry Run	Y	14	Concrete			Not Found/Inaccessible					N
MR65	C0217	Miry Run	Y	38	Metal			Not Found/Inaccessible					N
MR66		Miry Run	Y	40	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR67	D0216	Miry Run	Y	50	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR68		Miry Run	Y	24	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR69		Miry Run	Y	30	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR70		Miry Run	Y	30	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR71	D0211	Miry Run	Y	30	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR72	D0213	Miry Run	Y	26	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR73	D0214	Miry Run	Y	30	Concrete			Y	8/16/2022	8/11/2022	0.43	Y (Partially Submerged)	N
MR74		Miry Run	Y	15	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR75	D0215	Miry Run	N	36	Concrete	550	Vegetated	Y	8/16/2022	8/11/2022	0.43	N	N
MR76	E0202	Miry Run	Y	22	Metal			Not Found/Inaccessible					N
MR77	E0201	Miry Run	Y	34	Metal			Y	8/16/2022	8/11/2022	0.43	N	N
MR78	D0207	Miry Run	Y	26	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR79	D0205	Miry Run	Y	24	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR80	D0206	Miry Run	Y	24	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR81	D0204	Miry Run	Y	21	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR82		Miry Run	Y	21	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR83		Miry Run	Y	17	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR84		Miry Run	Y	18	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR85	D0212	Miry Run	Y	24	Concrete			Y	8/16/2022	8/11/2022	0.43	N	N
MR86	D0210	Miry Run	N		Concrete	0	N/A	Not Found/Inaccessible					N
MR87	D0201	Miry Run	Y	32	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR88	D0202	Miry Run	Y	34	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR89		Miry Run	Y	18	Metal			Y	7/22/2022	7/17/2022	0.38	N	N
MR90	D0203	Miry Run	Y	32	Concrete			Y	7/22/2022	7/17/2022	0.38	Y (Partially Submerged)	N
MR91		Miry Run	N			36	Concrete	Y	8/4/2022	8/1/2022	0.51		N
MR92		Miry Run	Y	24	Concrete			Y	8/4/2022	8/1/2022	0.51	N	N
MR93		Miry Run	Y					Y	8/4/2022	8/1/2022	0.51	N	N
MR94	E0214	Miry Run	Y	13	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR95	E0213	Miry Run	Y	15	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N
MR96	E0212	Miry Run	Y	26	Concrete			Y	7/22/2022	7/17/2022	0.38	N	N

## All Outfall Data

Outfall_ID	Outfall Condition	Bank Stability	Outfall Damage	Rainfall Last 72hrs?	Dry Weather Flow?	Illicit Discharge Suspected?	Odor	Color	Turbidity	Floatables	Deposits or Stains
MR45	Proper condition	Good	No Damages	N	N	N					
MR46											
MR47	Needs Repair	Fair	2 - Moderate Cracking or Corrosion	N	N	N					
MR48	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR49	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR50	Proper condition	Good	No Damages	N	N	N					
MR51	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N					
MR52	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR53	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR54	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR55	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR56	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR57	Proper condition	Good	No Damages	N	N	N					
MR58	Proper condition	Good	No Damages	N	N	N					
MR59	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR60	Proper condition	Good	No Damages	N	N	N					
MR61	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N	Sewage	Brown	Clear	None	Grayish-Black
MR62	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N	Sewage	No Illicit Discharge	No Illicit Discharge	No Illicit Discharge	None
MR63											
MR64											
MR65											
MR66	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	N					
MR67	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR68	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR69	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N					
MR70	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR71	Needs Maintenance	Good	No Damages	N	N	N					
MR72	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR73	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR74	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR75	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR76											
MR77	Needs Maintenance		2 - Moderate Cracking or Corrosion	N	N	N					
MR78	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR79	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	N	N	N					
MR80	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N					
MR81	Needs Maintenance	Needs Stabilization	No Damages	N	N	N					
MR82	Proper condition	Fair	No Damages	N	N	N					
MR83	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR84	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR85	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR86											
MR87	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	N	N	N					
MR88	Needs Maintenance	Good	2 - Moderate Cracking or Corrosion	N	N	N					
MR89	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N	None	Clear	Clear	None	None
MR90	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N					
MR91	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR92	Needs Maintenance	Good	No Damages	N	N	N					
MR93	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	N	N					
MR94	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N					
MR95	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					
MR96	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N					

## All Outfall Data

Outfall_ID	Adjacent Vegetation (compared to other areas)	Stream Scour Present?	Scour Severity	Scour Extent	Notes	Overall Priority
MR45		N			Open channel	1 - None
MR46						
MR47		Y	Low	Under 10 ft	Outfall largely buried	3 - Medium
MR48		N	None	None		2 - Low
MR49		Y	Low	Under 10 ft		2 - Low
MR50		N				1 - None
MR51		Y	Medium	10-100 ft		4 - High
MR52		Y	Low	Under 10 ft		2 - Low
MR53		Y	Low	Under 10 ft	halfway buried under soil	3 - Medium
MR54		Y	Low	Under 10 ft		2 - Low
MR55		Y	Low	Under 10 ft		2 - Low
MR56		N	Low	10-100 ft	12 in diameter	2 - Low
MR57		N			long channel covered in vegetation	1 - None
MR58		N				1 - None
MR59		N				1 - None
MR60		N			some sediment and minor erosion	1 - None
MR61	normal	N			minor sediment buildup	2 - Low
MR62	normal	Y	Low	Under 10 ft	Portion of pipe unseated, some erosion control in the	3 - Medium
MR63					Cannot be found	
MR64					Heavy vegetation, hard to find pipe, it may be under th	
MR65					Mini pond that is too deep to enter or cross.	
MR66		Y	Medium	10-100 ft		3 - Medium
MR67		N				1 - None
MR68		Y	Medium	10-100 ft		3 - Medium
MR69		Y	Low	Under 10 ft	Pipe is cracked and disconnected	4 - High
MR70		N			sedimentation buildup. 2 outfalls next to each other	2 - Low
MR71		N			sediment inside	3 - Medium
MR72		N			minor sediment buildup. minor cracking	1 - None
MR73		N			partially submerged	1 - None
MR74		Y	Low	Under 10 ft	Light sediment buildup	2 - Low
MR75		Y	Medium	Under 10 ft		3 - Medium
MR76						
MR77		Y	Medium	Under 10 ft	partially filled with sediment. pipe corroding	4 - High
MR78		Y	Medium	10-100 ft	Pooling smelly substance and sediment inside, cats ne	4 - High
MR79		Y	Low	Under 10 ft	Sediment buildup, undermining, overgrown vegetation	3 - Medium
MR80		Y	Low	Under 10 ft	Very hidden , some undermining, pipe to the left	3 - Medium
MR81		N		None	Severe Undermining	4 - High
MR82		Y	Low	Under 10 ft	Some Sediment buildup	2 - Low
MR83		N			Captures water from street, facility	1 - None
MR84		N			Out behind a facility	1 - None
MR85		N			major sedimentation clogging	3 - Medium
MR86					Outfall Structure from Pond	
MR87		Y	High	10-100 ft	Next to car wash, orange brown muck, undermining	4 - High
MR88		Y	Low	10-100 ft	Lots of sediment, 6 inches sediment	3 - Medium
MR89	normal	Y	Low	Under 10 ft	Slight undermining	2 - Low
MR90		N			Slight undermining	2 - Low
MR91		Y	Medium	10-100 ft		3 - Medium
MR92		N			Lots of sediment	2 - Low
MR93		Y	Medium	10-100 ft		4 - High
MR94		N			mostly covered with sediment	3 - Medium
MR95		Y	Low	Under 10 ft	halfway filled with trash and soil	2 - Low
MR96		Y	Low	Under 10 ft	sediment inside	2 - Low

## Priority Outfall Data

Outfall_ID	OLD_ID	Subwatershed	Is the discharge coming directly from a pipe?	Pipe Diameter [in] (if applicable)	Pipe Material	Distance to pipe from channel outlet (if applicable)	Channel Type (if applicable)	Reinspected	Date of Inspection	Date of Last Rain	Last Rain Amount [in]	Is the pipe fully or partially submerged?
AC09	E0101	Assunpink Creek	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR33	B0332	Miry Run	Y	18	Concrete			Y	7/21/2022	7/17/2022	0.38	N
AC06	D0101	Assunpink Creek	Y	60	Concrete			Y	8/16/2022	8/11/2022	0.43	N
AC10		Assunpink Creek	Y	40	Concrete			Y	8/4/2022	8/1/2022	0.51	N
MR05	A0302	Miry Run	Y	21	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR06	A0303	Miry Run	Y	36	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR08	B0309	Miry Run	Y	31	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR17	B0313	Miry Run	Y	18	Metal			Y	7/21/2022	7/17/2022	0.38	N
MR21	B0317	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR30	B0320	Miry Run	Y	18	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR81	D0204	Miry Run	Y	21	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR51	C0204	Miry Run	Y	36	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR69		Miry Run	Y	30	Concrete			Y	8/16/2022	8/11/2022	0.43	N
MR77	E0201	Miry Run	Y	34	Metal			Y	8/16/2022	8/11/2022	0.43	N
MR78	D0207	Miry Run	Y	26	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR87	D0201	Miry Run	Y	32	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR93		Miry Run	Y					Y	8/4/2022	8/1/2022	0.51	N
MR01		Miry Run	Y	40	Concrete			Y	8/4/2022	8/1/2022	0.51	N
AC03		Assunpink Creek						Y	8/4/2022	8/1/2022	0.51	
MR07	A0301	Miry Run	Y	24	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR02		Miry Run	Y	30	Concrete			Y	8/4/2022	8/1/2022	0.51	N
MR10	B0302	Miry Run	Y	13	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR23	B0326	Miry Run	Y	19	Concrete			Y	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)
MR26	B0322	Miry Run	Y	6	Concrete			Y	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)
MR71	D0211	Miry Run	Y	30	Concrete			Y	8/16/2022	8/11/2022	0.43	N
MR27	B0325	Miry Run	Y	12	Concrete	36		Y	7/21/2022	7/17/2022	0.38	N
MR35	B0331	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR36	B0329	Miry Run	Y	50	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR38	B0209	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR40	B0207	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR42	B0205	Miry Run	Y	24	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR47	B0202	Miry Run	Y	8	Concrete			Y	7/21/2022	7/17/2022	0.38	N
MR53	C0205	Miry Run	Y	10	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR62	C0213	Miry Run	Y	30	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR66		Miry Run	Y	40	Concrete			Y	8/16/2022	8/11/2022	0.43	N
MR68		Miry Run	Y	24	Concrete			Y	8/16/2022	8/11/2022	0.43	N
MR75	D0215	Miry Run	N	36	Concrete	550	Vegetated	Y	8/16/2022	8/11/2022	0.43	N
MR79	D0205	Miry Run	Y	24	Metal			Y	7/22/2022	7/17/2022	0.38	N
MR80	D0206	Miry Run	Y	24	Metal			Y	7/22/2022	7/17/2022	0.38	N
MR85	D0212	Miry Run	Y	24	Concrete			Y	8/16/2022	8/11/2022	0.43	N
MR88	D0202	Miry Run	Y	34	Concrete			Y	7/22/2022	7/17/2022	0.38	N
MR91		Miry Run	N			36	Concrete	Y	8/4/2022	8/1/2022	0.51	
MR94	E0214	Miry Run	Y	13	Concrete			Y	7/22/2022	7/17/2022	0.38	N

## Priority Outfall Data

Outfall_ID	Are there known non-stormwater discharges?	Outfall Condition	Bank Stability	Outfall Damage	Rainfall Last 72hrs?	Dry Weather Flow?	Illicit Discharge Suspected?	Odor	Color	Turbidity
AC09	N	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	Y	Y	None	Clear	Clear
MR33	N	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	N	N			
AC06	N	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N			
AC10	N	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	N	N	N			
MR05	N	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR06	N	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	Y	Y	None	Gray	Cloudy
MR08	N	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	Y	Y	None	Clear	Clear
MR17	N	Needs Repair	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N			
MR21	N	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N			
MR30	N	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	N	N			
MR81	N	Needs Maintenance	Needs Stabilization	No Damages	N	N	N			
MR51	N	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N			
MR69	N	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N			
MR77	N	Needs Maintenance		2 - Moderate Cracking or Corrosion	N	N	N			
MR78	N	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR87	N	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	N	N	N			
MR93	N	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	N	N	N			
MR01	N	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	N			
AC03	N		Good		N	N	N			
MR07	N	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR02	N	Proper condition	Fair	No Damages	N	N	N			
MR10	N	Proper condition	Good	1 - Minor Cracking or Corrosion	N	N	N			
MR23	N	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR26	N	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N			
MR71	N	Needs Maintenance	Good	No Damages	N	N	N			
MR27	N	Proper condition	Fair	2 - Moderate Cracking or Corrosion	N	N	N			
MR35	N	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	Unsure	None	Clear	Clear
MR36	N	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	Y	Y	None	Clear	Clear
MR38	N	Needs Repair	Fair	2 - Moderate Cracking or Corrosion	N	N	N			
MR40	N	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR42	N	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	N			
MR47	N	Needs Repair	Fair	2 - Moderate Cracking or Corrosion	N	N	N			
MR53	N	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N			
MR62	N	Needs Repair	Fair	3 - Major Cracking or Corrosion	N	N	N	Sewage	No Illicit Discharge	No Illicit Discharge
MR66	N	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	N	N	N			
MR68	N	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR75	N	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR79	N	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	N	N	N			
MR80	N	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N			
MR85	N	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	N	N	N			
MR88	N	Needs Maintenance	Good	2 - Moderate Cracking or Corrosion	N	N	N			
MR91	N	Proper condition	Fair	1 - Minor Cracking or Corrosion	N	N	N			
MR94	N	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	N	N	N			

## Priority Outfall Data

Outfall_ID	Floatables	Deposits or Stains	Adjacent Vegetation (compared to other areas)	Stream Scour Present?	Scour Severity	Scour Extent	Notes	Overall Priority	Year Asses Previous
AC09	None	None	normal	Y	Medium	10-100 ft	(Sampled) Extreme undermining	5 -Highest	2015
MR33				Y	High	10-100 ft	Severe erosion, Pipe collapsed, needs immediate attention	5 -Highest	2015
AC06				Y	High	10-100 ft	minor cracking, major erosion likely caused by outfall	4 - High	2015
AC10				Y	Medium	Under 10 ft	Major undermining present	4 - High	
MR05				Y	Medium	Over 100 ft	Low point in ground directly outside of outfall	4 - High	2015
MR06	None	None	normal	Y	Low	Over 100 ft	(Reinspected, no flow) Sediment buildup, 2 downspout	4 - High	2015
MR08	None	Grayish-Black	normal	Y	High	10-100 ft	(Sampled) Bamboo growth around outfall	4 - High	2015
MR17				N			Undermining; pipe is half buried with sediment; overall	4 - High	2015
MR21				Y	High	None	Pipe is intact, Foundation around pipe needs repair	4 - High	2015
MR30				Y	Medium	Under 10 ft	Outfall still works but end piece fell off into stream, is i	4 - High	2015
MR81				N		None	Severe Undermining	4 - High	2015
MR51				Y	Medium	10-100 ft		4 - High	2015
MR69				Y	Low	Under 10 ft	Pipe is cracked and disconnected	4 - High	
MR77				Y	Medium	Under 10 ft	partially filled with sediment. pipe corroding	4 - High	2015
MR78				Y	Medium	10-100 ft	Pooling smelly substance and sediment inside, cats near	4 - High	2015
MR87				Y	High	10-100 ft	Next to car wash, orange brown muck, undermining	4 - High	2015
MR93				Y	Medium	10-100 ft		4 - High	
MR01				N				3 - Medium	
AC03				Y	Medium	10-100 ft	No outfall found; prominent evidence that there is flow	3 - Medium	
MR07				Y	Medium	Under 10 ft	Cracking at exit, undermining	3 - Medium	2015
MR02				Y	Medium	10-100 ft		3 - Medium	
MR10				Y	Medium	10-100 ft	Sediment buildup, connected to catch basin 5 feet beh	3 - Medium	2015
MR23				Y	Low	Under 10 ft	Stream has signs of increased erosion	3 - Medium	2015
MR26				N			pipe subsided into stream	3 - Medium	2015
MR71				N			sediment inside	3 - Medium	2015
MR27				Y	Low	Under 10 ft	Part of concrete flow pad broken, but doesn't appear t	3 - Medium	2015
MR35	None	None	normal	N			Undermining at the bottom	3 - Medium	2015
MR36	None	None	normal	Y	Medium	Under 10 ft	60" x39" pipe	3 - Medium	2015
MR38				Y	Medium	Under 10 ft	20 ft concrete channel has moderate erosion and unde	3 - Medium	2015
MR40				Y	Medium	Under 10 ft	Trees causing channel to crack; 20 ft channel causing e	3 - Medium	2015
MR42				Y	Medium	10-100 ft	Concrete channel leading to the stream, part of it is cra	3 - Medium	2015
MR47				Y	Low	Under 10 ft	Outfall largely buried	3 - Medium	2015
MR53				Y	Low	Under 10 ft	halfway buried under soil	3 - Medium	2015
MR62	No Illicit Discharge	None	normal	Y	Low	Under 10 ft	Portion of pipe unseated, some erosion control in the f	3 - Medium	2015
MR66				Y	Medium	10-100 ft		3 - Medium	
MR68				Y	Medium	10-100 ft		3 - Medium	
MR75				Y	Medium	Under 10 ft		3 - Medium	2015
MR79				Y	Low	Under 10 ft	Sediment buildup, undermining, overgrown vegetation	3 - Medium	2015
MR80				Y	Low	Under 10 ft	Very hidden , some undermining, pipe to the left	3 - Medium	2015
MR85				N			major sedimentation clogging	3 - Medium	2015
MR88				Y	Low	10-100 ft	Lots of sediment, 6 inches sediment	3 - Medium	2015
MR91				Y	Medium	10-100 ft		3 - Medium	
MR94				N			mostly covered with sediment	3 - Medium	2015

## Outfall Damage

Outfall_ID	OLD_ID	Is the discharge coming directly from a pipe?	Pipe Diameter [in] (if applicable)	Pipe Material	Distance to pipe from channel outlet (if applicable)	Channel Type (if applicable)	Date of Inspection	Outfall Condition	Bank Stability	Outfall Damage	Notes	Overall Priority
AC09	E0101	Y	30	Concrete			7/22/2022	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	(Sampled) Extreme undermining	5 - Highest
MR21	B0317	Y	24	Concrete			7/21/2022	Needs Repair	Fair	3 - Major Cracking or Corrosion	Pipe is intact, Foundation around pipe needs repair	4 - High
MR30	B0320	Y	18	Concrete			7/21/2022	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	Outfall still works but end piece fell off into stream, is causing erosion	4 - High
MR33	B0332	Y	18	Concrete			7/21/2022	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion	Severe erosion, Pipe collapsed, needs immediate attention	5 - Highest
MR51	C0204	Y	36	Concrete			7/22/2022	Needs Repair	Fair	3 - Major Cracking or Corrosion		4 - High
MR62	C0213	Y	30	Concrete			7/22/2022	Needs Repair	Fair	3 - Major Cracking or Corrosion	Portion of pipe unseated, some erosion control in the form of sticks and stones placed at outfall preventing worse erosion	3 - Medium
MR69		Y	30	Concrete			8/16/2022	Needs Repair	Fair	3 - Major Cracking or Corrosion	Pipe is cracked and disconnected	4 - High
MR93		Y					8/4/2022	Needs Repair	Needs Stabilization	3 - Major Cracking or Corrosion		4 - High
MR01		Y	40	Concrete			8/4/2022	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion		3 - Medium
MR17	B0313	Y	18	Metal			7/21/2022	Needs Repair	Needs Stabilization	2 - Moderate Cracking or Corrosion	Undermining; pipe is half buried with sediment; overall structure is collapsing	4 - High
MR26	B0322	Y	6	Concrete			7/21/2022	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	pipe subsided into stream	3 - Medium
MR27	B0325	Y	12	Concrete	36		7/21/2022	Proper condition	Fair	2 - Moderate Cracking or Corrosion	Part of concrete flow pad broken, but doesn't appear to be leading to major erosion issues	3 - Medium
MR35	B0331	Y	24	Concrete			7/21/2022	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	Undermining at the bottom	3 - Medium
MR38	B0209	Y	24	Concrete			7/21/2022	Needs Repair	Fair	2 - Moderate Cracking or Corrosion	20 ft concrete channel has moderate erosion and undermining is occurring	3 - Medium
MR42	B0205	Y	24	Concrete			7/21/2022	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion	Concrete channel leading to the stream, part of it is cracked and broken	3 - Medium
MR47	B0202	Y	8	Concrete			7/21/2022	Needs Repair	Fair	2 - Moderate Cracking or Corrosion	Outfall largely buried	3 - Medium
MR66		Y	40	Concrete			8/16/2022	Needs Maintenance	Fair	2 - Moderate Cracking or Corrosion		3 - Medium
MR77	E0201	Y	34	Metal			8/16/2022	Needs Maintenance		2 - Moderate Cracking or Corrosion	partially filled with sediment. pipe corroding	4 - High
MR80	D0206	Y	24	Metal			7/22/2022	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	Very hidden , some undermining, pipe to the left	3 - Medium
MR88	D0202	Y	34	Concrete			7/22/2022	Needs Maintenance	Good	2 - Moderate Cracking or Corrosion	Lots of sediment, 6 inches sediment	3 - Medium
MR94	E0214	Y	13	Concrete			7/22/2022	Needs Maintenance	Needs Stabilization	2 - Moderate Cracking or Corrosion	mostly covered with sediment	3 - Medium
AC01		Y	15	Concrete			8/4/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	Two pipes in one side of the bridge, other side might potentially have more pipes, but hard to access	1 - None
AC02		Y	28	Concrete			8/4/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	(Sampled)	2 - Low
AC06	D0101	Y	60	Concrete			8/16/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	minor cracking, major erosion likely caused by outfall	4 - High
AC07	D0102	Y	12	Concrete			7/22/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	Sediment burying half	2 - Low
AC08		Y	9	Concrete			8/16/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	partially submerged	2 - Low
AC10		Y	40	Concrete			8/4/2022	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	Major undermining present	4 - High
AC14	E0218	Y	18	Concrete			7/22/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	(Sampled) sediment and garbage inside	2 - Low
MR03		Y	25	Concrete			8/4/2022	Proper condition	Good	1 - Minor Cracking or Corrosion		1 - None
MR04		Y	36	Concrete			8/4/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion		2 - Low
MR05	A0302	Y	21	Concrete			7/22/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	Low point in ground directly outside of outfall	4 - High
MR06	A0303	Y	36	Concrete			7/22/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	(Reinspected, no flow) Sediment buildup, 2 downspouts nearby	4 - High
MR07	A0301	Y	24	Concrete			7/22/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	Cracking at exit, undermining	3 - Medium
MR08	B0309	Y	31	Concrete			7/21/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	(Sampled) Bamboo growth around outfall	4 - High
MR10	B0302	Y	13	Concrete			7/21/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	Sediment buildup, connected to catch basin 5 feet behind	3 - Medium
MR11	B0301	Y	36	Concrete			7/21/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	Looks like wrong pipe was inspected	2 - Low
MR13	B0304	Y	15	Concrete			7/21/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	(Sampled) Connects from outfall behind [formerly B0304]	2 - Low
MR20	B0316	Y	4	Plastic: PVC			7/21/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	sediment inside, looks like field drainfield	2 - Low
MR23	B0326	Y	19	Concrete			7/21/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	Stream has signs of increased erosion	3 - Medium
MR24	B0324	Y	30	Concrete			7/21/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	Located exactly to the right of another larger outfall	1 - None
MR28		Y	24	Concrete			7/21/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	Support wall starting to fail.	2 - Low
MR32	B0306	Y	17	Concrete			7/21/2022	Proper condition	Good	1 - Minor Cracking or Corrosion		1 - None
MR34	B0330	Y	33	Concrete			7/21/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion		2 - Low
MR36	B0329	Y	50	Concrete			7/21/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion	60" x39" pipe	3 - Medium
MR40	B0207	Y	24	Concrete			7/21/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	Trees causing channel to crack; 20 ft channel causing erosion	3 - Medium
MR48	C0201	Y	9	Metal			7/22/2022	Proper condition	Good	1 - Minor Cracking or Corrosion		2 - Low
MR49	C0202	Y	9	Metal			7/22/2022	Proper condition	Good	1 - Minor Cracking or Corrosion		2 - Low
MR52		Y	9	Plastic: HDPE			7/22/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion		2 - Low
MR53	C0205	Y	10	Concrete			7/22/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	halfway buried under soil	3 - Medium
MR54	C0206	Y	8	Concrete			7/22/2022	Proper condition	Good	1 - Minor Cracking or Corrosion		2 - Low
MR55	C0207	Y	30	Concrete			7/22/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion		2 - Low
MR56	C0208	Y	12	Metal			7/22/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	12 in diameter	2 - Low



## Outfall Damage

Outfall_ID	OLD_ID	Is the discharge coming directly from a pipe?	Pipe Diameter [in] (if applicable)	Pipe Material	Distance to pipe from channel outlet (if applicable)	Channel Type (if applicable)	Date of Inspection	Outfall Condition	Bank Stability	Outfall Damage	Notes	Overall Priority
MR59	C0211	Y	12	Unknown			7/22/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion		1 - None
MR61	C0214	Y	30	Concrete			7/22/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	minor sediment buildup	2 - Low
MR67	D0216	Y	50	Concrete			8/16/2022	Proper condition	Good	1 - Minor Cracking or Corrosion		1 - None
MR68		Y	24	Concrete			8/16/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion		3 - Medium
MR70		Y	30	Concrete			8/16/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	sedimentation buildup. 2 outfalls next to each other	2 - Low
MR72	D0213	Y	26	Concrete			8/16/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	minor sediment buildup, minor cracking	1 - None
MR73	D0214	Y	30	Concrete			8/16/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	partially submerged	1 - None
MR74		Y	15	Concrete			8/4/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	Light sediment buildup	2 - Low
MR75	D0215	N	36	Concrete	550	Vegetated	8/16/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion		3 - Medium
MR78	D0207	Y	26	Concrete			7/22/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	Pooling smelly substance and sediment inside, cats nearby, overgrown vegetation	4 - High
MR79	D0205	Y	24	Metal			7/22/2022	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	Sediment buildup, undermining, overgrown vegetation, directly adjacent to other outfall, pipe on the right	3 - Medium
MR83		Y	17	Concrete			8/4/2022	Proper condition	Good	1 - Minor Cracking or Corrosion	Captures water from street, facility	1 - None
MR84		Y	18	Concrete			8/4/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	Out behind a facility	1 - None
MR85	D0212	Y	24	Concrete			8/16/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	major sedimentation clogging	3 - Medium
MR87	D0201	Y	32	Concrete			7/22/2022	Needs Maintenance	Needs Stabilization	1 - Minor Cracking or Corrosion	Next to car wash, orange brown muck, undermining	4 - High
MR89		Y	18	Metal			7/22/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	Slight undermining	2 - Low
MR90	D0203	Y	32	Concrete			7/22/2022	Needs Maintenance	Good	1 - Minor Cracking or Corrosion	Slight undermining	2 - Low
MR91		N			36	Concrete	8/4/2022	Proper condition	Fair	1 - Minor Cracking or Corrosion		3 - Medium
MR95	E0213	Y	15	Concrete			7/22/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	halfway filled with trash and soil	2 - Low
MR96	E0212	Y	26	Concrete			7/22/2022	Needs Maintenance	Fair	1 - Minor Cracking or Corrosion	sediment inside	2 - Low

## Scouring

Outfall_ID	OLD_ID	Date of Inspection	Outfall Condition	Bank Stability	Stream Scour Present?	Scour Severity	Scour Extent	Notes	Overall Priority
AC06	D0101	8/16/2022	Needs Maintenance	Fair	Y	High	10-100 ft	minor cracking, major erosion likely caused by outfall	4 - High
MR08	B0309	7/21/2022	Proper condition	Fair	Y	High	10-100 ft	(Sampled) Bamboo growth around outfall	4 - High
MR21	B0317	7/21/2022	Needs Repair	Fair	Y	High	None	Pipe is intact, Foundation around pipe needs repair	4 - High
MR33	B0332	7/21/2022	Needs Repair	Needs Stabilization	Y	High	10-100 ft	Severe erosion, Pipe collapsed, needs immediate attention	5 -Highest
MR87	D0201	7/22/2022	Needs Maintenance	Needs Stabilization	Y	High	10-100 ft	Next to car wash, orange brown muck, undermining	4 - High
AC09	E0101	7/22/2022	Needs Repair	Needs Stabilization	Y	Medium	10-100 ft	(Sampled) Extreme undermining	5 -Highest
AC10		8/4/2022	Needs Maintenance	Needs Stabilization	Y	Medium	Under 10 ft	Major undermining present	4 - High
MR05	A0302	7/22/2022	Proper condition	Fair	Y	Medium	Over 100 ft	Low point in ground directly outside of outfall	4 - High
MR07	A0301	7/22/2022	Needs Maintenance	Fair	Y	Medium	Under 10 ft	Cracking at exit, undermining	3 - Medium
MR10	B0302	7/21/2022	Proper condition	Good	Y	Medium	10-100 ft	Sediment buildup, connected to catch basin 5 feet behind	3 - Medium
MR20	B0316	7/21/2022	Proper condition	Fair	Y	Medium	Under 10 ft	sediment inside, looks like field drainfield	2 - Low
MR30	B0320	7/21/2022	Needs Repair	Needs Stabilization	Y	Medium	Under 10 ft	Outfall still works but end piece fell off into stream, is causing erosion	4 - High
MR36	B0329	7/21/2022	Proper condition	Fair	Y	Medium	Under 10 ft	60" x39" pipe	3 - Medium
MR38	B0209	7/21/2022	Needs Repair	Fair	Y	Medium	Under 10 ft	20 ft concrete channel has moderate erosion and undermining is occurring	3 - Medium
MR40	B0207	7/21/2022	Needs Maintenance	Fair	Y	Medium	Under 10 ft	Trees causing channel to crack; 20 ft channel causing erosion	3 - Medium
MR42	B0205	7/21/2022	Needs Maintenance	Fair	Y	Medium	10-100 ft	Concrete channel leading to the stream, part of it is cracked and broken	3 - Medium
MR51	C0204	7/22/2022	Needs Repair	Fair	Y	Medium	10-100 ft		4 - High
MR66		8/16/2022	Needs Maintenance	Fair	Y	Medium	10-100 ft		3 - Medium
MR68		8/16/2022	Needs Maintenance	Fair	Y	Medium	10-100 ft		3 - Medium
MR75	D0215	8/16/2022	Needs Maintenance	Fair	Y	Medium	Under 10 ft		3 - Medium
MR77	E0201	8/16/2022	Needs Maintenance		Y	Medium	Under 10 ft	partially filled with sediment. pipe corroding	4 - High
MR78	D0207	7/22/2022	Needs Maintenance	Fair	Y	Medium	10-100 ft	Pooling smelly substance and sediment inside, cats nearby, overgrown vegetation	4 - High
MR91		8/4/2022	Proper condition	Fair	Y	Medium	10-100 ft		3 - Medium
MR93		8/4/2022	Needs Repair	Needs Stabilization	Y	Medium	10-100 ft		4 - High
MR06	A0303	7/22/2022	Proper condition	Fair	Y	Low	Over 100 ft	(Reinspected, no flow) Sediment buildup, 2 downspouts nearby	4 - High
MR11	B0301	7/21/2022	Proper condition	Good	Y	Low	Under 10 ft	Looks like wrong pipe was inspected	2 - Low
MR23	B0326	7/21/2022	Proper condition	Fair	Y	Low	Under 10 ft	Stream has signs of increased erosion	3 - Medium
MR24	B0324	7/21/2022	Proper condition	Fair	Y	Low	Under 10 ft	Located exactly to the right of another larger outfall	1 - None
MR27	B0325	7/21/2022	Proper condition	Fair	Y	Low	Under 10 ft	Part of concrete flow pad broken, but doesn't appear to be leading to major erosion issues	3 - Medium
MR32	B0306	7/21/2022	Proper condition	Good	N	Low	None		1 - None
MR47	B0202	7/21/2022	Needs Repair	Fair	Y	Low	Under 10 ft	Outfall largely buried	3 - Medium
MR49	C0202	7/22/2022	Proper condition	Good	Y	Low	Under 10 ft		2 - Low
MR52		7/22/2022	Needs Maintenance	Good	Y	Low	Under 10 ft		2 - Low
MR53	C0205	7/22/2022	Needs Maintenance	Good	Y	Low	Under 10 ft	halfway buried under soil	3 - Medium
MR54	C0206	7/22/2022	Proper condition	Good	Y	Low	Under 10 ft		2 - Low
MR55	C0207	7/22/2022	Proper condition	Fair	Y	Low	Under 10 ft		2 - Low
MR56	C0208	7/22/2022	Proper condition	Good	N	Low	10-100 ft	12 in diameter	2 - Low

## Scouring

Outfall_ID	OLD_ID	Date of Inspection	Outfall Condition	Bank Stability	Stream Scour Present?	Scour Severity	Scour Extent	Notes	Overall Priority
MR62	C0213	7/22/2022	Needs Repair	Fair	Y	Low	Under 10 ft	Portion of pipe unseated, some erosion control in the form of sticks and stones placed at outfall preventing worse erosion	3 - Medium
MR69		8/16/2022	Needs Repair	Fair	Y	Low	Under 10 ft	Pipe is cracked and disconnected	4 - High
MR74		8/4/2022	Proper condition	Good	Y	Low	Under 10 ft	Light sediment buildup	2 - Low
MR79	D0205	7/22/2022	Needs Maintenance	Needs Stabilization	Y	Low	Under 10 ft	Sediment buildup, undermining, overgrown vegetation, directly adjacent to other outfall, pipe on the right	3 - Medium
MR80	D0206	7/22/2022	Needs Maintenance	Needs Stabilization	Y	Low	Under 10 ft	Very hidden , some undermining, pipe to the left	3 - Medium
MR88	D0202	7/22/2022	Needs Maintenance	Good	Y	Low	10-100 ft	Lots of sediment, 6 inches sediment	3 - Medium
MR89		7/22/2022	Needs Maintenance	Good	Y	Low	Under 10 ft	Slight undermining	2 - Low
MR95	E0213	7/22/2022	Needs Maintenance	Fair	Y	Low	Under 10 ft	halfway filled with trash and soil	2 - Low
MR96	E0212	7/22/2022	Needs Maintenance	Fair	Y	Low	Under 10 ft	sediment inside	2 - Low

## Suspected Illicit Discharge

Outfall_ID	OLD_ID	Subwatershed	Date of Inspection	Date of Last Rain	Last Rain Amount [in]	Is the pipe fully or partially submerged?	Are there known non-stormwater discharges?	Rainfall Last 72hrs?	Dry Weather Flow?	Illicit Discharge Suspected?	Odor
AC02		Assunpink Creek	8/4/2022	8/1/2022	0.51	Y (Partially Submerged)	N	N	Y	Y	None
AC09	E0101	Assunpink Creek	7/22/2022	7/17/2022	0.38	N	N	N	Y	Y	None
AC14	E0218	Assunpink Creek	7/22/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR06	A0303	Miry Run	7/22/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR08	B0309	Miry Run	7/21/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR13	B0304	Miry Run	7/21/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR14	B0310	Miry Run	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)	N	N	Y	Y	None
MR18	B0312	Miry Run	7/21/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR19	B0311	Miry Run	7/21/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR23	B0326	Miry Run	7/21/2022	7/17/2022	0.38	Y (Partially Submerged)	N	N	N	Y	None
MR25	B0323	Miry Run	7/21/2022	7/17/2022	0.38	N	N	N	Y	Y	None
MR36	B0329	Miry Run	7/21/2022	7/17/2022	0.38	N	N	N	Y	Y	None

## Suspected Illicit Discharge

Outfall_ID	Color	Turbidity	Floatables	Deposits or Stains	Adjacent Vegetation (compared to other areas)	Notes	Overall Priority
AC02	Clear	Clear	None	None	normal	(Sampled)	2 - Low
AC09	Clear	Clear	None	None	normal	(Sampled) Extreme undermining	5 - Highest
AC14	Brown	Cloudy	Other	Excessive sediments	normal	(Sampled) sediment and garbage inside	2 - Low
MR06	Gray	Cloudy	None	None	normal	(Reinspected, no flow) Sediment buildup, 2 downspouts nearby	4 - High
MR08	Clear	Clear	None	Grayish-Black	normal	(Sampled) Bamboo growth around outfall	4 - High
MR13	Clear	Clear	None	None	normal	(Sampled) Connects from outfall behind [formerly B0304]	2 - Low
MR14	Clear	Clear	None	None	normal	(Sampled) Some sediment buildup in pipe, significant erosion upstream of outfall from culvert	2 - Low
MR18	Clear	Clear	None	None	normal	(Reinspected, no flow) Starting to undermine a little	2 - Low
MR19	Clear	Clear	None	None	normal	(Sampled)	2 - Low
MR23	Clear	Clear	None	None	normal	(Reinspected, no flow) Stream has signs of increased erosion	3 - Medium
MR25	Clear	Clear	None	Grayish-Black	normal	(Sampled)	2 - Low
MR36	Clear	Clear	None	None	normal	(no flow) 60" x39" pipe	3 - Medium

## Outfalls Removed from Database

OLD_ID *	Subwatershed	Is the discharge coming directly from a pipe?	Pipe Diameter [in] (if applicable)	Pipe Material	Notes	Previous Notes	Priority Previous	Year Assessed Previous
n/a	Miry Run	Y	24		Inflow for basin, not a true outfall		High	2015
B0305	Miry Run				Not an outfall, culvert connecting tributaries		Low	2015
B0318	Miry Run	Y	15	Concrete	Culvert, not an outfall	pipe has broken into 2 pieces	High	2015
B0327	Miry Run				natural gully, not an outfall	it is not a pipe, it is gully or erosion presented channel	Low	2015
B0328	Miry Run				natural gully, not an outfall	it is not a pipe, it is a erosion presented gully	Low	2015
B0330pipr	Miry Run			Concrete	Does not exist	pipe not accessible by foot	Medium	2015
E0216	Assunpink Creek	Y		Concrete	Picture of E0217, scupper under bridge combining with other scuppers		Low	2015
E0219	Assunpink Creek	Y	28	Concrete	was unable to get direct asses for a clear picture, Combining with other scuppers		Low	2015
E0220	Assunpink Creek	Y	28	Concrete	Combining with other scuppers, add photo to other point	pipe is dry	Low	2015