GEWALT HAMILTON ASSOCIATES, INC.

Outfall, Basin & Streambank Inspection Report

Fremont Township

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GHA Project # 4191.009

Outfall, Basin & Streambank Inspection Report

Fremont Township, Illinois

Summer 2011

OUTFALL, BASIN & STREAMBANK INSPECTION REPORT

Fremont Township

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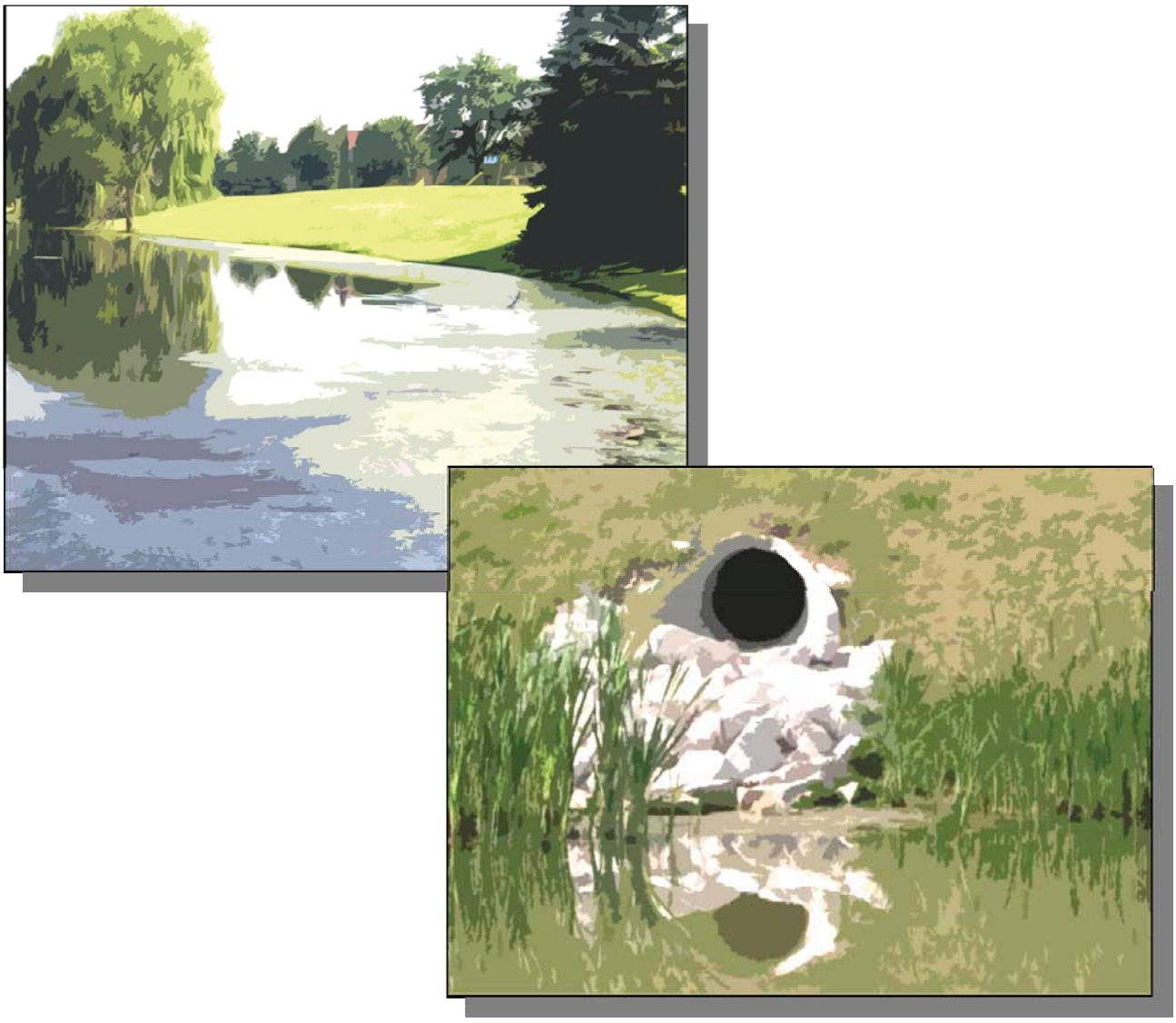

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TABLE OF CONTENTS

Section 1
Inspection Report Introduction

Section 2
Outfall Location Maps and Summary

Section 3
Outfall Inspection Forms and Photos

Section 4
Basin Inspection Summary, Map and Photos

Section 5
Streambank Inspection Summary, Map and Photos

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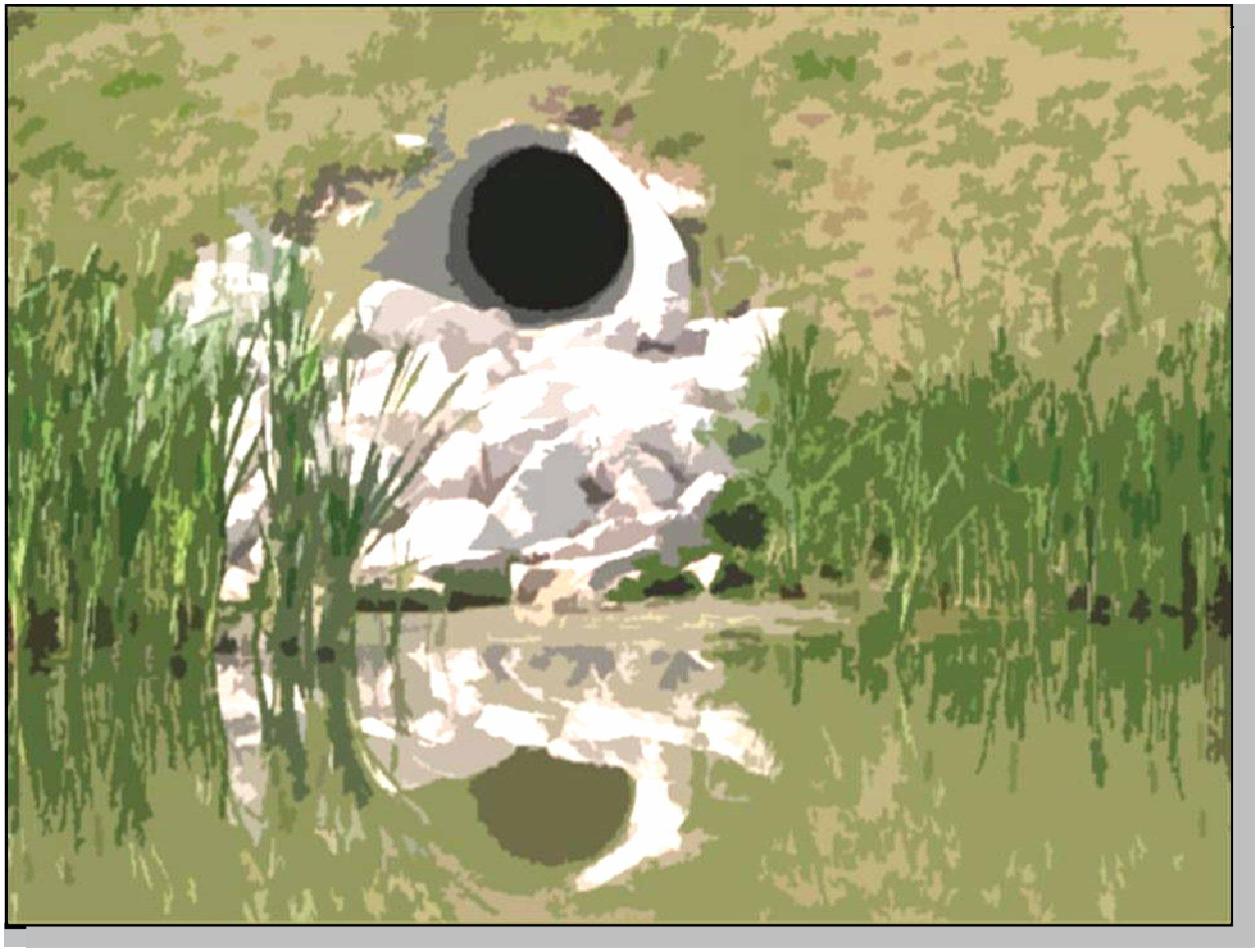
Section 1

Inspection Report Introduction



GEWALT HAMILTON ASSOCIATES, INC.

Annual MS4 Inspection Report Introduction

Federal regulations through the USEPA require that all Municipal Separate Storm Sewer Systems (MS4s), partially or fully in urbanized areas based on the 2000 census, obtain storm water permits for their discharges into receiving waters. Storm water runoff naturally contains numerous constituents; however, urbanization and urban activities (including township activities) typically increase concentrations to levels that may impact water quality. Pollutants associated with storm water include sediment, nutrients, bacteria and viruses, oil and grease, metals, organics, pesticides, and gross pollutants. Regulated systems include the conveyance or system of conveyances including roads with drainage systems, streets, catch basins, gutters, ditches, swales, manmade channels or storm sewers. Fremont Township is considered an MS4 community and therefore must follow the regulations of the Illinois Environmental Protection Agency's (IEPA) NPDES General Permit No. ILR40 for Discharges from Small Municipal Separate Storm Sewer Systems. As part of this permit, MS4s are required to:

1. Conduct annual inspections of the storm sewer outfalls.
2. Address post-construction runoff control from new development and redevelopment projects, public surfaces and existing developed property. This requirement is met by conducting annual basin inspections.

This report presents the results of the 2011 outfall, basin and streambank inspections for Fremont Township, Illinois. Within this report, the Township's outfall inspection summary table, location maps and inspection forms and photos can be found in Sections 2 and 3 respectively. The outfall inspection data form is used to complete outfall inspections and an example form can be found at the end of this section. This data form is divided into five parts: background data, outfall description, physical indicators, physical indicators for flowing outfalls only and non-illicit discharge concerns.

The first part of the data form notes background information. This information includes: subwatershed, outfall ID, date, time, temperature, inspector, previous 48 hours precipitation, photo numbers (if taken) and land use in drainage area.

The second part of the form describes the outfall. There are separate rows for closed and open drainage. The appropriate row will be filled out with the material (reinforced concrete, corrugated metal, polyvinyl chloride, high density polyethylene, steel, or clay/drain tile), shape, dimensions and amount of the culvert submerged.

The third part of the outfall inspection data form addresses physical indicators. The presence of damage, deposits, stains, abnormal vegetation, poor pool quality, pipe algae and flow is determined. If present, a description of the indicator will be selected on the form and additional comments regarding the indicator will be noted in the comments section.

The physical indicators for the flowing outfalls part of the form will only be filled in if there is flow at the outfall during the inspection. In this case the outfall is inspected for odor, color, turbidity and floatables. If any of the listed parameters are present, they will be indicated on the data form and both a description and a severity index will be assigned to them.

Any additional concerns or comments regarding non-illicit discharge at the outfall can be found at the end of the outfall inspection data form.

Annual MS4 Inspection Report Introduction

The Township's basin inspection information can be found in Section 4 of this report. Basins are inspected for flood height, general condition, control structure condition, erosion and abnormal vegetation. A table can be found in Section 4 which addresses all of these parameters. Additionally, basin location maps are provided in this section.

The Township's streambank inspection information can be found in Section 5 of this report. Streambanks are inspected for obstructions, abnormal vegetation and erosion. A summary of the locations inspected and eth inspection observations can be found in Section 5. Additionally pictures documenting inspection observations are provided in this section.

SAMPLE Outfall Inspection Data Form

Section 1: Background Data

Subwatershed:	Outfall ID:	
Date:	Time:	
Temperature:	Inspector(s):	
Previous 48 Hours Precipitation:	Photos Taken (Y/N)	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☐ Commercial Other: _____ Known Industries: _____ ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: ____	☐ Single ☐ Double ☐ Triple ☐ Other:_____	Diameter/ Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N):			
Flow Present?	☐ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

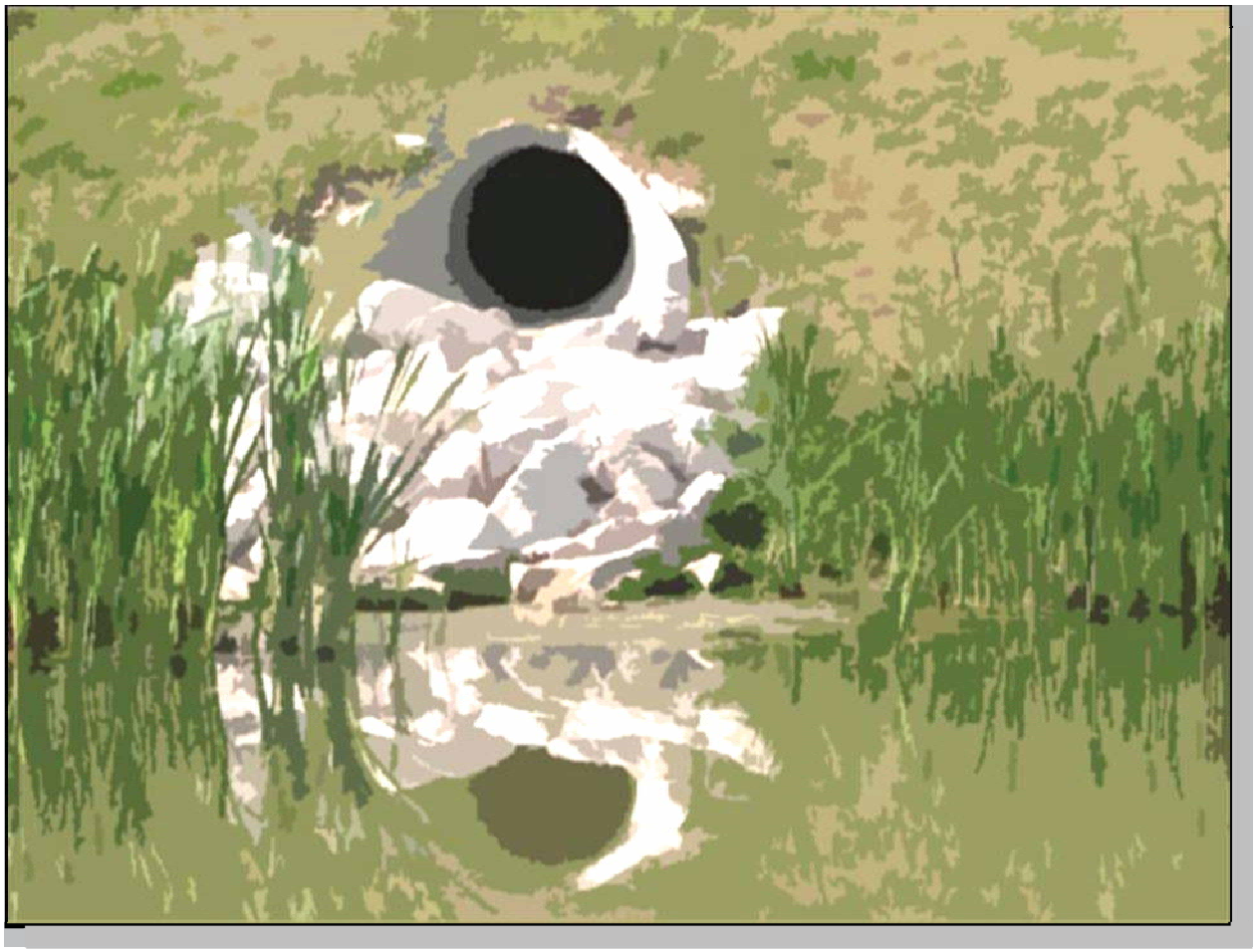
Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

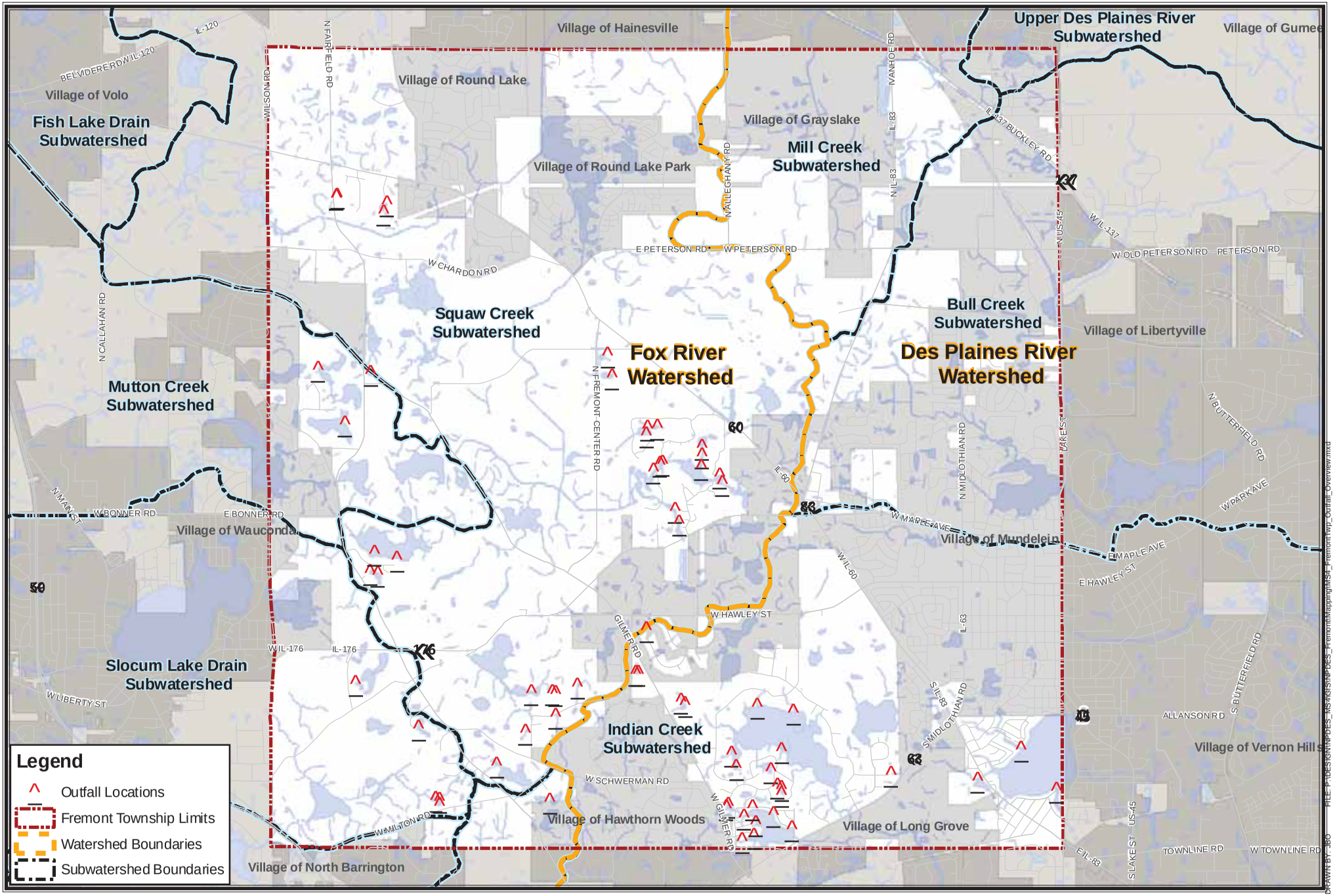
Section 2

Outfall Location Maps and Summary



Outfall Location Maps and Summary Form

An inspection of the Township's outfalls is conducted annually, as required by the NPDES General Permit No. ILR40. These inspections are conducted by consulting outfall location maps, which can be found in this section. An outfall inspection summary of the 2011 inspections is also located in this section. This summary form is made up of compiled data from the Outfall Inspection Data Forms, which can be found in Section 3.



Sources: Lake County
ESRI Street Data

O

Feet 0 5,000

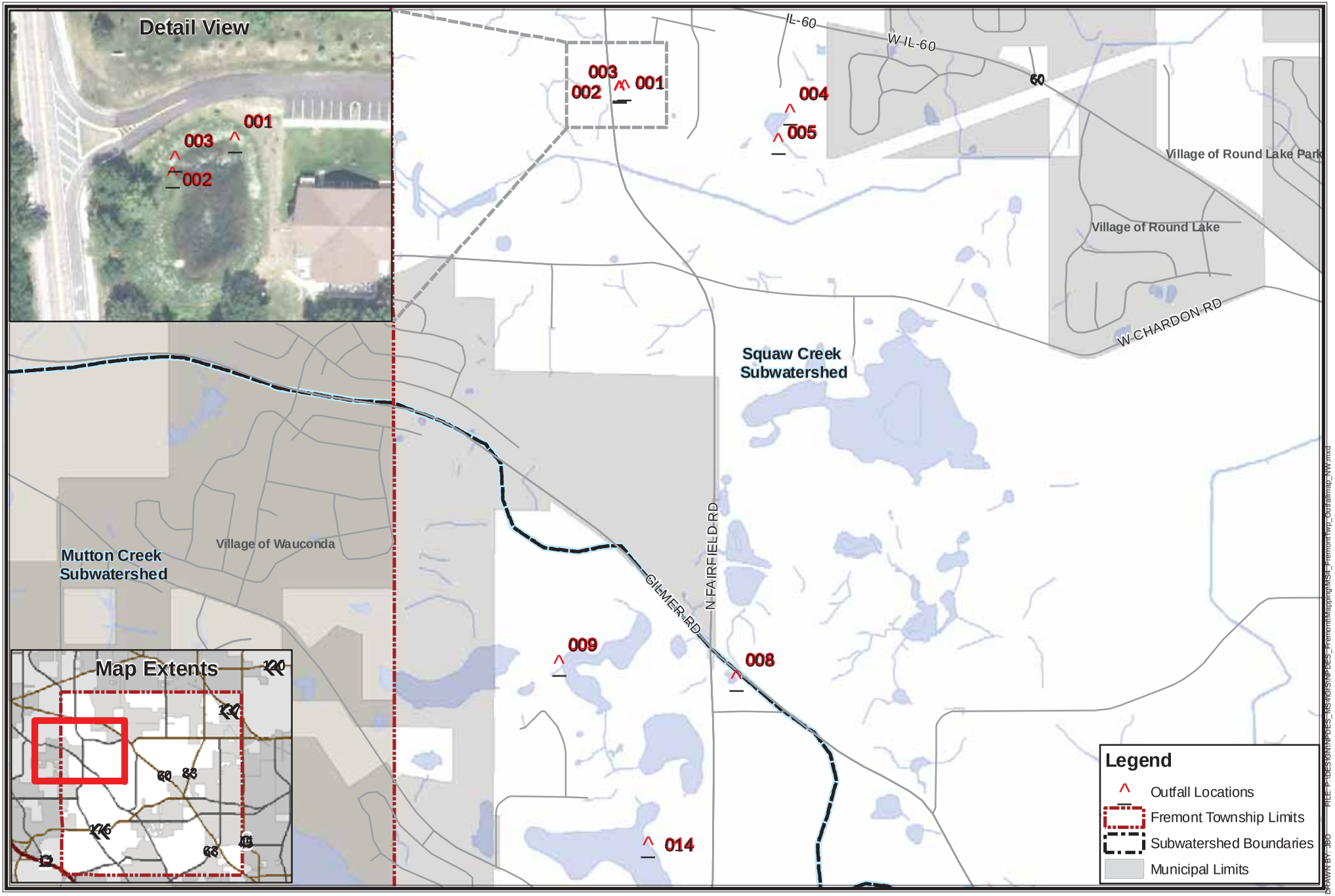
1 inch = 5,000 feet

MS4 Outfall Location Map
Outfall Location Overview
Fremont Township, IL

GEWALT HAMILTON
ASSOCIATES, INC.

Project: 4191.699
Map Code: 288811x8
DATE: 2/5/2010

DRAWN BY: JBO FILE PTDESIGN\PDES_MS4\SNPDES_FremontMapping\MS4_FremontTwp_Outfall_Overview.mxd



Sources: Lake County
ESRI Street Data

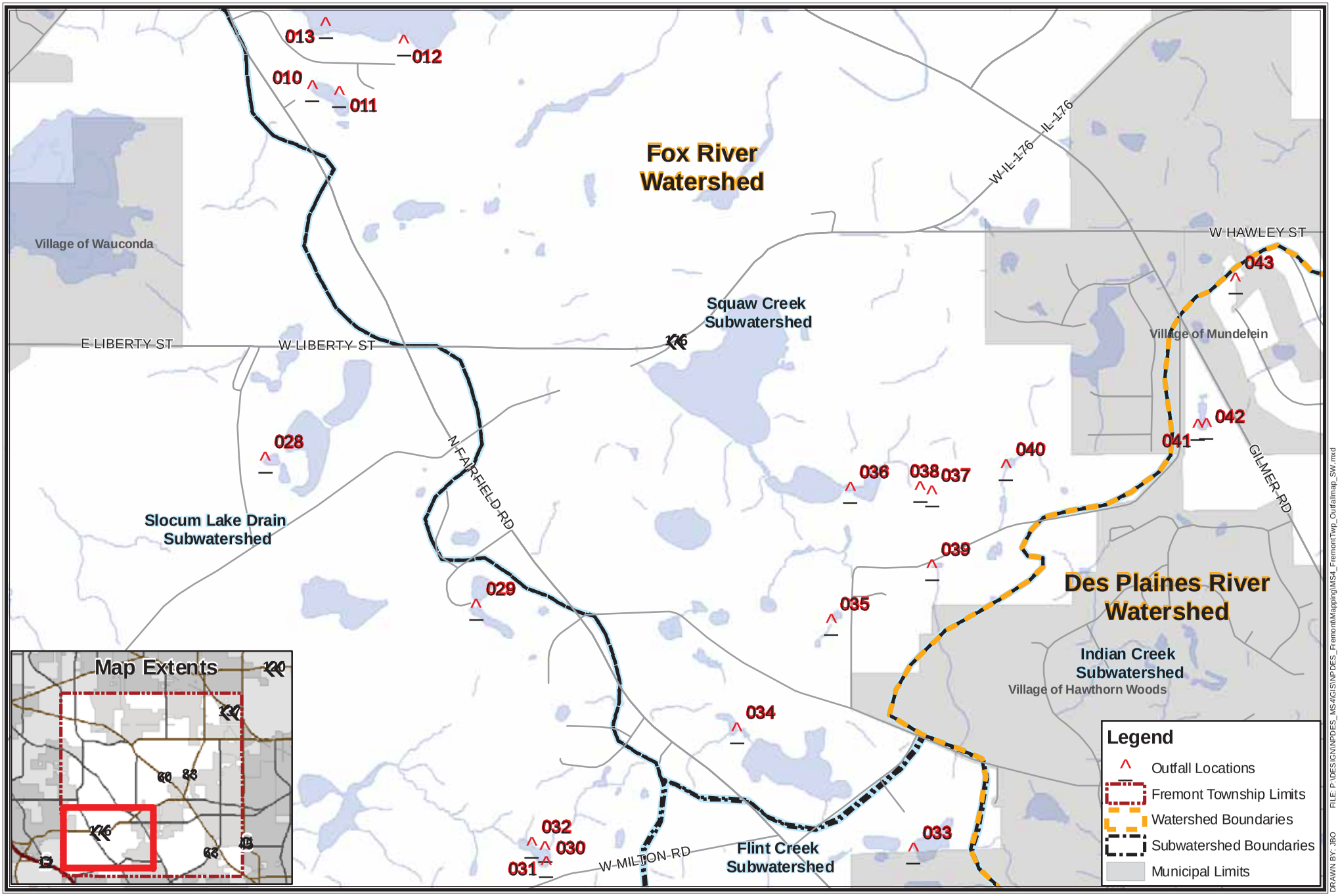
0 Feet 0 1,500
1 inch = 1,500 feet

MS4 Outfall Location Map
Northwest Map (1 of 4)
Fremont Township, IL

GEWALT HAMILTON
ASSOCIATES, INC.

Project: 4191.699
Map Code: 289011x8
DATE: 2/5/2010

DRAWN BY: JBO FILE P:\DESIGN\PDES_MS4\SNPDES_FremontMapping\MS4_FremontTwp_OutfallMap_NW.mxd



Sources: Lake County
ESRI Street Data

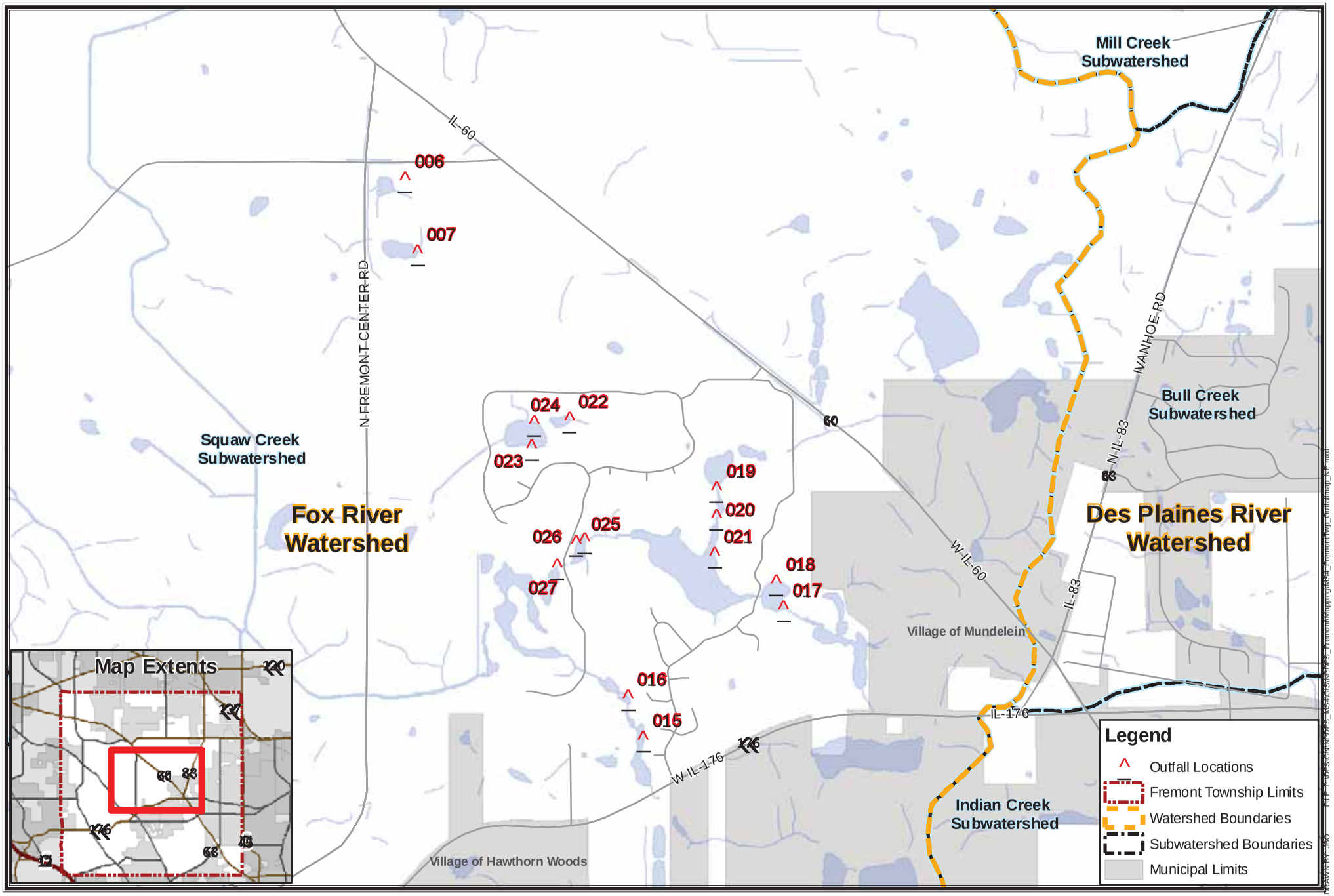
N

Feet 0 1,500
1 inch = 1,500 feet

MS4 Outfall Location Map
Southwest Map (2 of 4)
Fremont Township, IL

GEWALT HAMILTON ASSOCIATES, INC.

Project: 4191.699
Map Code: 289211x8
DATE: 2/5/2010



Sources: Lake County
ESRI Street Data

1 inch = 1,500 feet

MS4 Outfall Location Map
Northeast Map (3 of 4)
Fremont Township, IL

GEWALT HAMILTON ASSOCIATES, INC.

Project: 4191.699
Map Code: 288911x8
DATE: 2/5/2010

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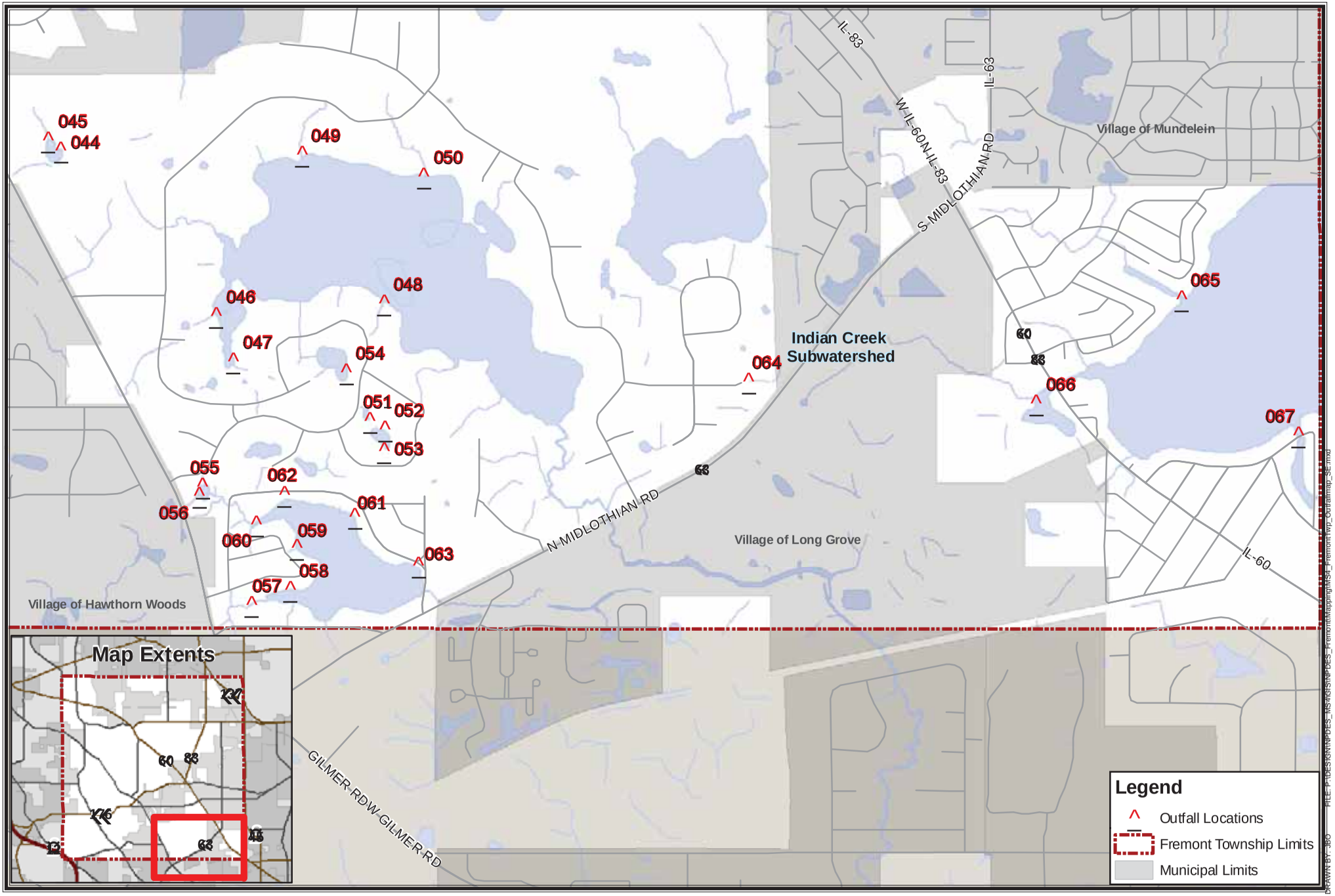


Sources: Lake County
ESRI Street Data

1 inch = 1,500 feet

MS4 Outfall Location Map
Southeast Map (4 of 4)
Fremont Township, IL

GEWALT HAMILTON ASSOCIATES, INC.

Project: 4191.699
Map Code: 289111x8
DATE: 2/5/2010

DRAWN BY: JBO FILE P:\DESIGN\PDES_MS4\GIS\PDES_FremontMapping\MS4_FremontTwp_OutfallMap_SE.mxd

Outfall Inspection Summary
Year 9
Fremont Township

ID #	Sub-Watershed	Date	Past 48 hrs Precipitation	Land Use	Type	Material	Size	Submerged	Possible Illicit Discharge	Flow	Physical Indicators (Flowing Outfalls)	Non-Illicit Discharge Concerns
1	Squaw Creek	11/7/11	None	Residential	StormSewer	RCP	12"	No	No	None	None	None
2	Squaw Creek	11/7/11	None	Residential	StormSewer	RCP	12"	No	No	None	None	None
3	Squaw Creek	11/7/11	None	Open Space	StormSewer	RCP	12"	No	No	None	None	None
4	Squaw Creek	11/7/11	None	Residential	StormSewer	CMP	10"	No	No	None	None	None
5	Squaw Creek	11/7/11	None	Residential	StormSewer	CMP	10"	No	No	None	None	None
6	Squaw Creek	11/7/11	None	Open Space	StormSewer	CMP	15"	Partially	No	None	None	None
7	Squaw Creek	11/7/11	None	Open Space	StormSewer	PVC	6"	Partially	No	Trickle	None	None
8	Mutton Creek	11/7/11	None	Residential	StormSewer	Steel	10"	No	No	None	None	None
9	Mutton Creek	11/7/11	None	Open Space	StormSewer	CMP	12"	Partially	No	Trickle	None	None
10	Squaw Creek	11/2/11	None	Residential	StormSewer	RCP	12"	Fully	No	None	None	None
11	Squaw Creek	11/2/11	None	Residential	StormSewer	RCP	12"	Partially	No	None	None	Chipping is occuring on the flared end section
12	Squaw Creek	11/2/11	None	Residential	StormSewer	RCP	12"	No	No	None	None	Erosion around the outfall
13	Squaw Creek	11/2/11	None	Residential	StormSewer	RCP	24"	Fully	No	None	None	None
14	Mutton Creek	11/7/11	None	Residential	StormSewer	CMP	12"	Partially	No	Trickle	None	None
15	Squaw Creek	11/7/11	None	Residential	StormSewer	RCP	36"	Partially	No	None	None	None
16	Squaw Creek	11/7/11	None	Residential	StormSewer	RCP	30"	Partially	No	None	None	Sinkhole above the flared end section
17	Squaw Creek	11/7/11	None	Open Space	StormSewer	CMP	17"	Partially	No	Trickle	None	None

Outfall Inspection Summary
Year 9
Fremont Township

ID #	Sub-Watershed	Date	Past 48 hrs Precipitation	Land Use	Type	Material	Size	Submerged	Possible Illicit Discharge	Flow	Physical Indicators (Flowing Outfalls)	Non-Illicit Discharge Concerns
18	Squaw Creek	11/7/11	None	Open Space	StormSewer	RCP	17"	Partially	No	None	None	None
19	Squaw Creek	11/7/11	None	Open Space	OpenDrainage	Earthen	D: 2.5' TW: 7' BW: 5'	N/A	No	Trickle	None	None
20	Squaw Creek	11/7/11	None	Open Space	StormSewer	CMP	17"	Partially	No	Trickle	None	None
21	Squaw Creek	11/7/11	None	Open Space	StormSewer	PVC	10"	Partially	No	None	None	None
22	Squaw Creek	11/7/11	None	Open Space	StormSewer	PVC	8"	Partially	No	Trickle	None	None
23	Squaw Creek	11/7/11	None	Open Space	StormSewer	HDPE	21"	Partially	No	None	None	None
24	Squaw Creek	11/7/11	None	Open Space	StormSewer	HDPE	17"	Partially	No	None	None	None
25	Squaw Creek	11/7/11	None	Residential	OpenDrainage	Earthen	D: 5" TW: 5' BW: 4'	N/A	No	Moderate	None	None
26	Squaw Creek	11/7/11	None	Residential	StormSewer	HDPE	12"	Fully	No	None	None	None
27	Squaw Creek	11/7/11	None	Residential	StormSewer	RCP	48"	Partially	No	Trickle	None	None
28	Slocum Lake Drain	11/2/11	None	Instutitional	StormSewer	RCP	12"	No	No	None	None	None
29	Slocum Lake Drain	11/2/11	None	Residential	StormSewer	CMP	12"	No	No	None	None	None
30	Slocum Lake Drain	11/2/11	None	Residential	StormSewer	PVC	10"	Partially	No	None	None	None
31	Slocum Lake Drain	11/2/11	None	Residential	StormSewer	RCP	17"	Partially	No	None	None	None
32	Slocum Lake Drain	11/2/11	None	Residential	StormSewer	RCP	12"	Partially	No	None	None	None
33	Flint Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 1' TW: 10' BW: 10'	N/A	No	None	None	None
34	Squaw Creek	11/2/11	None	Residential	StormSewer	PVC	10"	Partially	No	None	None	None

Outfall Inspection Summary
Year 9
Fremont Township

ID #	Sub-Watershed	Date	Past 48 hrs Precipitation	Land Use	Type	Material	Size	Submerged	Possible Illicit Discharge	Flow	Physical Indicators (Flowing Outfalls)	Non-Illicit Discharge Concerns
35	Squaw Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 1' TW: 2' BW: 1'	N/A	No	None	None	None
36	Squaw Creek	11/12/11	None	Open Space	StormSewer	HDPE	15"	Partially	No	None	None	None
37	Squaw Creek	11/2/11	None	Commercial	StormSewer	RCP	12"	Partially	No	None	None	None
38	Squaw Creek	11/2/11	None	Commercial	StormSewer	RCP	12"	No	No	None	None	Excessive vegeation around the outfall
39	Squaw Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 1' TW: 4' BW: 2'	N/A	No	None	None	None
40	Squaw Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 6" TW: 4' BW: 3'	N/A	No	None	None	None
41	Indian Creek	11/2/11	None	Commercial	StormSewer	PVC	6"	No	No	Trickle	None	None
42	Indian Creek	11/2/11	None	Commercial	StormSewer	PVC	8"	No	No	None	None	None
43	Indian Creek	11/2/11	None	Open Space	StormSewer	RCP	12"	Partially	No	None	None	None
44	Indian Creek	11/2/11	None	Residential	OpenDrainage	Rip-rap	D: 1.5' TW: 6' BW: 4'	N/A	No	None	None	None
45	Indian Creek	11/2/11	None	Residential	StormSewer	CMP	17"	No	No	Trickle	None	Pipe recently replaced
46	Indian Creek	11/2/11	None	Residential	StormSewer	HDPE	12"	Partially	No	None	None	None
47	Indian Creek	11/2/11	None	Residential	StormSewer	HDPE	17"	Fully	No	None	None	Upstream end of pipe elevated off the ground
48	Indian Creek	11/2/11	None	Residential	OpenDrainage	Rip-rap	D: 1' TW: 3' BW: 1'	N/A	No	None	None	None
49	Indian Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 3' TW: 10' BW: 8'	N/A	No	None	None	None
50	Indian Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 1' TW: 6' BW: 5'	N/A	No	None	None	Tree debris around the mouth of the creek
51	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	12"	Fully	No	None	None	None

Outfall Inspection Summary
Year 9
Fremont Township

ID #	Sub-Watershed	Date	Past 48 hrs Precipitation	Land Use	Type	Material	Size	Submerged	Possible Illicit Discharge	Flow	Physical Indicators (Flowing Outfalls)	Non-Illicit Discharge Concerns
52	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	17"	No	No	None	None	Flared end section is separating from the pipe
53	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	12"	Partially	No	None	None	None
54	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	17"	Fully	No	None	None	None
55	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	15"	Partially	No	None	None	None
56	Indian Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 6" TW: 4' BW: 3.5'	N/A	No	None	None	None
57	Indian Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 4" TW: 2.5' BW: 2'	N/A	No	Trickle	None	None
58	Indian Creek	11/2/11	None	Residential	StormSewer	PVC	12"	No	No	None	None	None
59	Indian Creek	11/2/11	None	Residential	StormSewer	HDPE	12"	Partially	No	None	None	None
60	Indian Creek	11/2/11	None	Residential	OpenDrainage	Earthen	D: 6" TW: 3' BW: 2.5'	N/A	No	Moderate	None	None
61	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	17"	No	No	None	None	None
62	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	24"	No	No	None	None	None
63	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	17"	No	No	Trickle	None	None
64	Indian Creek	11/2/11	None	Residential	StormSewer	RCP	12"	No	No	None	None	Outfall is completely inhibited by sediment
65	Indian Creek	11/7/11	None	Residential	OpenDrainage	Earthen	D: N/A TW: 15' BW: 15'	N/A	No	None	None	None
66	Indian Creek	11/7/11	None	Open Space	OpenDrainage	Earthen	D: 1' TW: 10' BW: 10'	N/A	No	Trickle	None	None
67	Indian Creek	11/2/11	None	Open Space	OpenDrainage	Earthen	D: N/A TW:50' BW: 50'	N/A	No	None	None	None

Section 3

Outfall Inspection Forms and Photos

Outfall Inspections

An inspection of the Township's outfalls is conducted annually, as required by the NPDES General Permit No. ILR40. These inspections are completed using the Outfall Inspection Data Form. These forms, as well as corresponding pictures of the outfalls inspected, can be found in this section. Compiled data from these forms can be found in the Outfall Inspection Summary form located in Section 2.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Headwaters Squaw Creek	Outfall ID: 001	
Date: 11/7/11	Time: 10:21 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 002	
Date: 11/7/11	Time: 10:23 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries: ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Leaves and debris in outfall.

Comment: Close-up of the outfall filled with debris.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 003	
Date: 11/7/11	Time: 10:23 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☐ Commercial Other: Known Industries: ☒ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☐ Colors ☐ Floatables ☒ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 004	
Date: 11/7/11	Time: 10:07 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Access behind 30898 Manor Hill Road.

Remove leaves in outfall.

Comment: Close-up of outfall filled with leaves.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 005	
Date: 11/7/11	Time: 10:10 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Access behind 30898 Manor Hill Road.

Comment: Close-up of the outfall with vegetation growing in the pipe.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Headwaters Squaw Creek	Outfall ID: 006	
Date: 11/7/11	Time: 12:09 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 15"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☒ Corrosion	Grate
Deposits/Stains	☒	☐ Oily ☒ Flow Line ☐ Paint ☐ Other: Grate	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall. Note the vegetation growing in pipe and corrosion on the grate.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 007	
Date: 11/7/11	Time: 12:22 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☐ Commercial Other: Known Industries: ☒ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 6"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☒ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	Pool appears turbid
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☒	See severity	☐ 1–Slight cloudiness	☒ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged under the water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Mutton Creek	Outfall ID: 008	
Date: 11/7/11	Time: 11:07 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☒ Other: DIP	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 10"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No		
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Access off of Gilmer road just past the overpass (east). Note: a metal cap is partially inhibiting the pipe.

Comment: Metal cap partially covering the end of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Mutton Creek	Outfall ID: 009	
Date: 11/7/11	Time: 11:43 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Follow the path behind 29495 N. Baker Lane. The outfall should be apparent.

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 010	
Date: 11/2/11	Time: 4:50 PM	
Temperature: 62 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries: ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: The outfall is fully submerged.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 011	
Date: 11/2/11	Time: 4:45 PM	
Temperature: 62 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial ☐ Open Space ☐ Institutional	Other:	Known Industries:

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

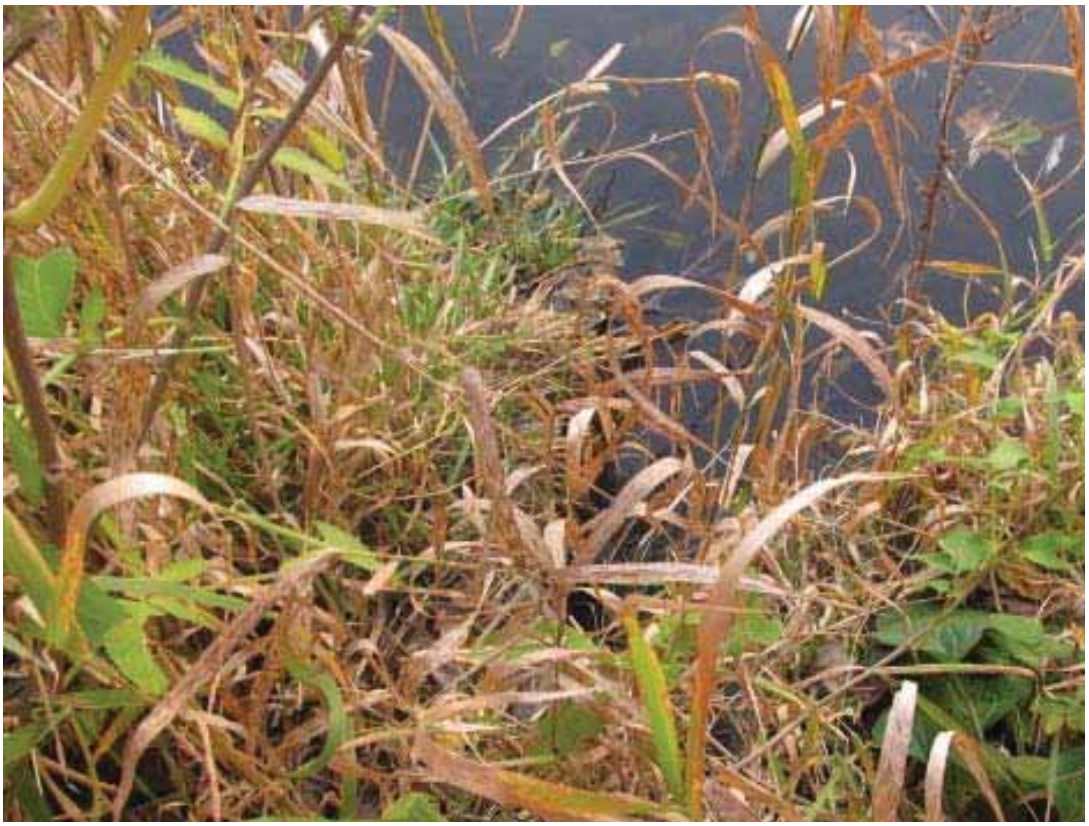
INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Dense vegetation surronding outfall, may be difficult to see.



Comment: Close-up of outfall partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 012	
Date: 11/2/11	Time: 4:34 PM	
Temperature: 62 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial ☐ Open Space ☐ Institutional	Other:	Known Industries:

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Dense vegetation surrounding outfall making it difficult to locate. Wood planks should be removed.

Comment: Several boards cover the top of the flared end section.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 013	
Date: 11/2/11	Time: 4:18 PM	
Temperature: 62 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial ☐ Open Space ☐ Institutional	Other:	Known Industries:

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 24"	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall extends 50 feet out and is fully submerged.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Mutton Creek	Outfall ID: 014	
Date: 11/7/11	Time: 11:20 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☒	☐ Oily ☒ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Access: ring bell at 29201 Fairfield Road before entering. Owner is friendly. Recommend removing bush from immediate vicinity of the outfall.

Comment: Close-up of outfall. Note corrosion on the flow line.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 015	
Date: 11/7/11	Time: 2:26 PM	
Temperature: 59 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 36"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 016	
Date: 11/7/11	Time: 2:19 PM	
Temperature: 59 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 30"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☒ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	Grey film around the outfall
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): Yes			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Sinkhole in the grass above the FES.

Comment: Note the sink hole that has formed around the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 017	
Date: 11/7/11	Time: 2:08 PM	
Temperature: 59 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 18"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☒	☐ Oily ☒ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☒	See severity	☒ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 018	
Date: 11/7/11	Time: 2:02 PM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 18"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	Flared end separated from pipe.
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is separated from the flared end.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 019	
Date: 11/7/11	Time: 1:39 PM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☒ Parabolic ☐ Other:	Depth: 2.5' Top Width: 7' Bottom Width: 5'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the earthen outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 020	
Date: 11/7/11	Time: 1:44 PM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 18"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☒	☐ Oily ☒ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall flowing into a creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 021	
Date: 11/7/11	Time: 1:48 PM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 10"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water. Note damage on the top of the pipe.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 022	
Date: 11/7/11	Time: 12:49 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 8"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 023	
Date: 11/7/11	Time: 12:56 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries: ☒ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 21"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 024	
Date: 11/7/11	Time: 12:57 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 17"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	Plastic torn
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 025	
Date: 11/7/11	Time: 1:15 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Golf Course Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☒ Parabolic ☐ Other:	Depth: 5" Top Width: 5' Bottom Width: 4'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☒ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the creek.

Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 026	
Date: 11/7/11	Time: 1:16 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12'	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is completely submerged.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 027	
Date: 11/7/11	Time: 1:26 PM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial ☐ Open Space ☐ Institutional	Other:	Known Industries:

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 48"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☒ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	Brown
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Slocum Lake Drain	Outfall ID: 028	
Date: 11/2/11	Time: 4:03 PM	
Temperature: 63 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: LCFP Known Industries:
☐ Open Space ☒ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No		
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Slocum Lake Drain	Outfall ID: 029	
Date: 11/2/11	Time: 3:49 PM	
Temperature: 63 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of outfall surrounded by dense vegetation.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Slocum Lake Drain	Outfall ID: 030	
Date: 11/2/11	Time: 2:32 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 10"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

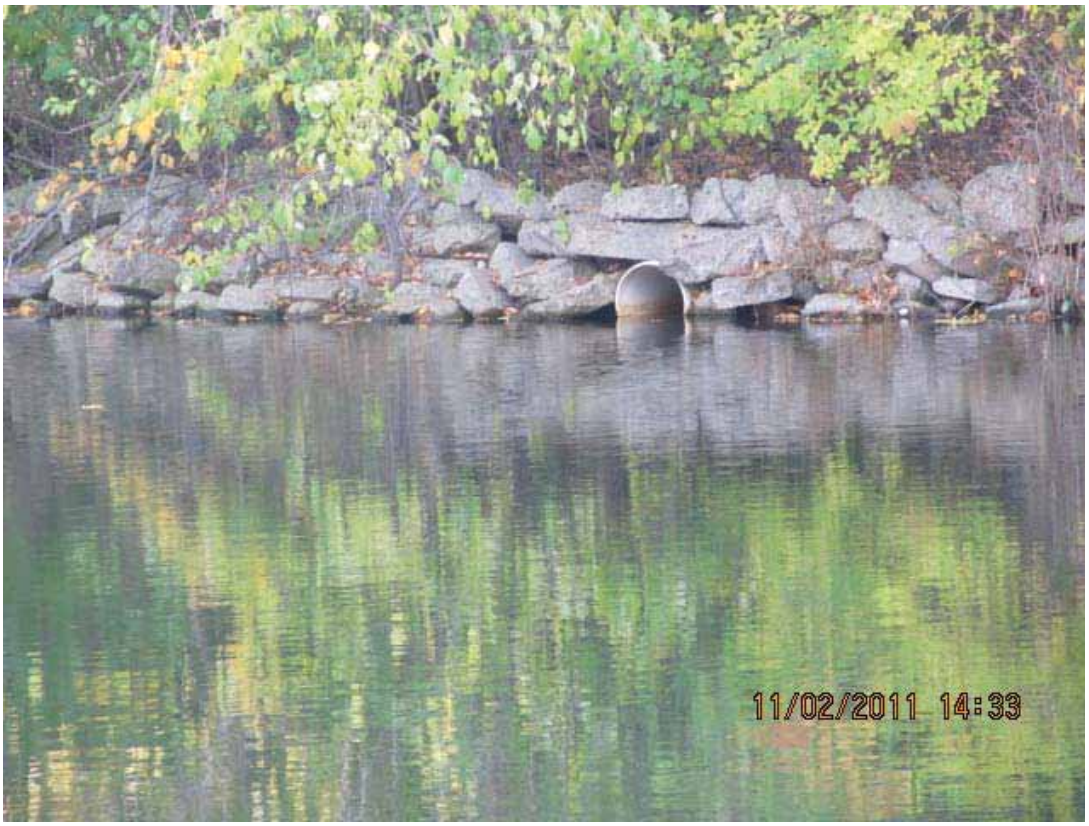
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

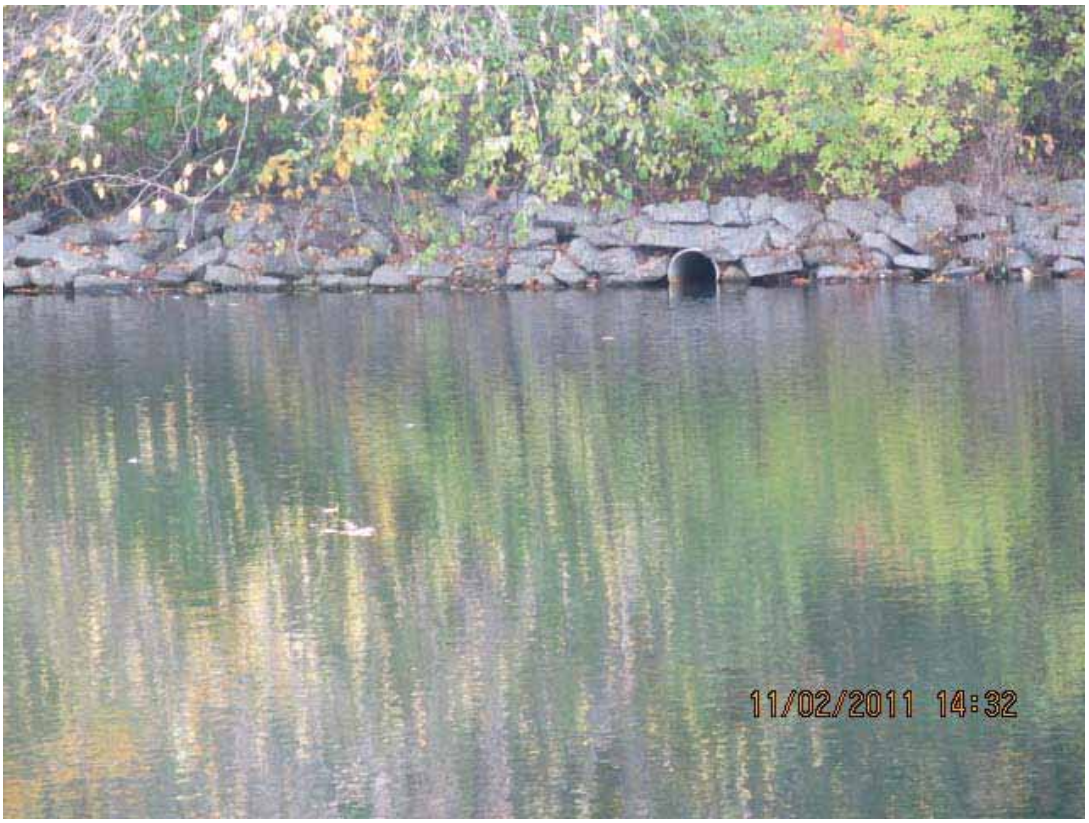
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)



Comment: Close-up of the outfall.



Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Slocum Lake Drain	Outfall ID: 031	
Date: 11/2/11	Time: 2:24 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 17"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water and surrounded by vegetation.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Slocum Lake Drain	Outfall ID: 032	
Date: 11/2/11	Time: 2:27 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☐ Colors ☐ Floatables ☒ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Flint Creek	Outfall ID: 033	
Date: 11/7/11	Time: 2:47 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries: ☒ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: 1' Top Width: 10' Bottom Width: 10'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is a flowing creek.

Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 034	
Date: 11/2/11	Time: 2:01 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 10"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No		
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): Yes					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

The pipe appears to have been moved and fill has been placed over it. Speak with home owners before entering property.

Comment: Close-up of outfall partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 035	
Date: 11/2/11	Time: 12:22 PM	
Temperature: 62 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: 1' Top Width: 2' Bottom Width: 1'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): Yes					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is a creek.

Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 036	
Date: 11/12/11	Time: 2:46 PM	
Temperature: 60 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☐ Commercial Other: Known Industries: ☒ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☒ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 15"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other: Marsh/Creek	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Inspect outfall on the ***west*** side of ***walking*** trail.

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 037	
Date: 11/2/11	Time: 12:01 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☒ Commercial Other: Horse Stable Known Industries: ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of outfall partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 038	
Date: 11/2/11	Time: 11:54 AM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☐ Residential ☒ Commercial Other: Horse Stable Known Industries: ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☐ Colors ☐ Floatables ☒ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Have outfall cleaned out.

Comment: Excessive vegetation observed around the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 039	
Date: 11/2/11	Time: 11:46 AM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☒ Parabolic ☐ Other:	Depth: 1' Top Width: 4' Bottom Width: 2'	

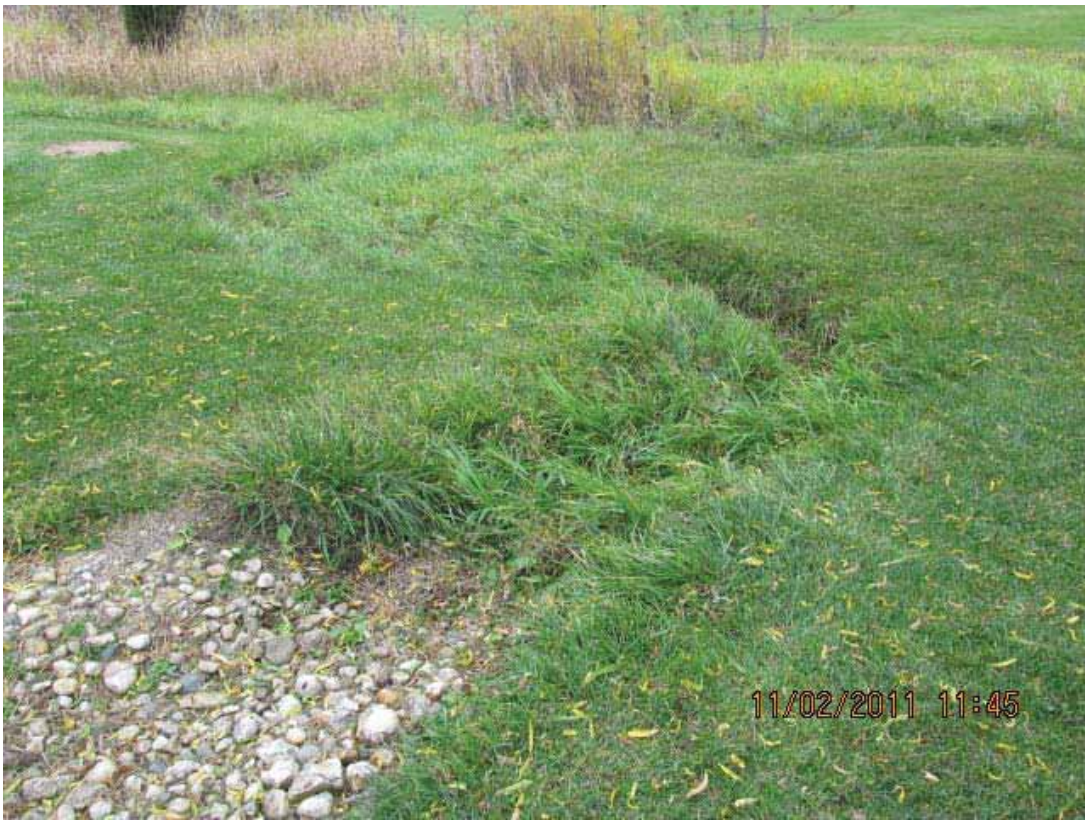
Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)



Comment: Creek is dry.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Squaw Creek	Outfall ID: 040	
Date: 11/2/11	Time: 12:48 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: 6" Top Width: 4' Bottom Width: 3'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of creek.

Comment: Representative view of the creek connecting to pond.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 041	
Date: 11/2/11	Time: 11:30 AM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☒ Commercial Other: Landscaping Materials Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 6"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	Duckweed
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Discharge observed from outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 042	
Date: 11/2/11	Time: 11:28 PM	
Temperature: 90 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☒ Commercial Other: Landscaping Materials Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 8"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 043	
Date: 11/2/11	Time: 1:23 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Golf Course Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: ' Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): Yes		
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Dense vegetation surrounds outfall and it is difficult to locate.

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 044	
Date: 11/2/11	Time: 1:05 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Horse Farm Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☒ Rip-rap ☐ Other:		☐ Trapezoid ☒ Parabolic ☐ Other:	Depth: 1.5' Top Width: 6' Bottom Width: 4'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Talk with property owners first before entering. The outfalls are behind the property (near Gilmer Road, but not enter that way).

27117 Chevy Chase Road, Mundelein. Call "deliveries" to access.

Comment: Outfall is dry.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 045	
Date: 11/2/11	Time: 1:02 PM	
Temperature: 61 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Horse farm Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☒ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 24”	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☒	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	Flared end- rust
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

The culvert appears to be recently replaced. Talk with property owners first before entering. The outfalls are behind the property (near Gilmer Road, but not enter that way).

27117 Chevy Chase Road, Mundelein. Call “deliveries” to access.

Comment: Recently replaced culvert. Corrosion apparent on the flared end section.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 046	
Date: 11/2/11	Time: 8:52 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of outfall partially submerged in water and filled with debris.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 047	
Date: 11/2/11	Time: 9:07 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries: ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 17"	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

The pipe is fully submerged at one end while the other is suspended off of the ground.

Erosion is apparent around the end of the pipe.

Comment: Outfall is completely submerged.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 048	
Date: 11/2/11	Time: 9:20 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☒ rip-rap ☐ Other:		☐ Trapezoid ☒ Parabolic ☐ Other:	Depth: 1' Top Width: 3' Bottom Width: 1'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of riprap.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 049	
Date: 11/2/11	Time: 8:39 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other: Creek	Depth: 3' Top Width: 10' Bottom Width: 8'	

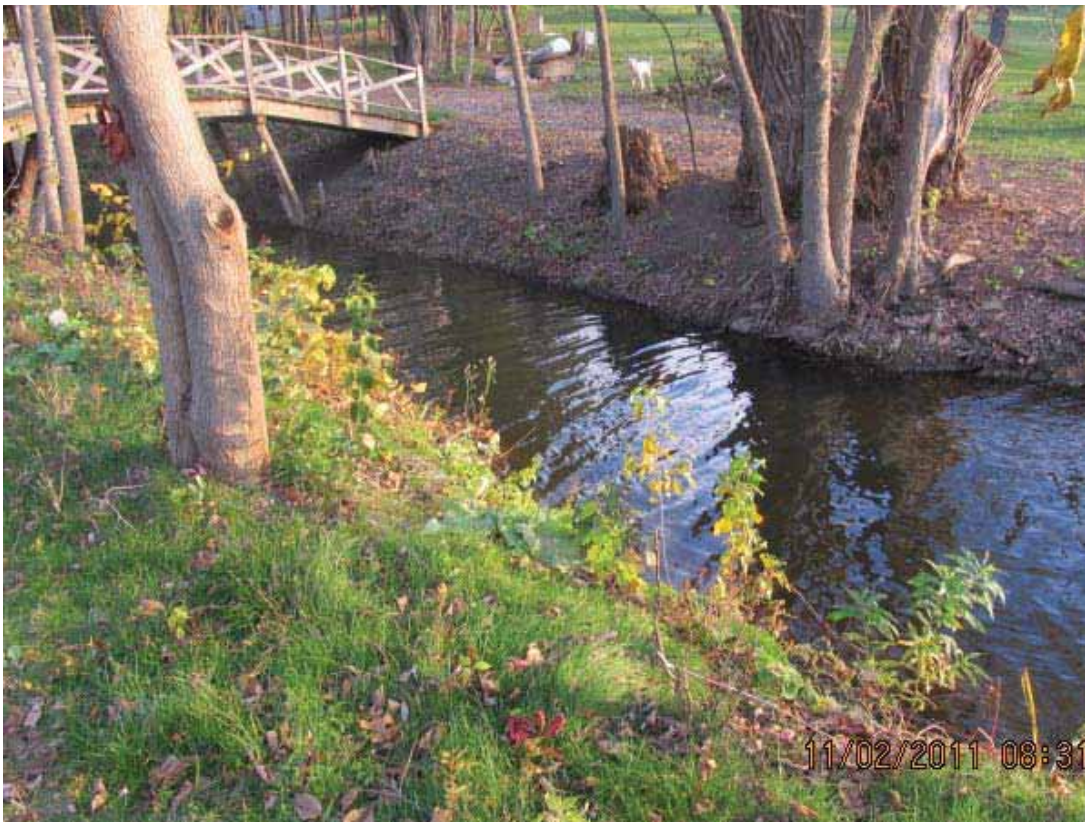
Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)



Comment: Close-up of the creek.

Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 050	
Date: 11/2/11	Time: 8:15 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: 1' Top Width: 6' Bottom Width: 5'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Tree debris at the mouth of the creek.

Comment: Representative view of the creek leading to Diamond Lake.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 051	
Date: 11/2/11	Time: 9:51 AM	
Temperature: 56 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No		
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

The pipe is difficult to locate when the water level is up.

Comment: Outfall is fully submerged in water.

Comment: Washed stone shoreline.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 052	
Date: 11/2/11	Time: 9:55 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 17"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

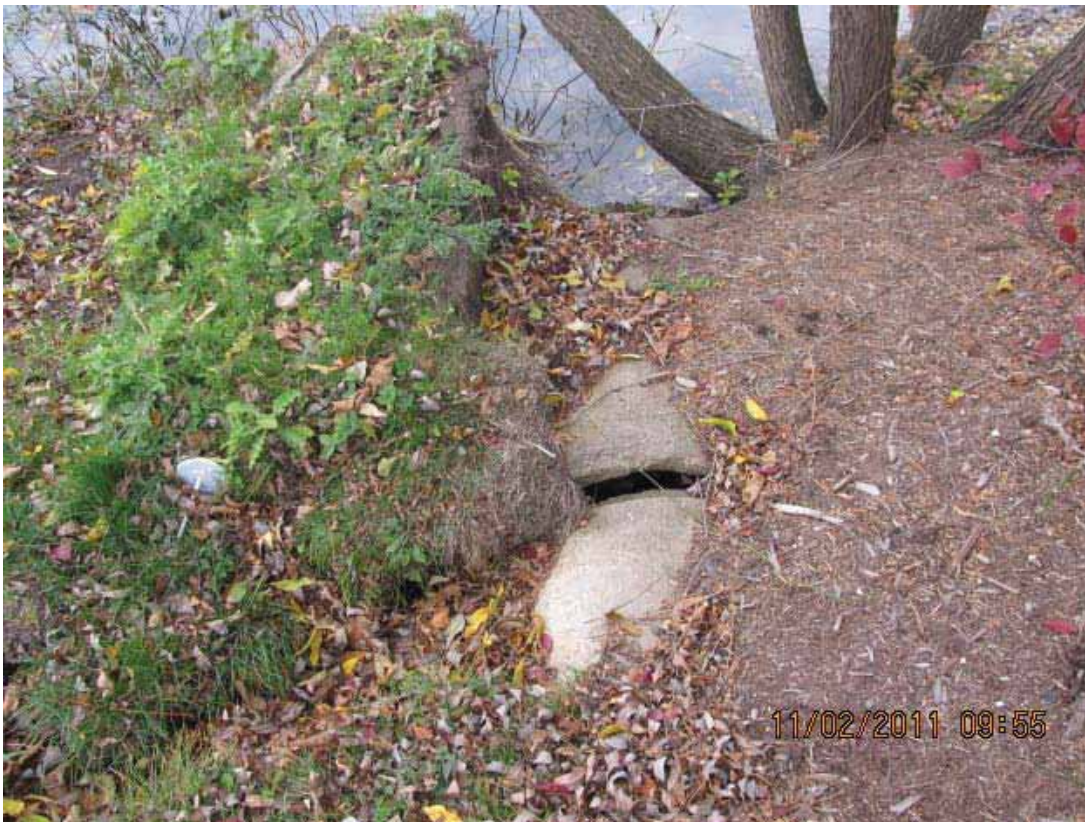
INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Flared end section is separating from storm pipe.

Comment: Close-up of the outfall partially filled with sediment and debris.



Comment: The flared end section is separating from its pipe.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 053	
Date: 11/2/11	Time: 10:01 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial ☐ Open Space ☐ Institutional	Other:	Known Industries:

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☒	☒ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall partially filled with water and debris.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 054	
Date: 11/2/11	Time: 9:34 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial ☐ Open Space ☐ Institutional	Other:	Known Industries:

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 17"	In Water: ☐ No ☐ Partially ☒ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is fully submerged.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 055	
Date: 11/2/11	Time: 10:16 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 15"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☒ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☒	☐ Oily ☒ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☒	☒ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall partially submerged in water and debris.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 056	
Date: 11/2/11	Time: 10:19 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other: Creek	Depth: .5' Top Width: 4' Bottom Width: 3.5'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial	

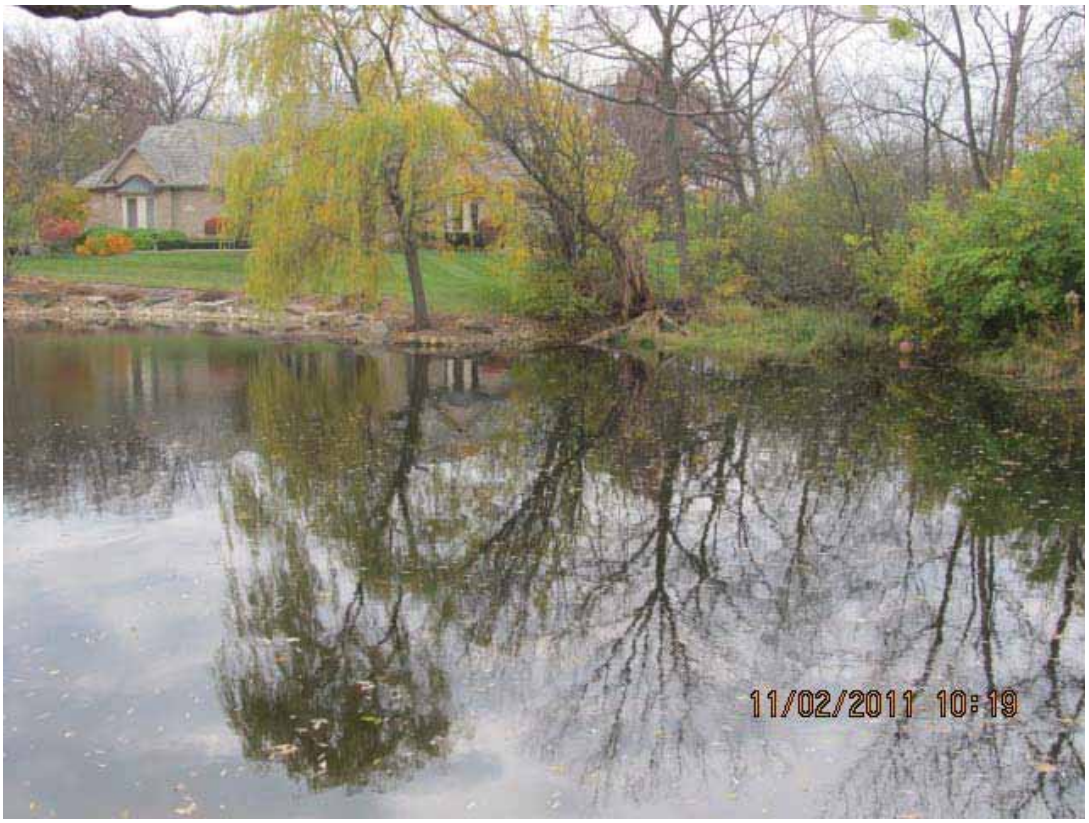
Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of creek.



Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 057	
Date: 11/2/11	Time: 10:28 AM	
Temperature: 57 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other: Creek	Depth: 4" Top Width: 2.5' Bottom Width: 2'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the creek.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 058	
Date: 11/2/11	Time: 10:34 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☒ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☒	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☒ Other:	Pool appears a little turbid
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 059	
Date: 11/2/11	Time: 10:45 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☒ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☒ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Outfall is partially submerged in water.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 060	
Date: 11/2/11	Time: 10:51 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other: Creek	Depth: 6" Top Width: 3' Bottom Width: 2.5'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☒ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the creek.

Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 061	
Date: 11/2/11	Time: 11:02 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 18"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No		
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 062	
Date: 11/2/11	Time: 10:57 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply): ☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries: ☐ Open Space ☐ Institutional		

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Outfall filled with leaf debris.

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 063	
Date: 11/2/11	Time: 11:20 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 17"	In Water: ☒ No ☐ Partially ☐ Fully With Sediment: ☒ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 064	
Date: 11/2/11	Time: 7:55 AM	
Temperature: 54 Degrees	Inspector(s): NP & JM	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☒ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☒ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☒ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions: 12"	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☒ Fully
Open drainage (swale/ditch)	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☐ Other:	Depth: Top Width: Bottom Width:	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☒	☒ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Do physical indicators suggest an illicit discharge is present (Y/N): No

Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear

Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Excessive vegetation observed in the outfall.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 065	
Date: 11/7/11	Time: 10:19 AM	
Temperature: 58 Degrees	Inspector(s): NP & JM	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: N/A Top Width: 15' Bottom Width: 15'	

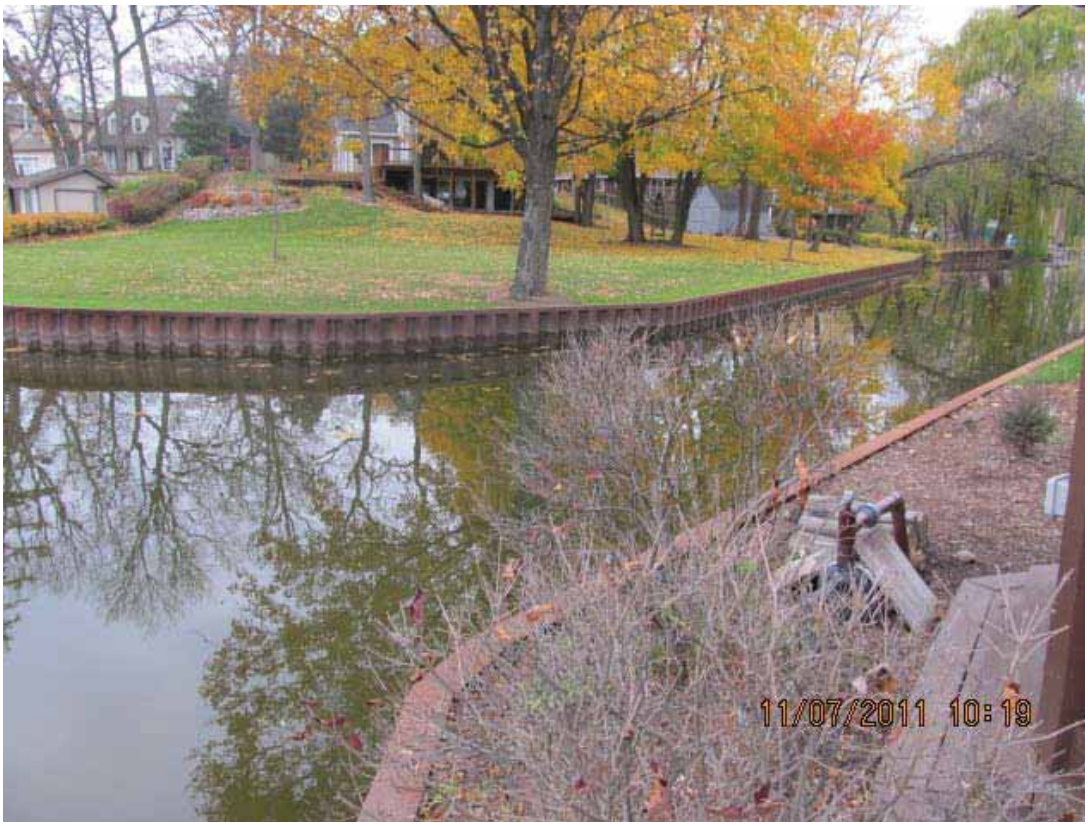
Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)



Comment: Close-up of the creek.

Comment: Representative view of the outfall.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 066	
Date: 11/7/11	Time: 9:43 AM	
Temperature: 58 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Residential ☐ Commercial Other: Known Industries:
☒ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: 1' Top Width: 10' Bottom Width: 10'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☒ Yes ☐ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☒ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): No					

Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the creek.

Comment: Representative view of the creek.

Outfall Inspection Data Form

Section 1: Background Data

Subwatershed: Indian Creek	Outfall ID: 067	
Date: 11/2/11	Time: 7:34 AM	
Temperature: 75 Degrees	Inspector(s): NP	
Previous 48 Hours Precipitation: None	Photos Taken (Y/N) Yes	If yes, Photo Numbers:

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☒ Residential ☐ Commercial Other: Known Industries:
☐ Open Space ☐ Institutional

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Clay / drain tile ☐ Other: _____	☐ Circular ☐ Elliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/ Dimensions:	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
Open drainage (swale/ditch)	☐ Concrete ☒ Earthen ☐ rip-rap ☐ Other:		☐ Trapezoid ☐ Parabolic ☒ Other: Creek	Depth: Top Width: 50' Bottom Width: 50'	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe algae/growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	
Do physical indicators suggest an illicit discharge is present (Y/N): No			
Flow Present?	☐ Yes ☒ No	**If No, Skip to Section 5 and Close Illicit Discharge Investigation**	
Flow Description	☐ Trickle ☐ Moderate ☐ Substantial		

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Sulfide ☐ Petroleum/gas ☐ Other:	☐ 1–Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1–Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1–Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage ☐ Suds ☐ Petroleum (oil sheen) ☐ Grease ☐ Other:	☐ 1–Few/slight; origin not obvious.	☐ 2 – Some; indications of origin	☐ 3 - Some; origin clear
Do physical indictors (flowing) suggest an illicit discharge is present (Y/N): N					

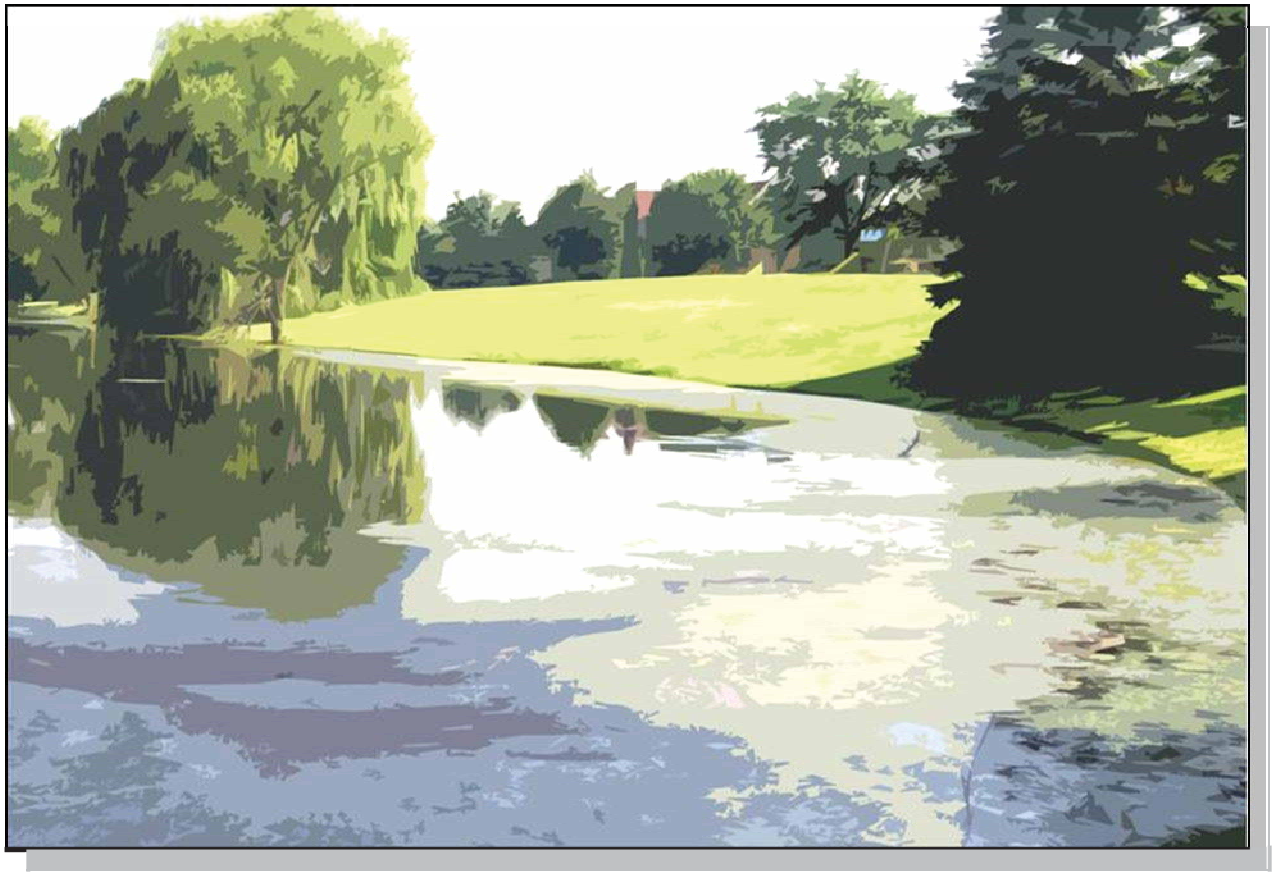
Section 5: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repair)

Comment: Close-up of the creek opening into Diamond Lake.

Comment: Representative view of the creek.

Section 4

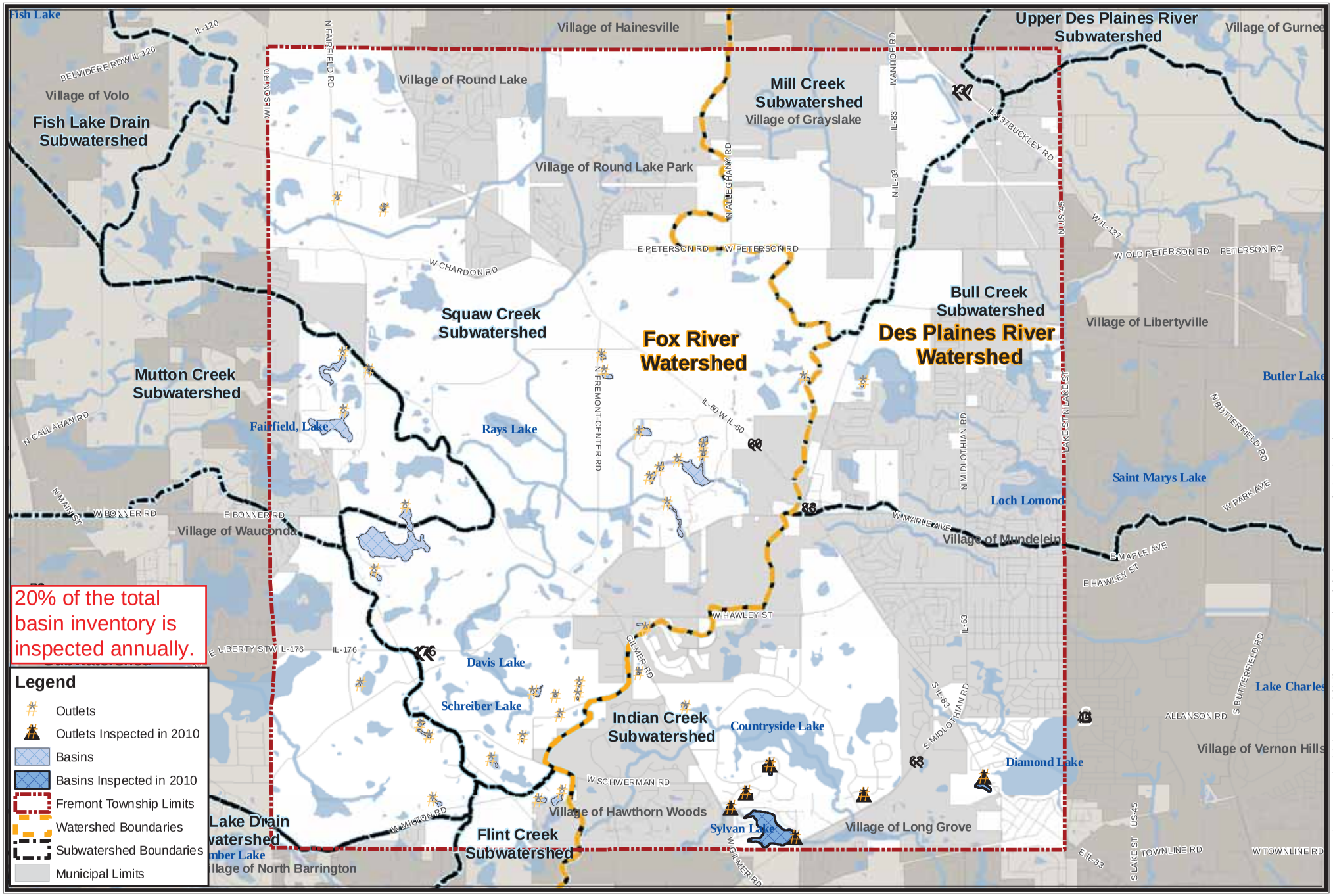
Basin Inspection Summary, Maps and Photos



Basin Inspection

An inspection of 20% of the Township's basins is conducted annually. This is done to comply with NPDES General Permit No. ILR40 as a way to address post-construction runoff control from new development and redevelopment projects, public surfaces and existing developed property.

MS4 basin maps, a basin inspection summary table and pictures documenting the basin inspections are provided in this section.



Sources: Lake County
ESRI Street Data

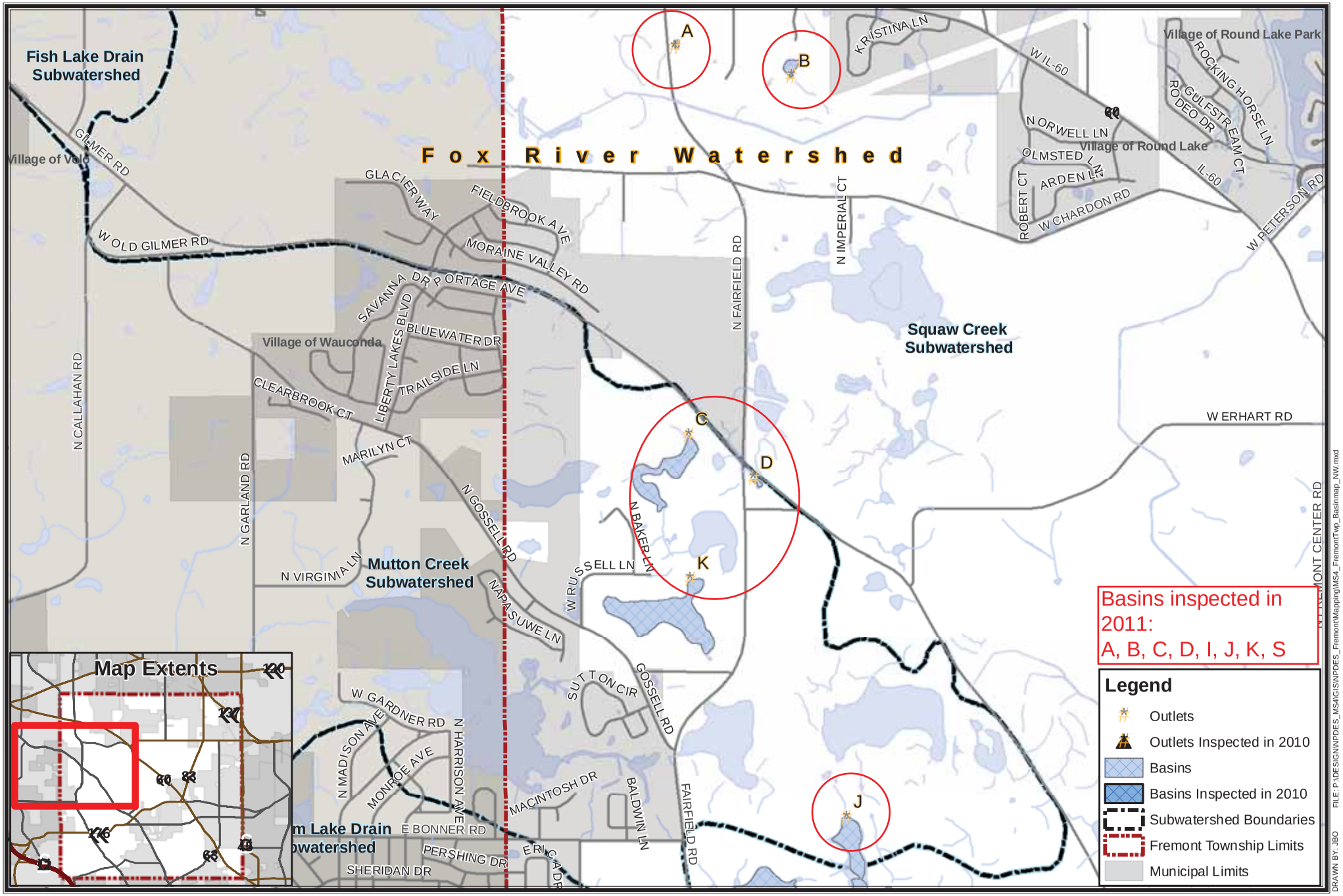
0 Feet 0 5,000
1 inch = 5,000 feet

MS4 Detention / Retention Basin Map
Overview Map
Fremont Township, IL

GEWALT HAMILTON ASSOCIATES, INC.

Project: 4191.008
Map Code: 288311x8
DATE: 11/8/2010

DRAWN BY: JBO
FILE: P:\DESIGN\NPDES_MS4\GIS\NPDES_FremontMapping\MS4_FremontTwp_Basin_Overview.mxd



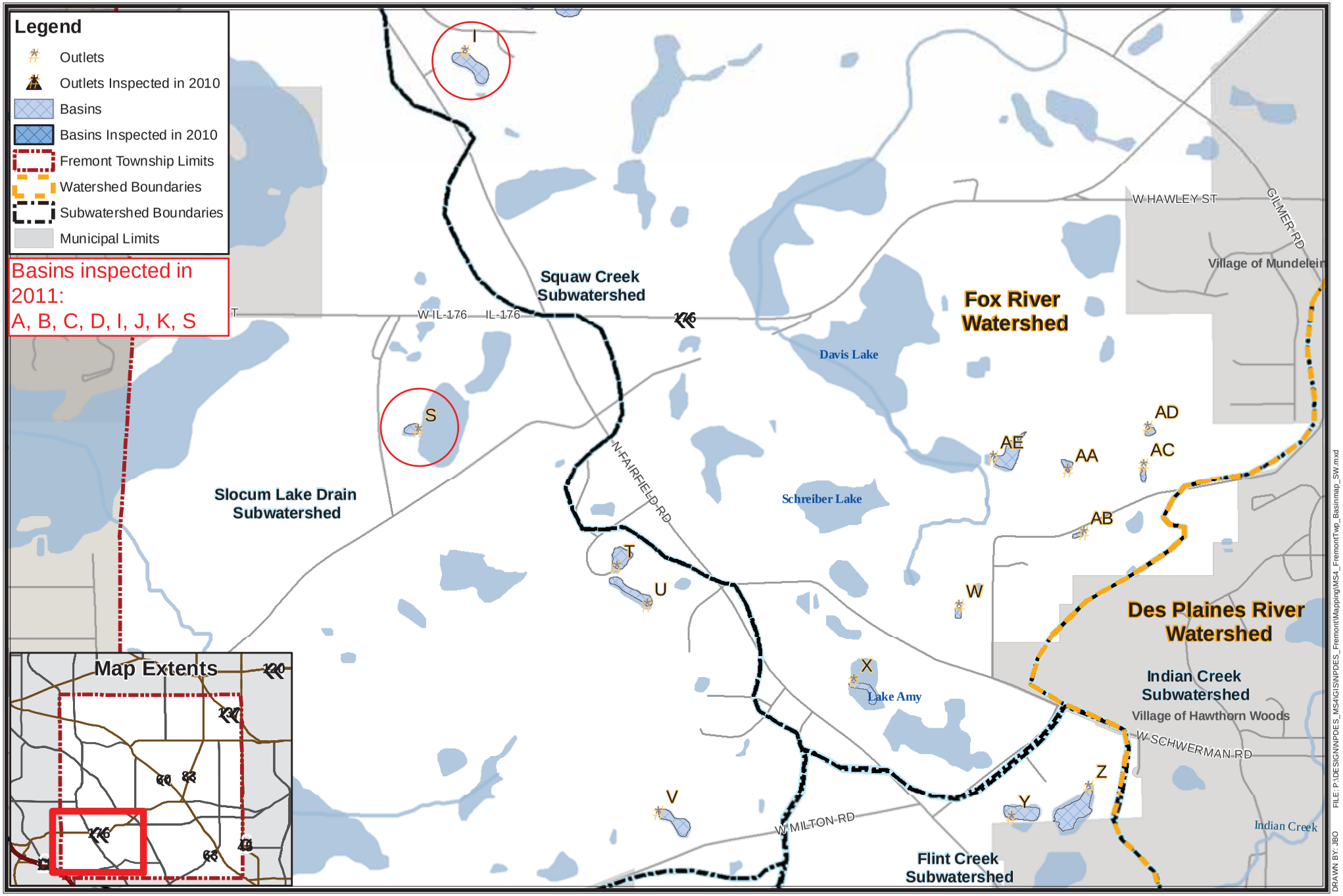
Sources: Lake County
ESRI Street Data

MS4 Detention / Retention Basin Map
Northwest Map (1 of 4)
Fremont Township, IL

1 inch = 2,000 feet

GEWALT HAMILTON
ASSOCIATES, INC.

Project: 4191.008
Map Code: 288411x8
DATE: 11/8/2010



Sources: Lake County
ESRI Street Data

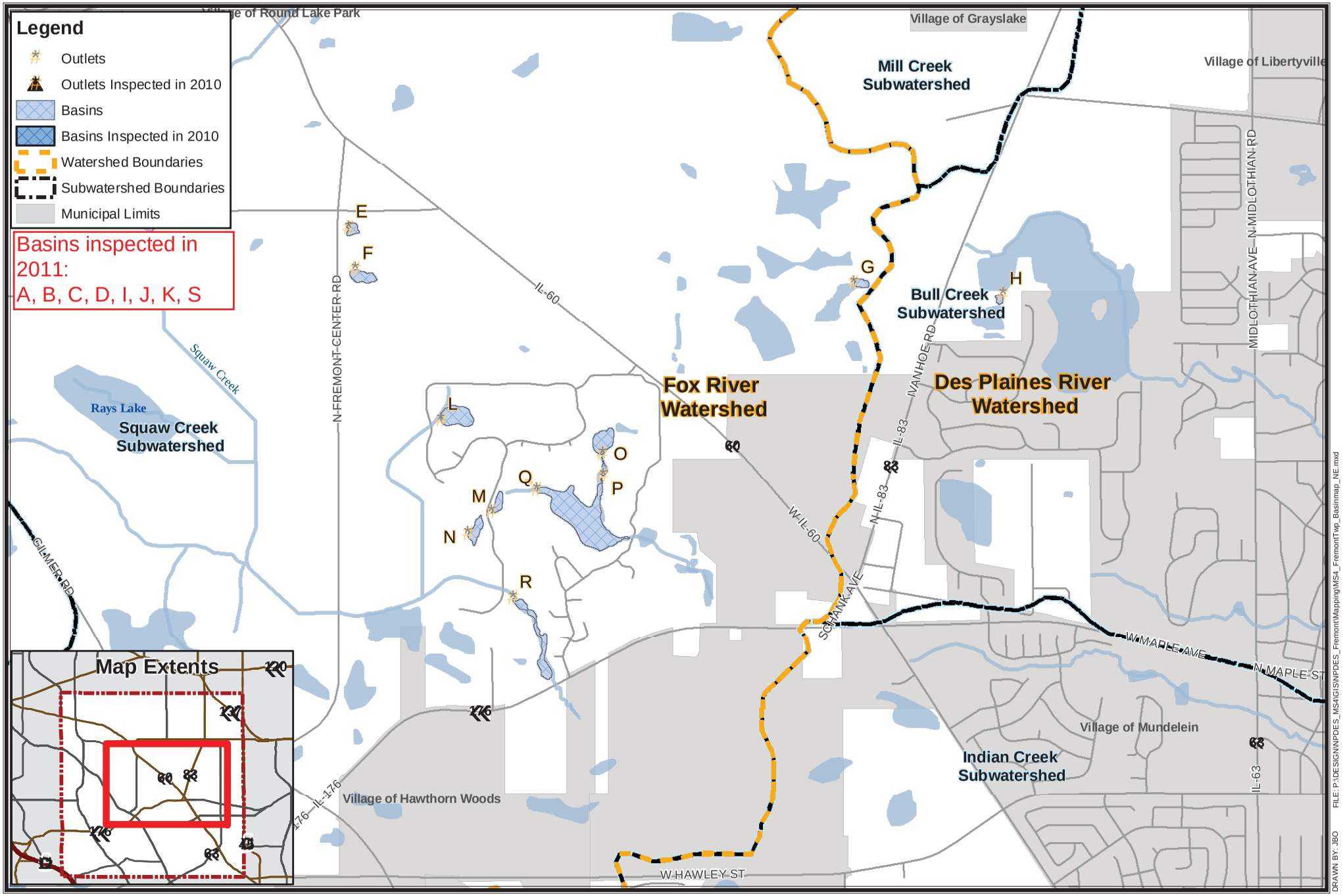
MS4 Detention / Retention Basin Map
Southwest Map (2 of 4)
Fremont Township, IL

1 inch = 1,500 feet

GEWALT HAMILTON ASSOCIATES, INC.

Project: 4191.008
Map Code: 288611x8
DATE: 11/8/2010

DRAWN BY: JBO
FILE: P:\DESIGN\NPDES_MS4\GIS\NPDES_Fremont\Mapping\MS4_FremontTwp_Basinmap_SW.mxd



Sources: Lake County
ESRI Street Data

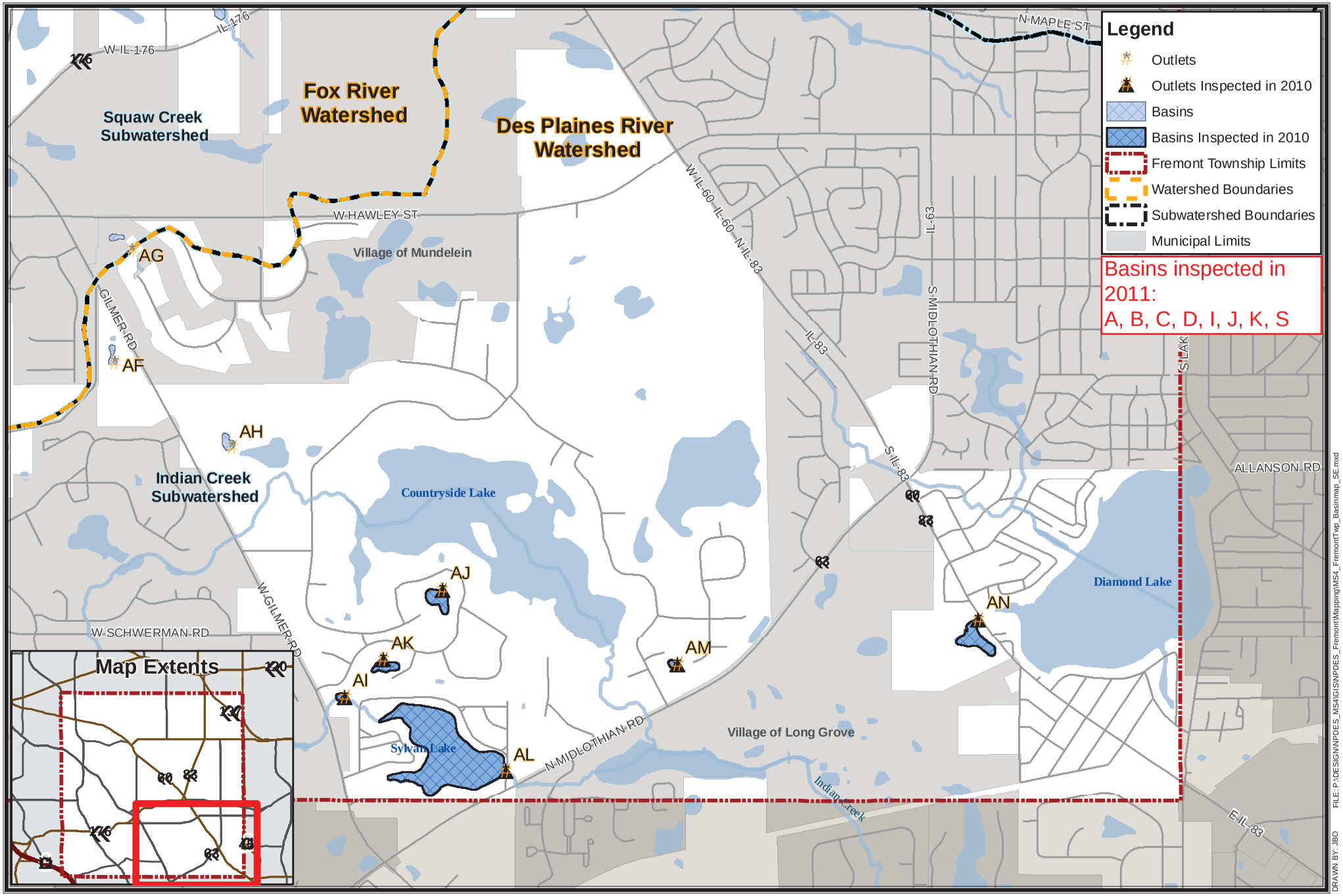
MS4 Detention / Retention Basin Map
Northeast Map (3 of 4)
Fremont Township, IL

1 inch = 2,000 feet

GEWALT HAMILTON
ASSOCIATES, INC.

Project: 4191.008
Map Code: 288211x8
DATE: 11/8/2010

DRAWN BY: JBO
FILE: P:\DESIGN\NPDES_MS4\GIS\NPDES_Fremont\Mapping\MS4_FremontTwp_BasinMap_NE.mxd



Sources: Lake County
ESRI Street Data

MS4 Detention / Retention Basin Map
Southeast Map (4 of 4)
Fremont Township, IL

1 inch = 2,000 feet

GEWALT HAMILTON
ASSOCIATES, INC.

Project: 4191.008
Map Code: 288511x8
DATE: 11/8/2010

DRAWN BY: JBO
FILE: P:\DESIGN\NPDES_MS4\GIS\NPDES_Fremont\Mapping\MS4_FremontTwp_Basinmap_SE.mxd

Basin Inspection Summary
Year 9
Fremont Township

ID #	Address	City	PIN	Inspection Date	Weather	Inspector	Flood Height	Condition	Comments (Perimeter Vegetation, Algae Growth, etc.)
A	30877 N. Fairfield Rd	Grayslake, IL	1007200023	6/22/2011	90's P. Cloudy	ABD	Medium	Excellent	Dense perimeter vegetation. Outlet is a perforated riser.
B	30898 N. Manor Hill Rd	Grayslake, IL	1007202018	6/22/2011	90's P. Cloudy	ABD	Medium	Excellent	
C	29700 N. Gilmer Rd	Mundelein, IL	1018200038	6/22/2011	80's Cloudy	ABD	Medium	Excellent	Catch basin outlet. Dense vegetation along the shoreline of the basin.
	29800 N. Gilmer Rd	Mundelein, IL	1018100009	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29495 N. Baker Rd	Mundelein, IL	1018100007	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29455 N. Gilmer Rd	Mundelein, IL	1018302002	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29426 N. Fairfield Rd	Mundelein, IL	1018400016	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
D	29570 N. Gilmer Rd.	Mundelein, IL	1018200006	6/22/2011	80's Rain	ABD	Medium	Fair	Algae growth across the whole basin. Could not locate outlet.
I	24201 W Old Oak	Mundelein, IL	1019402006	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	28100. N Sping	Mundelein, IL	1019402009	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	28088 N Spring	Mundelein, IL	1019402010	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24324 W Cardinal	Mundelein, IL	1019402007	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
J	23900 W Old Oak	Mundelein, IL	1020300004	6/22/2011	80's Cloudy	ABD	Medium	Excellent	Unable to get to the basin's outlet due to dense vegetation. Dense vegetation along the north and east side of the basin.
	24020 W Old Oak	Mundelein, IL	1019401012	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24092 W Old Oak	Mundelein, IL	1019401010	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24136 W Old Oak	Mundelein, IL	1019401009	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24170 W Old Oak	Mundelein, IL	1019401008	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24218 W Old Oak	Mundelein, IL	1019401007	6/22/2011	80's Cloudy	ABD	Medium	Excellent	

Basin Inspection Summary
Year 9
Fremont Township

ID #	Address	City	PIN	Inspection Date	Weather	Inspector	Flood Height	Condition	Comments (Perimeter Vegetation, Algae Growth, etc.)
	24252 W Old Oak	Mundelein, IL	1019401006	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24274 W Old Oak	Mundelein, IL	1019401005	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24296 W Old Oak	Mundelein, IL	1019401004	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24312 W Old Oak	Mundelein, IL	1019401003	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
K	29350 N Fairfield Rd	Mundelein, IL	1018400017	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29201 N Fairfield Rd	Mundelein, IL	1018401001	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29159 N Fairfield Rd	Mundelein, IL	1018401002	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29137 N Fairfield Rd	Mundelein, IL	1018401003	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29105 N Fairfield Rd	Mundelein, IL	1018401004	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29063 N Fairfield Rd	Mundelein, IL	1018401005	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24320 W Lake Fairfield	Mundelein, IL	1018401006	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24414 W Lake Fairfield	Mundelein, IL	1018401009	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24452 W Lake Fairfield	Mundelein, IL	1018401008	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24480 W Lake Fairfield	Mundelein, IL	1018401007	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24526 W Lake Fairfield	Mundelein, IL	1018303013	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24558 W Lake Fairfield	Mundelein, IL	1018303012	6/22/2011	80's Cloudy	ABD	Medium	Excellent	Double CMP outlet.
	29097 N Gossell Rd	Mundelein, IL	1018303010	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29125 N Gossell Rd	Mundelein, IL	1018303009	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	29145 N Gossell Rd	Mundelein, IL	1018303008	6/22/2011	80's Cloudy	ABD	Medium	Excellent	

Basin Inspection Summary
Year 9
Fremont Township

ID #	Address	City	PIN	Inspection Date	Weather	Inspector	Flood Height	Condition	Comments (Perimeter Vegetation, Algae Growth, etc.)
	24761 W Russell Ln	Mundelein, IL	1018303007	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24721 W Russell Ln	Mundelein, IL	1018303001	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24671 W Russell Ln	Mundelein, IL	1018303002	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24633 W Russell Ln	Mundelein, IL	1018303003	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24595 W Russell Ln	Mundelein, IL	1018303004	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24553 W Russell Ln	Mundelein, IL	1018303005	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
	24479 W Russell Ln	Mundelein, IL	1018400013	6/22/2011	80's Cloudy	ABD	Medium	Excellent	
S	24145 Ivanhoe	Mundelein, IL	1030400005	6/22/2011	80's Cloudy	ABD	Medium	Fair	Algae growth across the whole basin.

Comment: Dense perimeter vegetation.

Comment: Outlet is a perforated riser. Outlet is located in the south west corner of the basin.