Let's make one thing
Perfectly Clear.
our water
Genesee County Community Water Quality Consortium

Genesee County
Phase II Municipalities
Annual Report

November 1, 2013 – October 31, 2014
Reporting Period

Submitted to:

the State of Michigan Department of Environmental Quality,

Surface Water Quality Division

by the Genesee County Drain Commissioner

on behalf of Genesee County and contracted Communities

GENESEE COUNTY
SWM
DRAIN COMMISSIONER

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LIST OF ACRONYMS

E342C	Contract for services between Communities and Drain Office
Ad hoc	The Ad hoc Committees are formed to work on specific objectives until complete
BMP	Best Management Practice
CAER	University of Michigan – Flint, Center for Applied Environmental Research
CMI	Clean Michigan Initiative
CSO	Combined Sewer Overflow
EPA	Environmental Protection Agency
FRWC	Flint River Watershed Council
GCCD	Genesee County Conservation District
GCDC	Genesee County Drain Commissioner
GCHD	Genesee County Health Department
GCRC	Genesee County Road Commission
GISD	Genesee Intermediate School District
GREEN	Global Rivers Environmental Education Network
HHW	Household Hazardous Waste
IDEP	Illicit Discharge Elimination Plan
M&M	Monitoring and Mapping
MDEQ	Michigan Department of Environmental Quality
MDEQ	Michigan Department of Natural Resources and Environment
MS4	Municipal Separate Storm Sewer System
N/A	Not applicable
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
PEP	Public Education Plan
PPP	Public Participation Plan
PSD	Point Source Discharge
QAPP	Quality Assurance Project Plan
SEMCOG	Southeast Michigan Council of Governments
SESC	Soil Erosion and Sedimentation Control
SSO	Sanitary Sewer Overflow
SWAC	Storm Water Advisory Committee
SWSC	Storm Water Structural Controls
SWM	Surface Water Management
SWPPI	Storm Water Pollution Prevention Initiative
TBD	To be determined
WMP	Watershed Management Plan
WWS	Water and Waste Services
WQI	Water Quality Index

1-NPDES PERMIT REQUIREMENTS AND ADMINISTRATION

This annual report was prepared by Genesee County's engineering consultant, Tetra Tech, for the Michigan Department of Environmental Quality (MDEQ).

PERMIT REQUIREMENTS

This annual report summarizes activities completed for the period from November 1, 2013, to October 31, 2014, by the Genesee County Drain Commissioner's Office and the contracted Phase II Municipalities to meet the requirements of their National Pollutant Discharge Elimination System (NPDES) permit, including:

- Watershed management
- Public education and participation
- New construction standards
- Monitoring and mapping
- Illicit Discharge Elimination Program (IDEP)
- Storm Water Pollution Prevention Initiative (SWPPI)

WATERSHED MANAGEMENT ADMINISTRATION

Storm Water System Service District

To implement the permit requirements and perform watershed management planning, Genesee County established a Storm Water Management System for the entire County under the authority of Michigan Public Act 342 of 1939. Genesee County had designated the Genesee County Drain Commissioner's Office to be their authorized agent. Many of the communities in the County have executed a contract to use the County 342 Storm Water Management System as the lead agency to provide Phase II permitting services, including watershed management planning.

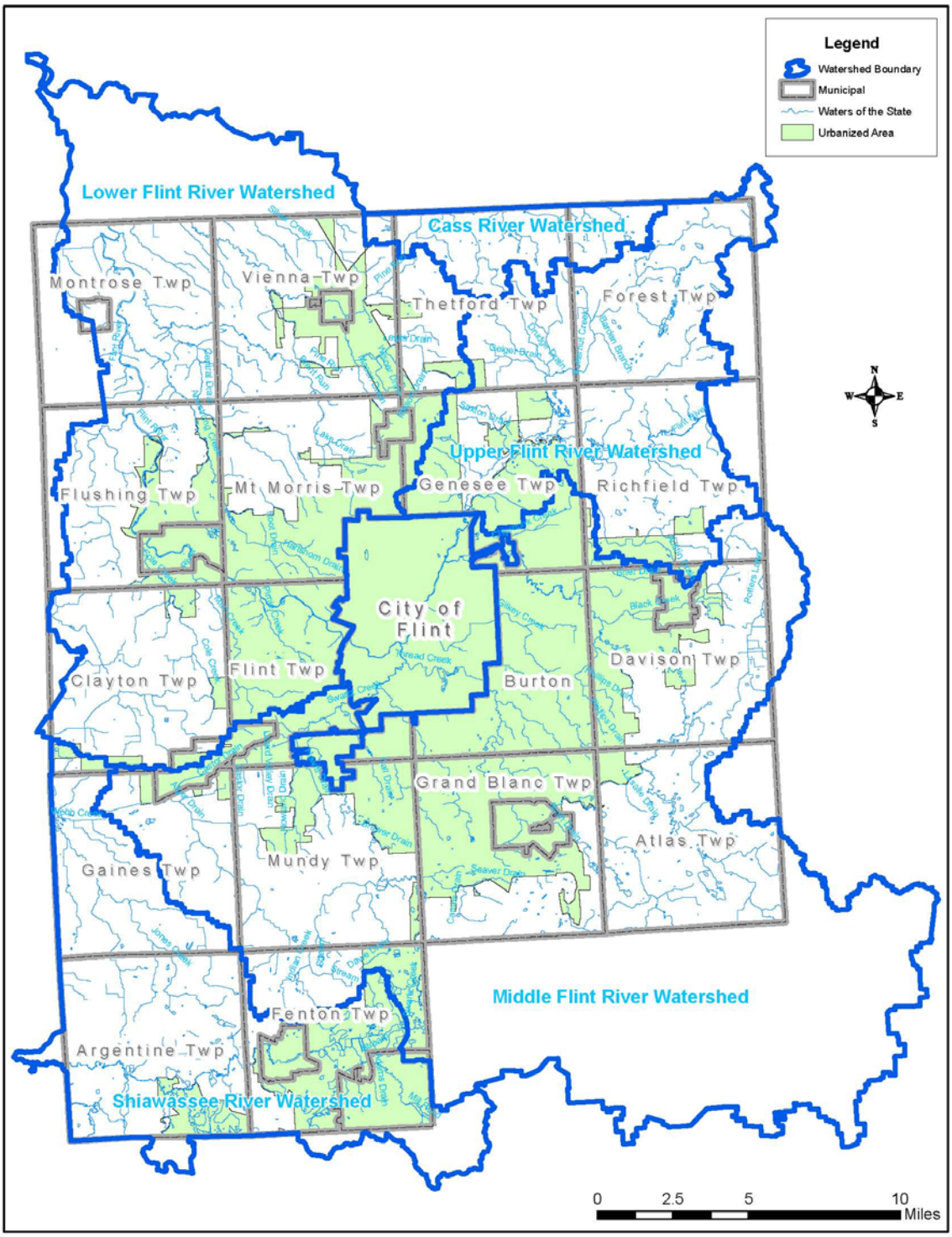
Watershed Delineation

Five major watersheds were delineated in the permit application, including:

- Lower Flint River Watershed
- Middle Flint River Watershed
- Upper Flint River Watershed
- Shiawassee River Watershed
- Cass River Watershed

Figure 1-1 shows the watershed boundaries. The Shiawassee River Watershed boundary was adjusted in 2005 to minimize overlap with Livingston County's efforts. Also, after discussions with MDEQ, the Upper Flint and Lower Flint watershed lines were changed. The five major watersheds listed above were divided into 20 sub-watershed planning areas.

Figure 0-1: Genesee County Watershed Boundaries



Contract Communities

Table 1-1 lists the Genesee County watershed-planning communities that have a 342 contract. Note that not all communities within Genesee County have NPDES permits and that Phase II status was realigned during the 2007-2008 reporting period. For the 2008–2013 cycle, some of the non-Phase II municipalities chose not to re-sign the 342 contract. **Of the Phase II communities, Grand Blanc Township is the only Phase II community that chose not to re-sign the 342 contract and to provide all their own requirements for the new permit cycle.** Although City of Flint was a Phase I community, in March 2010, they signed a 342 contract for public education services only.

In the 2013-2014 reporting cycle Mundy Township and Flushing Township were able to opt out of the NPDES Ph II permit, and have requested to be removed from the 342 contract.

Table 0-1: Contract Communities

City of Burton	City of Flint (Public Education)	City of Mount Morris
City of Clio	Flint Township	Mount Morris Township
City of Davison	City of Flushing	City of Swartz Creek
Davison Township	Genesee Township	Vienna Township
City of Fenton	City of Grand Blanc	Genesee County
Fenton Township	City of Linden	

Nested Drainage System Agreements

The county has a nesting agreement with Bishop Airport.

The County has met with the schools and the MDEQ to come to an agreement that would allow the County to continue nesting the schools. The contract has been approved and the schools are nested again.

Table 0-2: Nested School Districts

School District	Within an urbanized area
Atherton	Y
Beecher	Y
Bendle	Y
Bentley	Y
Carman-Ainsworth	Y
Clio	Y
Davison	Y
Fenton	Y
City of Flint	Y
Flushing	Y
Genesee Intermediate School District (GISD)	Y
Genesee	Y
Goodrich	*No
Grand Blanc	Y
Kearsley	Y
Lake Fenton	Y
Lake Ville	No
Linden	Y
Montrose	*No
Mt. Morris	Y
Swartz Creek	Y
Westwood Heights	Y

*Schools that have been dropped from nesting due to noncompliance (letters sent Sept 2010)

The nested school districts have requested that the Genesee Intermediate School District (GISD) be their representative in this program. The GISD has been attending meetings and disseminating information to the individual school districts. They have facilitated meetings between the County and transportation and operations staff members, as well as superintendents, to discuss requirements, including staff training, to meet the requirements of the permit. The GISD participates in the county-wide education effort, including the development of grade-level appropriate watershed education curriculum. See chapter 2 for more details of GISD's involvement.

Genesee County Storm Water Advisory Committee

The Genesee County Storm Water Advisory Committee (SWAC) includes Genesee County and communities with a signed 342 contract. Most, but not all, are Phase II communities with a Certificate of Coverage. In addition, many of the Genesee County communities without a signed 342 contract continue to participate in SWAC activities. After the City of Flint signed a contract in March 2010, they became a member of the SWAC.

SWAC is guiding implementation of the entire Phase II Program and has three main sub-committees:

- Public Education (PE) and Participation Sub-Committee
- New Construction Standards and Practices (CSP) Sub-Committee
- Monitoring and Mapping (M&M) Sub-Committee

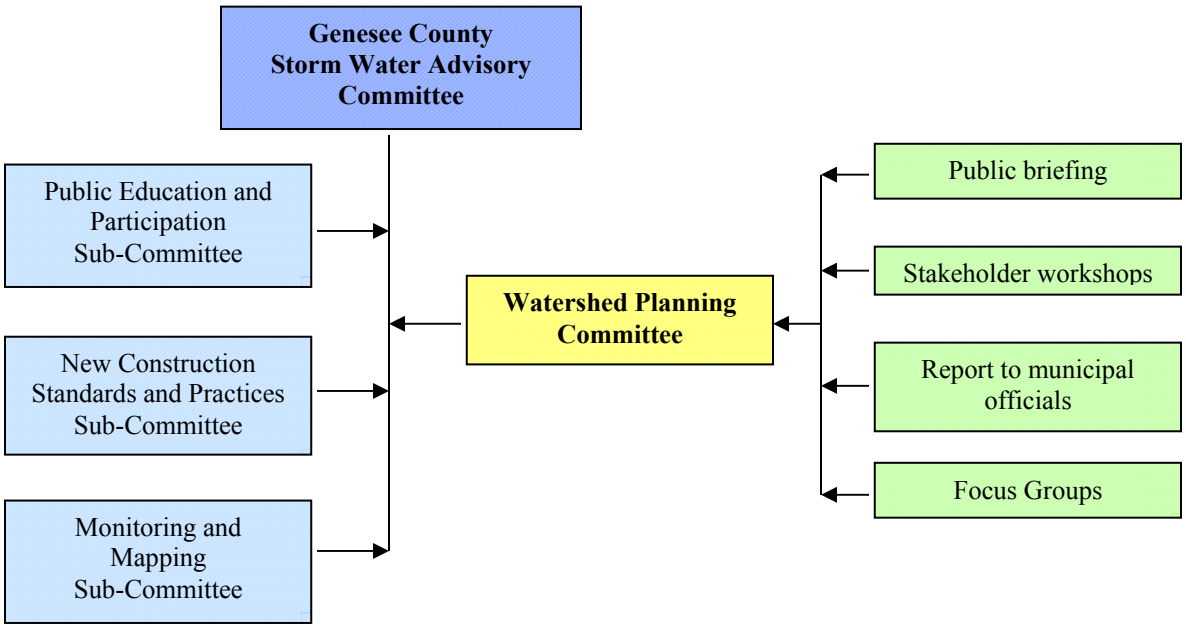
These sub-committees meet as needed along with stakeholders and/or individuals with specific specialized knowledge to implement the watershed plan, education plan and Illicit Discharge Elimination Plan (IDEP). A brief description of sub-committee duties is presented below Figure 1-2.

Figure 1-2 also shows the watershed planning decision-making process and sub-committee relationships. Work conducted by the Watershed Planning Committee(s) is used in development of the Lower Flint, Middle Flint, Upper Flint, and Shiawassee River Watershed Management Plans (WMPs). The Watershed Planning Committee(s) are made up of those communities that are located within a specific watershed. Each community serves on at least one sub-committee.

SWAC meetings during this reporting period were held on:

- October 16, 2013
- November 20, 2013
- December 18, 2013
- January 15, 2014
- February 19, 2014
- March 19, 2014
- April 16, 2014
- May 21, 2014
- September 17, 2014

Figure 0-2: Watershed Planning Decision Making Flowchart



Public Education (PE) and Participation Sub-Committee

The PE Sub-Committee guides the overall public education and participation process for the watershed management planning effort. PE activities are summarized in Section 2.

New Construction Standards and Practices (CSP) Sub-Committee

The CSP Sub-Committee oversees new construction standards and post-construction practices for Genesee County. This sub-committee is also updating ordinances to ensure compliance with Environmental Protection Agency (EPA) requirements. CSP activities are summarized in Section 3

Monitoring and Mapping (M&M) Sub-Committee

The M&M Sub-Committee oversees organization and implementation of watershed monitoring, field-sampling protocols, and mapping guidelines. In addition to several monitoring programs, they oversee the Illicit Discharge Elimination Plan (IDEP) Program. Local government leaders share their insights and views of the watershed throughout the project at workshops and meetings, as well as at other formal and informal exchanges. M&M activities are summarized in Section 4.

Watershed Management Plans and Storm Water Pollution Prevention Initiatives

Watershed Management Plans (WMP) for the Upper and Lower Flint as well as the Shiawassee River were submitted and accepted by the DEQ in 2008. In June 2009, permittees submitted their Storm Water Pollution Prevention Initiative (SWPPI) to the DEQ. The SWPPI contains action based on the WMP goals and objectives as well as from the new NPDES permit requirements. Permittees are committed to undertake these actions.

2- PUBLIC EDUCATION AND PARTICIPATION SUB-COMMITTEE ACTIVITIES

The Public Education (PE) and Participation Sub-Committee held one meeting during this reporting period:

January 13, 2014

PE Membership included:

- **City of Burton – Paula Zelenko**
- **City of Clio – William Kovl**
- **City of Davison – Michael Hart**
- **City of Flint – Daugherty Johnson**
- Clayton Township – Rick Caruso
- **Flint Township – Karyn Miller**
- Forest Township – Mary Ann Price
- Mundy Township – Dave Guigear
- Thetford Township – Eileen Kerr
- **Vienna Township – Randy Taylor**
- Village of Otisville – David Tatro
- **Genesee Intermediate School District – Keely Mounger**
- **GCDC-SWM – Susanne Kubic**
- **GCRC – Fred Pavandi**
- Flint River Watershed Coalition – Rebecca Fedewa
- Genesee Conservation District – Angela Warren

Bolded members are Phase II communities

The purpose of the PE committee is to implement the Public Education Plan (PEP) and assigned objectives in the action plan (Section 8 of the Watershed Management Plan/ Attachment 4 of new Permit Application). The PEP plan was revised to align with the new 2014 permit Application "Public Education Topics". The actual implementation did not change. The Public Education work is being done on behalf of the following Communities:

• Davison Township	MIG610089
• Fenton Township	MIG610064
• Flint Township	MIG610066
• Genesee Township	MIG610073
• Mt. Morris Township	MIG610082
• Vienna Township	MIG610088
• City of Burton	MIG610060
• City of Clio	MIG610061
• City of Davison	MIG610063
• City of Fenton	MIG610065
• City of Flint	MIG # unknown
• City of Flushing	MIG610067
• City of Grand Blanc	MIG610075
• City of Linden	MIG610078
• City of Mt. Morris	MIG610081
• City of Swartz Creek	MIG610086
• Genesee County	MIG610072

PUBLIC EDUCATION PLAN

Permit Requirements

The planning and implementation of public education is based on EPA-required elements, including:

1. Encourage public reporting of the presence of illicit discharges or improper disposal of materials into applicant's separate storm water drainage system.
2. Educate public on the availability, location, and requirements of facilities for disposal or drop-off of household hazardous wastes, travel trailer sanitary wastes, chemicals, grass clippings, leaf litter, animal wastes, and motor vehicle fluids.
3. Educate public regarding acceptable application and disposal of pesticides and fertilizers.
4. Educate public concerning preferred cleaning materials and procedures for residential car washing.
5. Educate public concerning the ultimate discharge point and potential impacts from the separate storm water drainage system serving their place of residence.
6. Educate public about their responsibility and stewardship in their watershed.
7. Educate public concerning management of riparian lands to protect water quality.

Partnerships

The PE Sub-Committee has coordinated, developed, and implemented several elements of the PEP. Work during this permit cycle included:

- Program implementation with drain office
- Redesigned the "Our Water" website
- Recruited volunteers and booth materials for the Genesee County Fair
- Staffed information booth at multiple community events
- Researched events suitable for Phase II education community outreach
- Distributed Our water, Riparian, and septic system maintenance outreach materials
- Coordinated and maintained public education tools (watershed models, etc.)
- Researched "Our Water" campaign public relations and communications strategy

Flint River Watershed Coalition: On behalf of the of the Phase II permitees, the Flint River Watershed Coalition (FRWC) was contracted by the GCDC to provide several services, including:

- *Speaker Materials and Presentations*: PowerPoint presentations on storm water education for adult audiences such as municipal officials, rotary clubs, neighborhood associations, lake associations, etc.
- Hosting *canoe trips* on the Flint River described in the Activities Update.
- *Global Rivers Environmental Education Network (GREEN):* described in the Activities Update. *NOTE although this program is part of Monitoring and Mapping, there are education components to it.*
- *Macroinvertebrate Monitoring Program:* described in the Activities Update. *NOTE although this program is part of Monitoring and Mapping, there are education components to it.*
- The FRWC was involved in the *Storm Drain Stenciling* program described in the Activities Update.

Genesee Conservation District: On behalf of the of the Phase II permitees, the GCD was contracted by the GCDC to provide several services, including:

- The GCD was involved in the *Storm Drain Stenciling* program described in the Activities Update.
- Operate and staff the "Our Water" Information *Display booth* at the County Fair and other events described in the Activities Update.
- The GCD continues to *educate children* on storm water issues using the Enviroscape and craft projects that reinforce storm water messages as described in the Activities Update.
- *Facilitate and staff display booth at public events:* GCD schedules the display booth. Provide staff or training for volunteers.

Activities Update

"Our Water" Campaign Webpage: The development of an easy-to-use webpage with information about the seven storm water elements was identified as critical to the successful implementation of the "Our Water" Campaign. Since 2008, the Drain Commissioner's Office hosts and updates the www.ClearGeneseeWater.org webpage as needed throughout the reporting period. The "Our Water" webpage has been online since July 2006. In addition www.gcdcswm.com, the Drain Commissioner's Office website also has content specifically for the NPDES Ph II permitees, including copies of this and past annual reports. Many Ph II permittees that have webpages provide a link to the www.ClearGeneseeWater.org webpage.

"Our Water" Newsletter: Although this publication is available to the public, the purpose of the community updates is to keep the Communities updated with the changes to the permit program. The last newsletter was produced in September 2013 to educate on the new permit cycle. That newsletter was provided in the 2012-2013 Annual Report.

Materials and Presentation for Riparian Land Owners: An informational brochure was developed and served as a mail invite to a free workshop. Each year several subwatersheds were chosen to participate in this program. This was to continue until all subwatersheds within Genesee County had been done. All subwatersheds were completed in the 2012-13 reporting period. No new workshops were scheduled this reporting period. The public education group will have to reevaluate the program to determine if it was effective, and if any changes are necessary. Copies of the brochure were made available to the interested communities to distribute. Also, brochures were made available for distribution at the booth events. The brochure contained information on basic stream bank stabilization techniques.

Speaker Materials and Presentations: An educational PowerPoint presentation was developed by CAER and the PE committee during the last permit cycle. The presentation contains appropriate branding for the "Our Water" Campaign. The presentation contains several modules that address various target audiences, including governmental and non-governmental entities. The modules of the presentation can easily be combined to customize a presentation for time or content within the required elements.

GCDC continued its contract with the FRWC to use this modular presentation to educate groups such as municipal officials, rotary clubs, neighborhood associations, and lake associations. The following presentations were made during this permit cycle:

# Participants	Group	Venue	Participants located within
26	East Side Business Association		Flint
12	Business Networking	Walli's East	Flint, Burton, Davison, Flushing, Owosso.
37	Kiwanis Club of Flint		Flint
72-78	Unitarian Church	Church Conference Room	Genesee County, Mostly Flint and Flint Township
40	GM presentation - monitoring	For-Mar	Fenton, Grand Blanc, Flint
500 +	Steelheaders show	Flushing	Whole County
100 +	Mott Community College Volunteer Fair	MCC Campus	Whole County
125 +	University of Michigan Flint - Earth Day	UM Flint Campus	University Center
13	Flint Optimist Club	US Diner in Burton, MI	3 - Flushing, 4 Flint Twp, 5 Flint, 1 Swartz Creek
14	Boys and Girls Club	Thread Lake McKinley Park	City of Flint
30	Kettering University Community Service Fair	Kettering University	City of Flint

125	'Love Your Lake' Flint Park Lake Community Event	Lakeside	City of Flint
125	For Mar - Overnight monitoring event for kids - 'BIOBLITZ'	For-Mar	All of Genesee County
40	Flint Neighborhoods United	Woodside Church	City of Flint
41	Glendale Hills neighborhood association	West Court Streeet Church	City of Flint
32	West Side Flint Optimists Club	Valley Restaurant	Flint Township, Swartz Creek, Mundy Township
1	Congressman Kildee's office - Jordan Dickinson - Legislative Advisor, Water and Environmental Issues	River Tour	Grand Blanc
79	Facebook post promoting 7 Steps	FaceBook	Entire watershed

Brochures: In the 2003-2008 permit cycle, an educational brochure was developed to provide information about EPA's seven mandated elements of storm water education. 5,000 brochures were printed in November 2006, and 10,000 reprints were made during this permit cycle. The brochures are given away actively at events (see information booth heading below), and many have been passively picked up by the public at local community centers. Each municipality is also given brochures to distribute for public use and will report their activities under separate cover. Since 2006, over 10,000 brochures have been handed out. Brochure has been provided in previous annual reports.

Newsletter Articles: In 2006 several newsletter articles were composed and compiled in a Word format, placed on CDs, and distributed to permitees and partners for their use. Sometimes permitees, partners, or other publications will print an article on a stormwater topic.

Time of Sale Septic Brochure: Information to help educate septic system owners on proper maintenance and practices has been compiled into a brochure with the help of Genesee County Health Department. Copies have been given to the Genesee County Health Department, interested communities and 800 were given to the realtors association to distribute to interested realtors wishing to provide this information to new property owners. (Not all communities have residents with septic systems.) A copy of the septic system booklet was provided in previous annual reports.

Promotional Giveaways: GCDC purchased an additional 4000 promotional giveaways (premiums) in Sept 2013 to further storm water awareness. More than half have been given away this reporting period. Premiums purchased included water bottles and tote bags; a coloring book was also printed in-house to reach out to children. Premiums are given to the public at the information booth (see below). A person can win a premium if they answer a storm water-related question. This allows the booth staff/volunteers to engage the public in conversation, provide stormwater education and give them an educational brochure.

Information Booth: A display booth was developed in 2006. The booth includes a table and a free-standing banner outlining the seven simple steps to clean water. Educational activities were also developed to help engage people at public events.

The booth is staffed by volunteer municipal officials and staff of the GCDC or the Conservation District. Volunteers are trained to conduct the educational activities, which include giving premiums to each person who tries to answer a question on water quality. This approach serves several purposes:

- To educate the elected official
- To allow the communities themselves to teach the public about storm water issues
- To actively involve participants in the learning process

During this reporting period, the booth was used at the events listed below.

3/8/14	Keep Genesee Co Beautiful Summit	114 educated
3/29/2014 & 3/30	Home and Garden Show (Perani Arena)	492 educated
4/11/2014	Earth Day (U of M Flint Campus)	146 educated
7/17/2014	Flint Farmer's Market	72 educated
8/18/2014 thru 8/24	Genesee County Fair	1443 educated
9/5/2014	Women 2 Women Expo (Perani Arena)	335 educated
9/13/2014 & 9/14	Bikes on the Bricks (downtown Flint)	415 educated
9/23/2014	Flint Farmer's Market	97 educated
9/27/2014	Applewood Harvest Festival	293 educated

*Demographic Data by community in Appendix A

Student Education: GCDC-SWM contracted with the GCD to provide storm water education services to school-aged children on behalf of the Phase II permitees. During 2013-14 GCD reached thousands of students in the Phase II communities. In school presentations which may have included the Enviroscapes or an arts and craft project focusing on aquatic habitat and its relation to the storm water system in Genesee County. Kids (approximately) ages 6-12 had an interaction period with staff that focused on the water cycle, watersheds and possible sources of non point source pollution. They then had a hands on component that reiterated the concepts introduced in previous discussion.

A newer program that the Conservation District has begun for older students was built around a game show. Students got a chance to earn a spot on the game show "Conservation Style". All the students were given the chance to study to compete to participate in "Conservation Style". Those in the show got a chance to play interactive games and answer trivia questions about storm water. Participants played for a chance to win a prize. Those not chosen, participated in experiments for the audience, interactive activities and interviews meant to showcase their knowledge of storm water.

The conservation District also uses online games "the watershed game", hands on activities "water cycle relay race" & "filter the pollution".

GCDC has four "Enviroscape" interactive models that demonstrate how pollutants can reach bodies of water. The Conservation District keeps one of the Enviroscape models for their own education program (see next section.) The other three models are available to be checked out for use by teachers/educators and available for demonstrations at events. GCDC-SWM staff has met with the Genesee Intermediate School District (GISD) program coordinators to let them know what tools we have available for their teachers including the enviroscape.

Following is a list of the presentations made in 2013-2014:

Table 0-1: Breakdown of GCCD Water Quality Presentations in Fiscal Year 2013-14

Month	Event	School aged children reached:	Parents/adults reached:
2/28/14 3/7/14 3/14/14	Northwestern Highschool	15-20 per class *14 classes	1 per class
	Boys and Girls Club	20-25 per class	1 per class
April, May, June 2014	Boys and Girls Club	15-20 per class *11 classes	Unknown
4/23/14	State Rd Elementary	20-30 per class Multiple classes	Unknown
5/16/14	Kettering university	20-30 per class Multiple classes	Unknown
6/3/14	Beecher HS	20-30 per class Multiple classes	Unknown
	U of M early child development center	10-20 per class *3 classes	
	Boys and Girls Club	15-20 per class *3 classes	Unknown
4/14/14 4/15/14 4/16/14 5/28/14 5/29/14 6/10/14	Northwestern HS	15-20 per class *6 classes	1 per class
4/18/14 6/3/14 6/5/14 6/26/14	Communities 1st Inc. public event		
6/19/14	Juneteenth Celebration (max Brandon Park)		
7/23/14	Durant Tuuri Mott Elementary	20-30 per class *1 classes	1 per class
7/10/14	Randels Elementary	20-30 per class *1 classes	1 per class
7/8/14 7/23/14 7/29/14	Neithercut Elementary	20-30 per class *3 classes	1 per class
	U of M early child development center	10-20 per class *8 classes	
7/10/14 7/15/14 7/22/14	Communities 1st Inc. public event		
	Freeman elementary	20-30 per class *3 classes	
	Carmen Ainsworth Middle School	20-30 per class *1 classes	
		3500+ students	

GCDC-SWM also contracted with the FRWC to support the Project Global Rivers Environmental Network (GREEN) Educational Program. (Program is also discussed in the M&M Sub-Committee -Section 7). Participation from:

26 teachers from 15 school districts
Over 1000 students participated
Testing water at various locations throughout Genesee County

Table 0-2: Breakdown of Project Green Schools in Fiscal Year 2013-14

	School	Teacher	Students located within:
1	Atherton High School	Matt Hyslop	City of Burton
2	Beecher Middle School	Don Hammond	Mt. Morris Twp, Genesee Twp
3	Bendle High School	Todd Barden	City of Burton
4	Carman-Ainsworth High School	Julie Lawrence	Flint Twp, Mundy Twp
5	Carter Middle School- Clio	Ryan Niemi	City of Clio, Vienna Twp, Thetford Twp, Montrose Twp
6	Carter Middle School- Clio	Chip McCallum	City of Clio, Vienna Twp, Thetford Twp, Montrose Twp
7	Davison Middle School	Jody Doty Kosiara	Richfield Twp, Davison Twp, City of Burton
8	Flushing High School	Paul Taylor	Flushing Twp, City of Flushing, Mt. Morris Twp, Flint Twp, Clayton Twp
9	Grand Blanc East Middle School	Deb Lacki	City of Grand Blanc, Grand Blanc Twp, Atlas Twp
10	Grand Blanc East Middle School	Patricia Nelson	City of Grand Blanc, Grand Blanc Twp, Atlas Twp
11	Grand Blanc East Middle School	Crystal Sobeck	City of Grand Blanc, Grand Blanc Twp, Atlas Twp
12	Grand Blanc West Middle School	Elizabeth Lemerond	City of Grand Blanc, Grand Blanc Twp, Mundy Twp
13	Grand Blanc West Middle School	Victoria Skrisson	City of Grand Blanc, Grand Blanc Twp, Mundy Twp
14	Kearsley Armstrong Middle School	Cindy Sierra	Genesee Twp, Richfield Twp, City of Burton
15	LakeVille Middle School	Matt Chapin	Forest Twp, Richfield Twp
16	LakeVille Middle School	Ginny Gaudard	Forest Twp, Richfield Twp
17	LakeVille Middle School	Josh Henley	Forest Twp, Richfield Twp
18	Linden Middle School	Kim Cornell	Argentine Twp, City of Linden, Fenton Twp
19	Linden Middle School	Charlene Nester	Argentine Twp, City of Linden, Fenton Twp
20	Mt. Morris Junior High School	Nick Carr	Mt. Morris Twp, City of Mt. Morris, Genesee Twp, Vienna Twp, Thetford Twp
21	Mt. Morris Junior High School	Bekah D'Haene	Mt. Morris Twp, City of Mt. Morris, Genesee Twp, Vienna Twp, Thetford Twp
22	Mt. Morris Junior High School	Kim McCormick	Mt. Morris Twp, City of Mt. Morris, Genesee Twp, Vienna Twp, Thetford Twp
23	St. John Vianney Catholic School	Janice Matlon	City of Flint, and students throughout Genesee County
24	Swartz Creek Middle School	Brandolyn Forbes	Clayton Twp, Gaines Twp, City of Swartz Cr, Flint Twp, Mundy Twp
25	Swartz Creek Middle School	Paul Speck	Clayton Twp, Gaines Twp, City of Swartz Cr, Flint Twp, Mundy Twp
26	Westwood Heights - Hamady High School	Arletha Bryant	Mt. Morris Twp

NOTE: many teachers had multiple classes participating

Catch Basin Stenciling Program: The Our Water Program has a catch basin stenciling program. The stencils say "No Dumping - Drains to River". Since 2006, volunteers and County staff are able to paint approximately 500+ stencils per year on Genesee County Roads, including City owned roads. A printed doorknob hanger is distributed to educate residents adjacent to the stenciling locations.

- As part of preventive maintenance, the Genesee County Drain Commissioner's Surface Water Maintenance crew cleans and stencils hundreds of catch basins throughout the county each year. In 2012, GCDC staff purchased an additional 1200 4" metal storm drain markers to be installed over the next several years. Storm drain markers are installed on catch basin grate covers located within road ditches and rear yards. Storm drain markers are anticipated to have a 30 year life expectancy.
- Volunteer stenciling groups were organized by both FRWC and GCD. Also GCDC-SWM staff worked with individual stenciling volunteer groups by providing technical support, supplies and catch basin locations for stenciling. Below is a list of volunteer groups that participated.

GCD: Held 7 Storm drain stenciling events:
5/30/14 Northwestern HS JAG students (Cranewood Dr, Cranewood Ct, Bundy Ave)
6/2/14 Northwestern HS JAG students (Daryll Dr, W. Alma Ave, Chatham Dr)
9/24/14 City Flint Residents (Camden Ave, Vermilya Ave, Pettibone Ave, Lincoln Ave, Neubert Ave)
9/24/14 City Flint Residents (Webster Rd, Polly St.)
9/26/14 City Flint Residents (Leta Ave, Burroughs Ave, Circle Dr)
9/26/14 City Flint Residents (McKinley Ave, Ogema Ave, Lochhead Ave.)
9/29/14 City Flint Residents (N Dexter St, Whittier Ave, Bennett Ave, Starkweather St)

FRWC: Held 17 Storm drain stenciling events:

Date	Municipality	Volunteer Group	Volunteer Demographic	Adults	Child	# homes	# drains	Location of stenciling
10/13/2013	Flushing (Flushing Twp.)	Girl Scout Troop	Flushing	3	3	85	11	Coutant St (McKinley Rd to Circe Dr) All of Circle Drive, E Park Ave (McKinley Rd to Circle Dr)
10/14/2013	Grand Blanc Twp.	Girl Scout Troop	Grand Blanc Tnp, Flint, Mt. Morris	4	9	85	33	McGrath (Todd Street to Fern Ave); Fern Ave (McGrath St to Rollins St); Rollins St (Fern Ave to Morceri Ln); Morceri Ln (Rollins St to Russell St)
10/16/2013	Montrose	Hill McCloy NHS	Flushing, Flushing Twp, Montrose	4	6	125	54	Orchard St (Baldwin St to Creager Dr); Russell St , McCormick St, N Genesee St (E Hickory St up); N Saginaw St (E Hickory to North St)
10/19/2013	Swartz Creek	Girl Scout Troop	Fenton, Swartz Creek	2	2	66	NA	Due to rain drains unable to be stenciled. Streets where doorhangers handed out: Green Leaf Dr (Oakview Dr to Norbury Dr); Norbury Dr (Green Leaf Dr to Durwood Dr); Durwood Dr (norbury Dr to

								Oakview Dr); Oakview Dr (Durwood Dr to Green Leaf Dr)
11/1/2013	Montrose	Hill McCloy NHS	Flushing, Flushing Twp, Montrose	4	8	100	35	Eastman St, Carlann St, Elizabeth St, Park St, Ray St, Feher Dr, Leroy St, Douglas St, Alfred St, Parkway Dr
11/8/2013	North Branch	North Branch HS	North Branch	1	3	15	17	North Branch Hs & MS Parking lots
11/10/2013	Flint	Kettering University - Group 1	Ashland, Wi; Allen Park, Mi; Watertown, Ny; Brownstown, Mi	4	0	137	48	S Vernon Ave , Hastings St, Roome Ct, Lafayette St, Windmere Ave, Commonwealth Ave, Gendale Ave, Sheriff Pl
11/10/2013	Flint	Kettering University - Group 2	Milan, Mi; Allen Park, Mi; Clinton Twp, Mi	3	0	135	55	Chandler Ave, S Lynch St, Commonwealth Ave, Chalmers St, Windmere Ave, E 2nd St, Glendale Ave, Greenfield Ave
11/10/2013	Flint	Kettering University - Group 3	Watertown, Ny; Ashland, Wi; Brownstown, Mi; Milan, Mi; Clinton Twp, Mi; Allen Park, Mi	7	0	105	34	Monclair Ave, Chalmers St, S Franklin Ave, Lafayette, Greenfield Ave, Gold Ave, Commonwealth Ave
7/21/2014	Flint	Boys & Girls Club - Group 1	Flint	3	6	67	23	Peer Ave, Collingwood Pkwy, Harold St, E. Eddigton Ave, E. Belvidere Ave
7/21/2014	Flint	Boys & Girls Club - Group 2	Flint	2	5	56	16	Belevedere Ave, Collingwood Pkwy, Orville St, Peer Ave, E. Eddington Ave, Harold St
8/9/2014	Fenton	Girl Scout Troop	Fenton, Linden, Fenton Twp	4	4	94	27	Worchester Dr, Newport Dr, Briarwood Ln Forest Dr
9/9/2014	Swartz Creek	Swartz Creek HS	Swartz Creek	2	7	132	46	Helmsley Dr, Chelmsford Dr, Daval Dr, Oakview Dr, Worchester Dr, Don Shenk Dr, Winshall Dr
9/10/2014	Fenton	Jaime, Gannon, Sabrina Welch, Ryan Turok	Fenton, Mi	1	3	87	21	1st St, 2nd St, 3rd St, 4th St, N Walnut St, N Oak Street (due to rain, stenciling was not able to be done)
9/11/2014	Grand Blanc	Scott, Melynda, and Michael Hatten	Grand Blanc	2	1	72	18	Glen View Ln, Lismore Cir, Lilac Ln, Verbena Ct, Iris Ct, Iris Ln, Valerian Ct
9/17/2014	Flint	Kettering University	Clinton Twp, Mi; Allen Park, Mi; Midland, Mi; Flint, Mi	4	0	121	51	Lavender Ave, Copeman Blvd, Begole St, Mallery St, Concord St, Clement St, Forest Hill Ave
9/26/2014	Fenton	Molpus Family	Fenton, Mi	2	1	53	22	Rosalie Dr, Natalie Dr, Theresa Dr, Cristina Dr, Carmela Dr

GCDC: -Stenciled those storm inlets that were cleaned (weather permitting) approx 200
250 Storm drain markers have been placed on catchbasins in the last reporting period
- Oct 2013: Provided supplies and training to Flushing High School Environmental Action Group. Stenciled 53 structures in City of Flint.
-May 2014: Provided supplies and training to girl scout troop. 4 adults/7 children received training. 25 Stencils were placed in City of Flushing, Flushing Twp, and Clayton Twp on Coutant, chaimberlain, Leland, Wilcox, Cherrywood, Ashwood, Joyce, Central Elem. Sch.

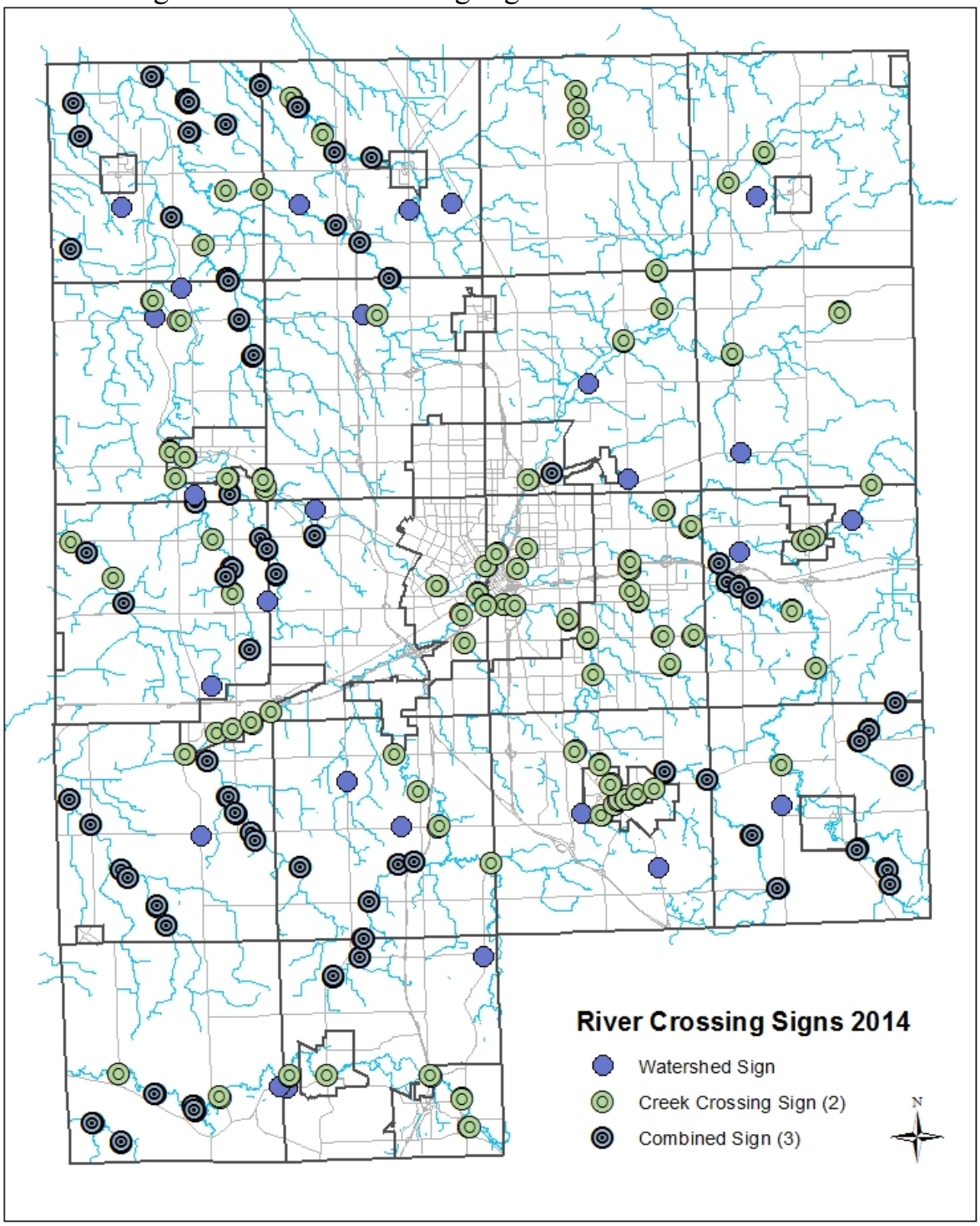
Canoe Trips on the Flint River. Due to weather there were an additional canoe trips scheduled and advertised this summer. Those that were held are shown below:

7-Jun-14	Irish Road to Mott Lake	13 attendees	White Lake, Grand Blanc, Milford, Flint, Fenton, Metamora, Flushing
21-Jun-14	Birch Run to Morseville Road to Seymour Road	8 attendees	Flushing, Flint, Grand Blanc
5-Jul-14	Riverview Canoe Landing to River Road	9 attendees	Grand Blanc, Flushing, Burton, Linden, Davison
19-Jul-14	Holloway Dam to Irish Road	16 attendees	Flushing, Holly, Berkley, Clarkston, Lapeer, Flint, Burt, Fenton, Columbiaville, Grand Blanc
16-Aug-14	Montrose Barber Memorial Park to Birch Run	8 attendees	Linden, Ortonville, Flushing, Montrose,
6-Sep-14	Bray Road to Viet Nam Veterans Park	8 attendees	Holly, Fenton, Flint, Ft. Wayne, IN. These are the paddle participants. This does not count those who peddled only but did not partake in the paddle portion of the day.
20-Sep-14	Flushing Riverview Park to Dodge Road	10 attendees	Flushing, Metamora, Fenton, Flint, Mosseheart, IL, Holly Brighton, Howell
11-Aug-14	Flint River, Flint to Flushing	20 attendees	This paddle resulted in a printed article in the Flint Journal, and an on line article in Mlive. http://www.mlive.com/entertainment/flint/index.ssf/2014/08/the_flint_river_isnt_what_you.html#incart_m-rpt-2 "The Flint River Isn't What You Think It Is".

Also the FRWC had videoed a few participants reactions from being on the Flint River after the August 2013paddle and posted the results on youtube. http://www.youtube.com/watch?v=iBbvFGOUgpM&feature=plcp

Watershed Signs: In cooperation with the Genesee County Road Commission (GCRC), the PE committee began installing 24" x 30" watershed signs throughout the Shiawassee and Flint River Watersheds in late 2006 & 2008. Stream/river crossing identification signs have also been placed to increase public awareness. 56 additional signs were made to be installed by the Cities for 2013-14 fiscal year. Signs were complete and delivered to the following Cities: Burton, Clio, Davison, Fenton, Flint, Flushing, Grand Blanc, Linden, Mt. Morris & Swartz Creek.

Figure 0-1: River Crossing Signs Placed as of Oct 2014



Local Watershed Maps: The PE Sub-Committee has developed educational material for teachers. These materials are intended to meet the new curriculum requirements for grades K-12. The GCDC is working with GISD staff to distribute the watershed maps to the appropriate teachers. A meeting took place to talk to the GISD education coordinators in January 2014.

Macroinvertebrate Monitoring Program: Since 1999, the FRWC has executed a bi-annual Benthic-Monitoring Program that has been performed to meet MDEQ requirements. This program has expanded from 18 sites to 30 since its inception. (18 of the 30 are within Genesee County) This program is possible due to volunteers who live in the watershed who give up two days twice a year to be trained to collect and log samples. The data is used to categorize sites as "poor", "fair", "good" or "excellent" and provide a good assessment of water quality. **Section 8** provides additional detail on Benthic-Monitoring Program and summarizes findings for each watershed. Many of the Students that participate in GREEN and do chemical testing on the river also perform a Macroinvertebrate survey to show the students what kind of life lives in the Flint River and Shiawassee River.

Public Education Plan Evaluation:. The evaluation plan will focus on monitoring outputs and outcomes of the education program. Currently, Tetra Tech and the GCDC staff are working to maintain records of outputs of the education program (number of people addressed at public events, number of presentations conducted, etc.) Tetra Tech, and the PE Sub-Committee are working on a robust evaluation plan to monitor outcomes (changes in behavior, changes in knowledge, etc.) in addition to outputs currently being monitored. Initial areas of success and areas needing improvement are summarized as follows.

Areas of success:

- Educational materials are constantly expanding and available
- Stenciling program delivered
- Brochures delivered
- Booth (for outside events) delivered
- Presentations are made to local groups on an on-going basis
- School age children are educated about storm water impacts on local waterways.
- Road Signs Installed and Maintained

Areas of need:

- Staffing constraints do not allow enough time dedicated solely to education efforts
- Have had contract issues with certain partners
- Implementation of Education efforts taking longer than expectations

Other Education Efforts: There are many education efforts throughout Genesee County that promote the storm water message, but are not directly supported by this program. They may be supported by a local community or a nonprofit group. These efforts are listed below and included in Appendix A

- Walking path along river has free standing watershed signage, between Genesee county parks and City of Flushing Park.
- Park provides education on proper disposal of pet waste at the City of Flushing Park.
- The FRWC coordinates a river cleanup on the Flint River and its tributaries both within Genesee and Lapeer counties. The Cleanup was on April 26th. Volunteers removed debris/ trash

along 10 different locations in Genesee County and 4 locations in Lapeer County on the Flint River and its Tributaries. Staff from the County and local municipalities including the Drain Office, Parks and Rec, City of Flushing, City of Flint and others assisted with the cleanup by provided staff or garbage removal.

- There is an Annual River cleanup on the first week of June along the Shiawassee River, organized by a Fenton council member.
- Friends of the Shiawassee in another watershed group that is focusing on the health of the Shiawass River within Genesee County. There have been discussions with Drain Office Staff on expanding the Benthic monitoring program.
- Flint River Corridor Alliance is a community based organization of Government, non-profit and private sector stakeholders, focusing on the Flint River as it goes through the City of Flint. They held a Boats, Bikes & Bricks Triathlon on and around the Flint River.
- Genesee County Parks provides education on many subjects including storm water. (**H2** kn**O**w!)
- Household Hazardous Waste*:* The Our Water program supports this program by promoting it but this program is developed and managed by Genesee County Planning Commission, General Motors, UAW Local 599, Goodwill Industries, 5R Processors and Keep Genesee County Beautiful & several communities including City of Flint participate and/or support this program both financially and with staff. In the spring and fall there are HHW and electronic waste collections. City of Flint hosts a site at their Water service center. A second site moves to a new location around the County. This is either hosted at a school or municipal property. In the last couple of years this program has been expanded to include electronic waste.
    - Oct 26, 2013: Davison HS, Flint Water Service Center, Goodwill Industries, Averill Ave
    - June 7, 2014: Swartz Cr HS, Flint Water Service Center

PUBLIC PARTICIPATION PLAN

The PPP was implemented under previous years' annual reports. No PPP meetings were held within this reporting period. They are done on an as-needed basis and typically run concurrent with the updating of WMPs and if there is a significant event where public input is appropriate.

Report to Municipal Officials: Local appointed and elected officials are critical players in adopting the WMPs and allocating resources toward their implementation. Obtaining buy-in and providing education to this group helps to ensure the success of implementing the WMP. Local appointed and elected officials acknowledge their accountability to their constituents and embrace their role in shaping the future vision of the WMPs. As public officials, local government leaders value the advice, concerns, and issues that community residents see in terms of the watershed condition past, present and future.

Municipal officials are given newsletters as needed that provide updates on the status of storm water and watershed planning efforts. Each municipality is given 25-50 newsletters to be passed out to elected officials and planning boards. Municipalities are also given brochures and information packets to dispense to the public.

3- CONSTRUCTION STANDARDS AND PRACTICES SUB-COMMITTEE ACTIVITIES

The Construction Standards and Practices (CSP) Sub-Committee oversees new construction standards and post construction management practices for Genesee County, including storm water Best Management Practices (BMPs). This Sub-Committee also updates ordinances to ensure compliance with Environmental Protection Agency (EPA) requirements. In this reporting period, the CSP Sub-Committee held meetings on the following dates:

February 4, 2014

CSP Membership included:

- **City of Flushing – Dennis Bow**
- **City of Grand Blanc – Matt Wurtz**
- **City of Linden – Scott Fairbanks**
- Atlas Township – Shirley Jones
- **Fenton Township – Bonnie Mathis**
- **Genesee Township – Steven Fuhr**
- Grand Blanc Township – Mikki Hoffman
- Montrose Township – Mark Emmendorfer
- Richfield Township – Joe Mador
- Village of Goodrich –

Bolded members are Phase II communities

The work of this sub-committee is being done on behalf of the following Communities:

• Davison Township	MIG610089
• Fenton Township	MIG610064
• Flint Township	MIG610066
• Genesee Township	MIG610073
• Mt. Morris Township	MIG610082
• Vienna Township	MIG610088
• City of Burton	MIG610060
• City of Clio	MIG610061
• City of Davison	MIG610063
• City of Fenton	MIG610065
• City of Flushing	MIG610067
• City of Grand Blanc	MIG610075
• City of Linden	MIG610078
• City of Mt. Morris	MIG610081
• City of Swartz Creek	MIG610086
• Genesee County	MIG610072

STORM WATER ORDINANCE

The CSP Sub-Committee has been working to establish an approach for developing a Storm Water Ordinance for communities to adopt within Genesee County. After reviewing State requirements and sample ordinances from other counties, Kent County's ordinance was selected as a model. The CSP Sub-Committee reviewed and tailored the ordinance, and has been submitted to the state for their approval. All communities were encouraged to provide input to the draft ordinance. The final ordinance and Standards and Design Manual were submitted on September 30, 2010, after meeting with the DEQ and negotiating their contents.

The Ordinances (regulating mechanism) and standards are done and provided to permittees. The standards are a combination of State NPDES Ph II requirements and GCDC flood control requirements. The local governments may elect to adopt stricter standards. During the training for the new permit application it was expressed by the State that Townships do not have to pass an actual ordinance. Townships may pass an alternative regulatory mechanism that cites the requirements in the permit application, only for those outfalls under their jurisdiction. Each community will have to adopt an ordinance/regulatory mechanism, whether they choose the Sub-Committee's or another version.

Currently, the only enforcement powers the County has are those given to them from the State (Public Acts that govern SESC, Septic, Road Commissions and the Drain Code). The County cannot pass an ordinance that would affect private property, but will enact policy to govern County-owned property. Individual communities have their own police power to enforce the ordinance. They also have the right to extend those powers to another entity to enforce the ordinance on their behalf.

When the ordinances are adopted, there will be a fundamental change in how development occurs. Currently, the Genesee County Drain Commissioner (GCDC) Surface Water Management (SWM) reviews approximately 70 percent of the site plans either because a county drain is directly involved and must be reviewed, or the local Community has required a review by the Drain Office and it is done as a courtesy to the Community. GCDC-SWM will review to their standards any plans submitted to their office. With the implementation of a water quality ordinance, all site plans within a community that has a storm water ordinance will be reviewed to those standards either by the Community or their representative. As always, any site plans submitted to the GCDC-SWM will be reviewed to that office's standards.

Items covered by the storm water ordinance are:

- Statutory authority and title
- General provisions
- Storm water permits and permit review procedure
- Storm water system
- Drainage plan
- Construction site runoff controls
- Floodplain and other standards
- Post construction soil erosion
- Applicability and exemptions
- Prohibited discharges (oil and other pollutants from parking lots, etc.)
- Inspection, monitoring, reporting, and record keeping
- Enforcement
- Storm water easements and maintenance agreements (post construction maintenance)
- Performance and design standards
- Storm water map
- Financial guarantee
- Terms and conditions of permits

The following sections of this report provide results for programs the BMP Sub-Committee oversees:

- Section 5 Good Housekeeping

It should be noted that the standards currently in place deal with water quantity. The new standards will also deal with water quality, and will expand both the community's and GCDC's authority as well as specify development requirements. The Storm Water Ordinance references a BMP Manual (see text below). By keeping the BMP Manual separate, and not including design guidance in the ordinance, changes can be made to the BMP Manual without revising the whole ordinance.

BMP MANUAL

Currently, Genesee County Water & Waste is the County agent (City of Burton is the Municipal Agent in their community) on behalf of Part 91of Public Act 451 and has construction BMPs for Soil Erosion and Sedimentation Control (SESC). Individual communities may or may not have ordinances that regulate construction and post construction. The CSP Sub-Committee is developing a BMP Manual, which will represent minimum standards for post construction BMPs for water quantity and quality. These BMPs will not be limited to SESC.

Communities will be able to either adopt the CSP Sub-Committee's BMP Manual or create their own. The Sub-Committee is also working to address long-term BMP operation, maintenance, and schedule issues.

Each community individually are addressing ordinances/resolutions for post construction and IDEP individually in their Permit Application(s) (due April 1, 2014). They may choose to use the ordinance template and BMP manual that were developed by the subcommittee or use other appropriate ordinances/resolutions. See Permit Application(s) for individual commitments.

4- MONITORING AND MAPPING SUB-COMMITTEE ACTIVITIES

The Monitoring and Mapping (M&M) Sub-Committee met only once during this reporting period:

January 14, 2014.

M&M Membership included:

- **City of Fenton – Dan Czarnecki**
- City of Montrose – Everette Persall
- **City of Mt. Morris – Jake LaFurgey**
- **City of Swartz Creek – Tom Svrcek**
- Argentine Township – Bob Cole
- **Davison Township – Kurt Soper**
- **Flushing Township – Terry Peck**
- Gaines Township – Paul Fortino
- **Mt. Morris Township – Gerald Deloney**
- Village of Gaines – Thomas Keech
- Village of Lennon – Larry Widigan

Bolded members are Phase II communities

The M&M Sub-Committee oversees organization and implementation of watershed monitoring, field-sampling protocols, and mapping guidelines. As part of their responsibilities, the M&M Work Group oversees several water quality monitoring programs as well as the Illicit Discharge Elimination Plan (IDEP) Program. In addition, they oversee the Hot-spot Water Quality Monitoring Program, which goes beyond IDEP by focusing on known problem areas, such as Blue Bell Beach that is frequently closed due to high E-coli counts.

The work of this sub-committee is being done on behalf of the following Communities:

- Davison Township MIG610089
- Fenton Township MIG610064
- Flint Township MIG610066
- Genesee Township MIG610073
- Mt. Morris Township MIG610082
- Vienna Township MIG610088
- City of Burton MIG610060
- City of Clio MIG610061
- City of Davison MIG610063
- City of Fenton MIG610065
- City of Flushing MIG610067
- City of Grand Blanc MIG610075
- City of Linden MIG610078
- City of Mt. Morris MIG610081
- City of Swartz Creek MIG610086
- Genesee County MIG610072

The following sections of this report provide results for programs the M&M Sub-Committee oversees:

- Section 6 319 Nonpoint Source Grant Projects
- Section 7 Project GREEN (and its educational aspects discussed in Section 2)
- Section 8 Macroinvertebrate Study
- Section 9 IDEP Program
- Section 10 New Storm Water Point Source Discharges

5- GOOD HOUSEKEEPING

Good Housekeeping is a required and essential part of an effective storm water pollution protection program. Periodic training in Stormwater Good Housekeeping practices is required for all applicable maintenance staff employed in nested municipalities or school districts. Affected personnel must be trained at least once over the course of the permit cycle.

Although no presentations have occurred during this reporting cycle, a copy of the Power Point presentation and the BMP manual developed by this sub-committee are available on the GCDC-SWM website. http://www.gcdcswm.com/PhaseII/SWPPI_SWO/SWPPI_SWO.htm. Also contract participants or nested jurisdictions are able to borrow a disc with the video entitled "Storm Warning: Stormwater Pollution Prevention "by ExCal Visual LLP. The Power Point presentation and the BMP manual explain the importance of preventing contamination from storm water run-off and ways employees can be involved at their facility. Subject matter of written and video material meets the permit requirements for employee training.

Maintenance Staff Training Topics

- Spill prevention
- Spill Control and Response
- Vehicle and Equipment Maintenance
- Vehicle and Equipment Washing
- Material Storage
- Waste Management
- Facility Maintenance
- Landscape and Grounds Maintenance
- Illicit Discharge Detection
- Contracts

In addition, individualized training in preparation for an MDEQ audit was offered to each school district nested under the GCDC general permit. The training focused on establishing and strengthening the Good Housekeeping practices listed above at school facilities. Below is a list of nested schools that chose to participate. One-on-one training for each school was provided by Tetra Tech staff. Training took place during the last and current reporting

Schools Participating in On-Site Training

- Atherton
- Bendle
- Bentley
- Carman-Ainsworth
- Flushing
- Genesee
- Genesee Intermediate School District (GISD)
- Grand Blanc
- Lake Fenton
- Swartz Creek

The MDEQ SWPPP checklist used as a guideline for the audits is available upon request.

6- 319 NONPOINT SOURCE GRANT PROJECTS

In 1987, Congress amended the Clean Water Act to establish the Section 319 Nonpoint Source Management Program because it recognized the need for greater federal leadership to help focus State and local nonpoint source efforts. Under Section 319, State, Territories, and Indian Tribes receive grant money which support a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects, and monitoring to assess the success of specific nonpoint source implementation projects.

There are three 319-grant projects within Genesee County. All are within the Middle Flint Watershed: the Swartz Creek Watershed Project, Gilkey Creek Watershed Project, and the Kearsley Creek Watershed Project. CAER and FRWC developed the Swartz Creek and Gilkey Creek WMPs and GCDC developed the Kearsley Creek WMP to control nonpoint sources of pollution. Projects may include implementing structural BMPs, non-structural BMPs, and information and education activities to eliminate nonpoint source pollution.

SWARTZ CREEK WATERSHED PROJECT

The Swartz Creek Watershed Plan has been granted 319 status by the MDEQ.

No activity occurred during the reporting period.

KEARSLEY CREEK WATERSHED PROJECT

The Kearsley Creek Watershed Plan has been granted 319 status by the MDEQ.

No activity occurred during the reporting period.

GILKEY CREEK

The Gilkey Creek Watershed Plan has been granted 319 status by the MDEQ. It outlines designated and desired uses for the watershed, historic and present conditions, watershed goals, best management practices recommendations, and an education and evaluation plan.

No activity occurred during the reporting period.

7- GENESEE GREEN

Project Green, now referred to as Genesee GREEN, has grown in Genesee County from approximately 100 students in 1990 to in excess of 1000 in 2014. The ideal is that all of the students visit specific sampling sites along the Flint River Watershed within the same week to conduct a Water Quality Index (WQI) analysis. The data gives a snapshot of that moment in time. As each year is added, comparisons can be made about the quality of the water running through the watershed environment over time. Comparisons can also be drawn between geographical sites.

The Global Rivers Environmental Education Network (GREEN) is a curriculum-based, mentored program that seeks to engage young people as active citizens to improve conditions in their watersheds. GREEN empowers young people to learn more about the watersheds they live in and use their findings to create lasting solutions to water quality problems. GREEN has been in existence for twenty years in Genesee County under the direction of the Genesee County Intermediate School District (GISD).

In 2003, the Flint River Watershed Coalition (FRWC) was approached by Earth Force Green and General Motors to be the coordinator of GREEN in the Flint River Watershed. FRWC was identified as the primary organization that could help improve program participation and effectiveness because of its focus on water quality monitoring and environmental education. The FRWC Board of Directors has endorsed this vision and is providing administrative control.

As part of the program, students from local schools learn about water quality and testing procedures by visiting various sites to take water samples and by analyzing the collected data. During the last reporting period, participation included:

26	Participating Educators
1000+	Students
14	Mentors
13	Presenters at the summit

Schools are also are encouraged to participate in a summit, where students are able to present their findings. On May 16, 2014, a student summit was held at Kettering University and students from 15 schools presented collected data.

Each site visited is categorized as excellent, good, fair, poor, or very poor based on the National Sanitation Foundation (NSF) WQI analysis. To determine the WQI, nine tests are performed. Parameters tested include dissolved oxygen, fecal coliform, pH, biochemical oxygen demand (5-day), temperature, total phosphate, nitrates, turbidity, and total solids. After completing the nine tests, results are recorded and transferred to a weighting curve chart where a numerical value is obtained as shown in Table 7-1. For each test, the numerical value or Q-value between 0 and 10 is multiplied by a "weighting factor." For example, dissolved oxygen has a relatively high weighting factor (0.17) and therefore is more significant in determining water quality than the

other tests. The nine resulting values are then added together to arrive at an overall WQI. If all nine water quality tests are not available, then the total of those samples available is multiplied by the inverse their total weighting factors.

Table 0-1: Water Quality Index Calculation Chart

Test Parameter	Q-Value	Weighting Factor	Total
1. Dissolved oxygen	Q_{DO}	0.17	0.17 x Q_{DO}
2. Fecal coliform	Q_{FC}	0.16	0.16 x Q_{FC}
3. pH	Q_{pH}	0.11	0.11 x Q_{pH}
4. Biochemical oxygen demand	Q_{BOD}	0.11	0.11 x Q_{BOD}
5. Temperature	Q_T	0.11	0.11 x Q_T
6. Total phosphate	Q_P	0.10	0.10 x Q_P
7. Nitrates	Q_N	0.10	0.10 x Q_N
8. Turbidity	Q_{Turb}	0.08	0.08 x Q_{Turb}
9. Total solids	Q_{TS}	0.07	0.07 x Q_{TS}
		Overall WQI	Sum (Q_x)

The WQI ranges are categorized as follows: 90-100 Excellent, 70- 89 Good, 50- 69 Average (Fair), 25- 49 Marginal (poor), 0- 24 Poor.

It should be noted that there was no discernible correlation between the Genesee GREEN Results and the Benthic Monitoring Results. Since the benthic monitoring results reflect the macroinvertebrates' long term exposure to their environment the results are assumed to be more reflective of the overall health of the water body compared to the one-time sampling associated with Genesee GREEN.

[Reference: *Mitchell, Mark K. and William B. Sharp, 2000. Field manual for Water Quality Monitoring: An environmental education program for schools, (twelfth edition), Kendall/Hunt Publishing Company, Dubuque, Iowa*]

Table 7-2 and Figures 7-1 to 7-4 summarize Genesee Green results for the Lower, Middle, and Upper Flint River and Shiawassee River Watersheds. Sites categorized as "marginal" are identified in the table with red font. Three sites out of 43 sites were categorized as either marginal or poor. In 2013-2014, 9 sites were visited added.

The Green Committee in December 2013 reviewed the manuals and instruction books to make user they were up to date and user friendly. Annual training is provided to the teachers and mentors.

Table 0-2: Genesee Green Results

ID No	Location	Sampled Years	Water Quality Index (WQI)
Lower Flint River Watershed			
1L	Armstrong Creek at Dodge Road	2006-07, 2011-2012	Good
2L	Craven and Benson Drain off Mt Morris Road	2007	Average
3L	Mill Street Bridge	1993, 1998-2004, 2006-2009	Good
4L	North corner of Flushing and Linden Roads	1991, 1994, 1998-2004, 2007, 2008, 2010	Good*
5L	Pirnie Creek at Beecher Road	2006, 2008	Good*
6L	Southeast corner of M-57 and Seymour Road	2001-2011	Good
7L	Clio Bike Path at Jennings Road	2007, 2009, 2011, 2012	Good*
8L	Flushing Park at Pavilion #2	2001-02, 2005	Good
9L	Mott Park	1993, 1998-2000, 2010-2013	Average
10L	Pine Run at Clio Park	2006, 2009, 2012-13	Good
11L	North of Flushing at Mt. Morris Bridge	1998	Good
12L	Seymour Rd. North of Farrand Rd.	2009	Good
Middle Flint River Watershed			
1M	Swartz Creek at Hill Road Bridge	2005-06, 2009-2010, 2012-13	Good
2M	Behind McDonalds at Dort and Stewart	2003	Average
3M	Bridge between UM-Flint and Autoworld	1993-94, 1998, 2001	Average
4M	Crampton Drain at Kearsley Armstrong	2006, 2008-2011	Good
5M	Downstream from For-Mar Nature Center	2005, 2010	Good*
6M	Gilkey Creek behind Central High School	1991-92, 1994,2001-2002, 2009	Marginal**
7M	Immediately west of the Farmer's Market	2004-06 2012-13	Good*
8M	Pierson Drain at Atherton HS	2007	Good
9M	Swartz Creek at Happy Hollow	1993-94, 2002-2003. 2010-2012	Average
10M	Swartz Creek at Swartz Creek M.S.	2005-06	Average
11M	Swartz Creek at Van Slyke Road	2002, 2012	Good*
12M	Swartz Creek Golf Course	2001-02	Good
13M	Thread Creek at McCandlish Road	2007-2008	Average
14M	Thread Creek at Rust Park in Grand Blanc	2005-2006 2012	Good
15M	Timberwolf Turnout off Irish Road	2005	Average
16M	Kearsley Creek at Goodrich Commons	2004	Good
17M	Kearsley Creek near Goodrich High School	2004-05	Good
18M	Flint River West of Johnson AAA School	2006-2010	Good
19M	Thread Creek at Bristol Rd.	2008-2013	Average
20M	Upstream of For-Mar Nature Center	2004, 2006-2009, 2011	Good*
21M	Swartz Creek at Swartz Creek MS	2012	Good
22M	Black Creek- Abernathy Park	2013	Average
23M	Frost Gardens	2012-13	Good
Upper Flint River Watershed			
1U	Bear Swamp at Genesee Road	2007	Marginal
2U	Oak Road North of Stanley	2001	Good
3U	Bluegill Boat Ramp on Mott Lake	2002, 2005	Good
4U	M-15 north of Stanley Road	1997-98, 2002	Good
5U	Holloway Reservoir at Mt. Morris Bridge	1997, 2001, 2003-05	Good
6U	Mott Farm between house and barn	1993-94, 1998, 2001, 2004	Good
7U	Richfield Park	2001, 2003-2010	Average

ID No	Location	Sampled Years	Water Quality Index (WQI)
Shiawassee River Watershed			
1S	Platform south of Main Street Bridge in Fenton	1992, 1996, 1998-2004	Average
2S	Linden Mill Pond (Shiawassee River)	2007, 2010	Good
3S	Fenton Mill Pond (Shiawassee River)	2009, 2012	Poor*
4S	Linden Middle School Grounds	2012-13	Good
Unknown Watershed			
1UNK	Unlisted Location	2009-2012	Good

*Improved since previous sampling event

Figure 0-1: Genesee Green Results for the Lower Flint River Watershed

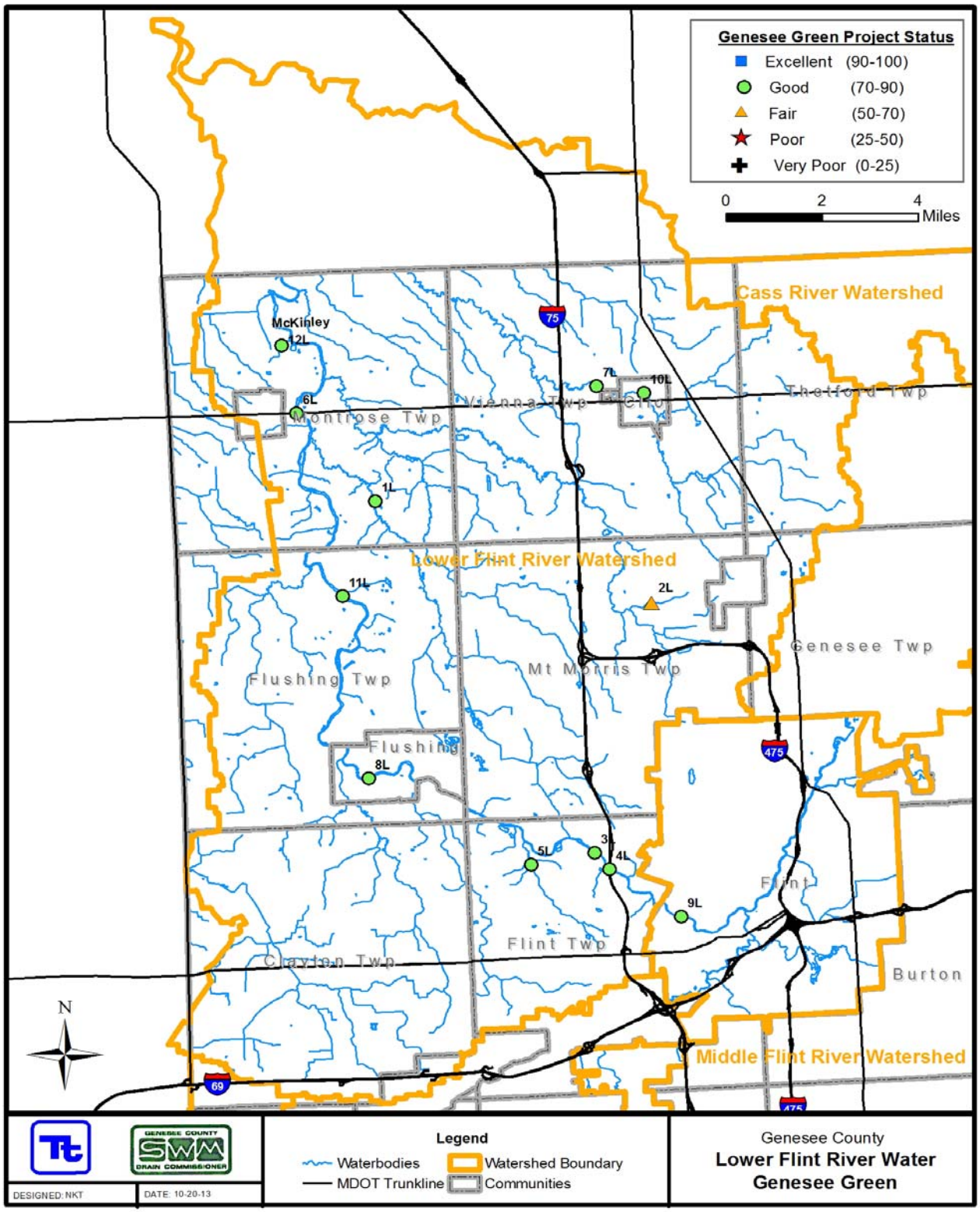


Figure 0-2: Genesee Green Results for the Middle Flint River Watershed

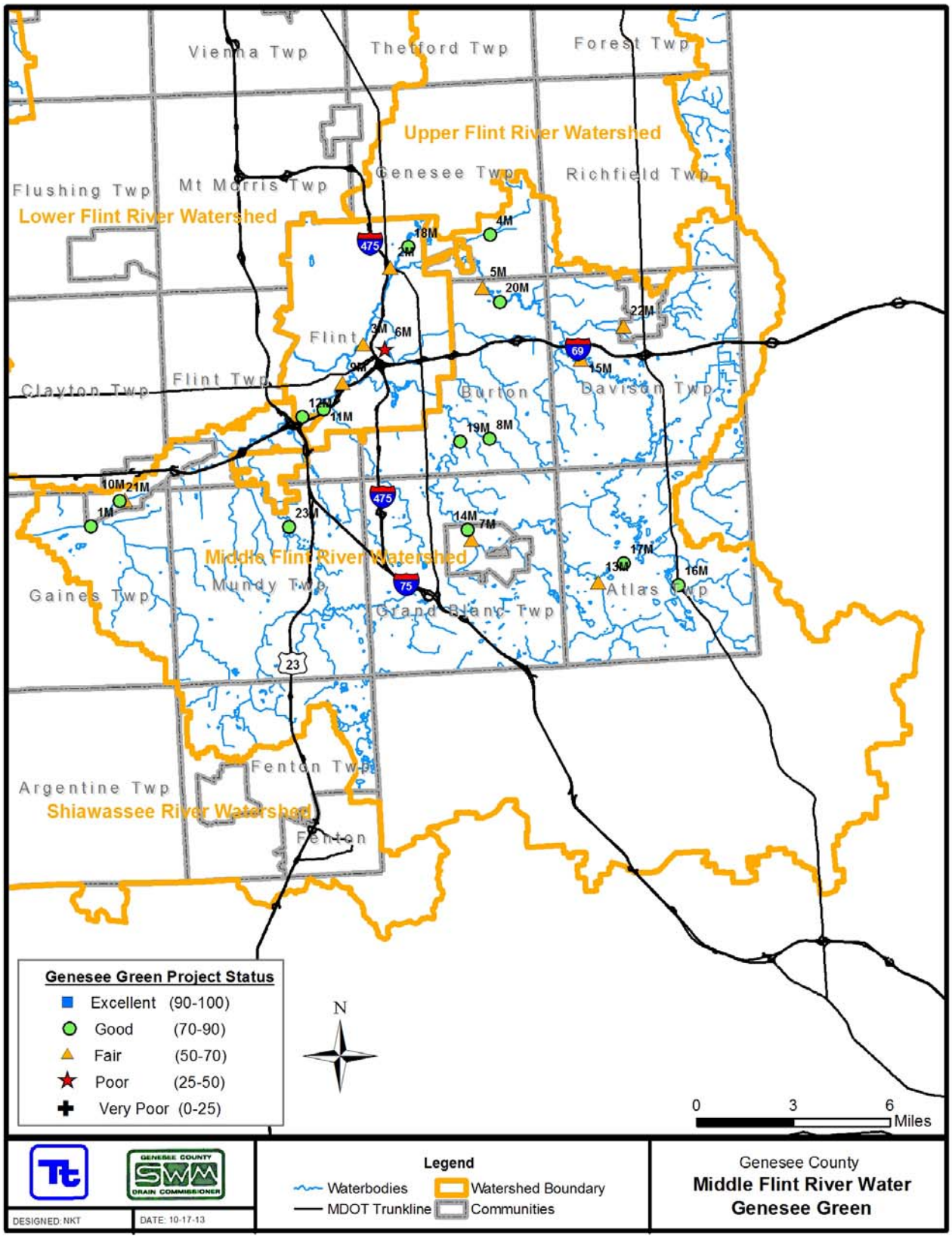


Figure 0-3: Genesee Green Results for the Upper Flint River Watershed

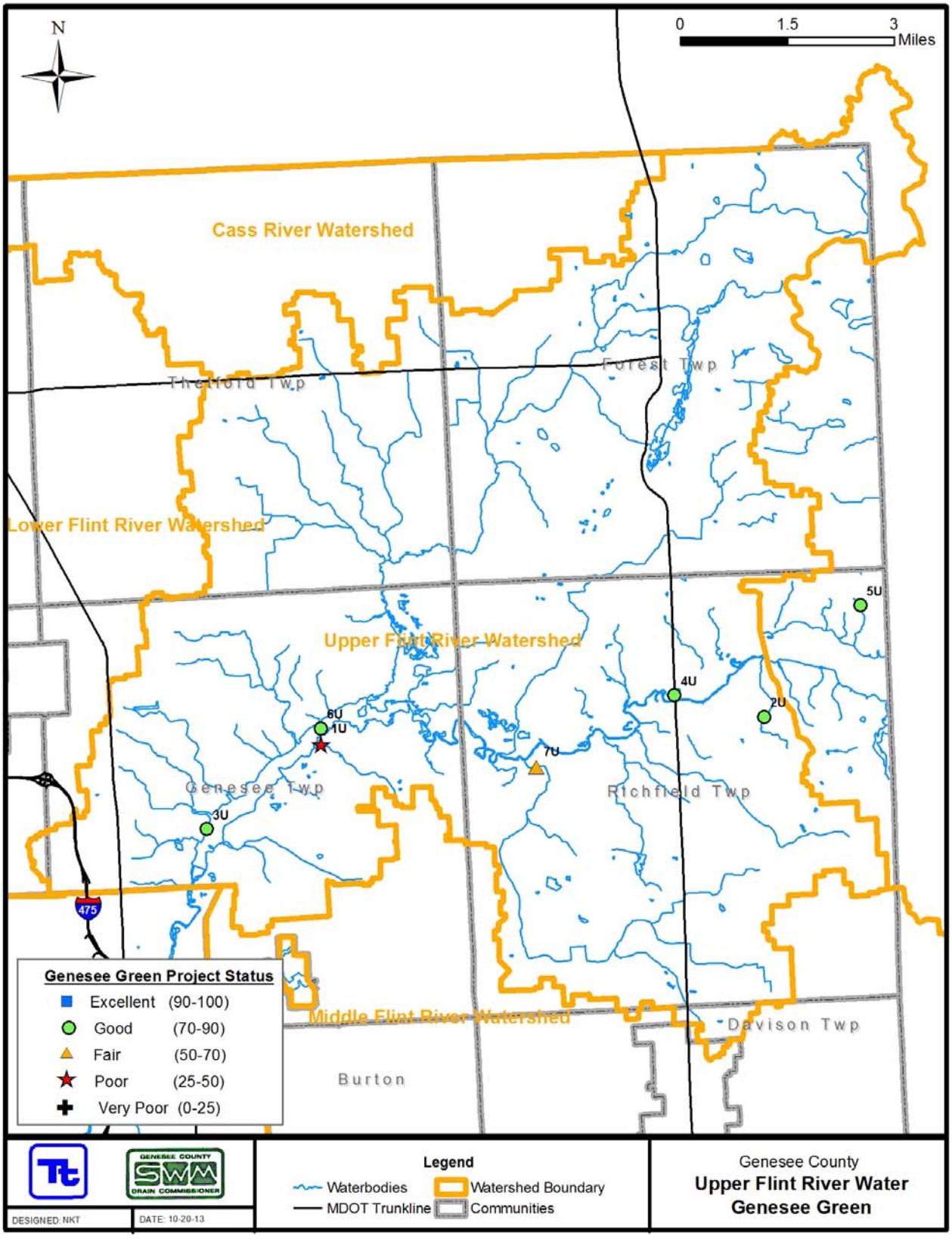
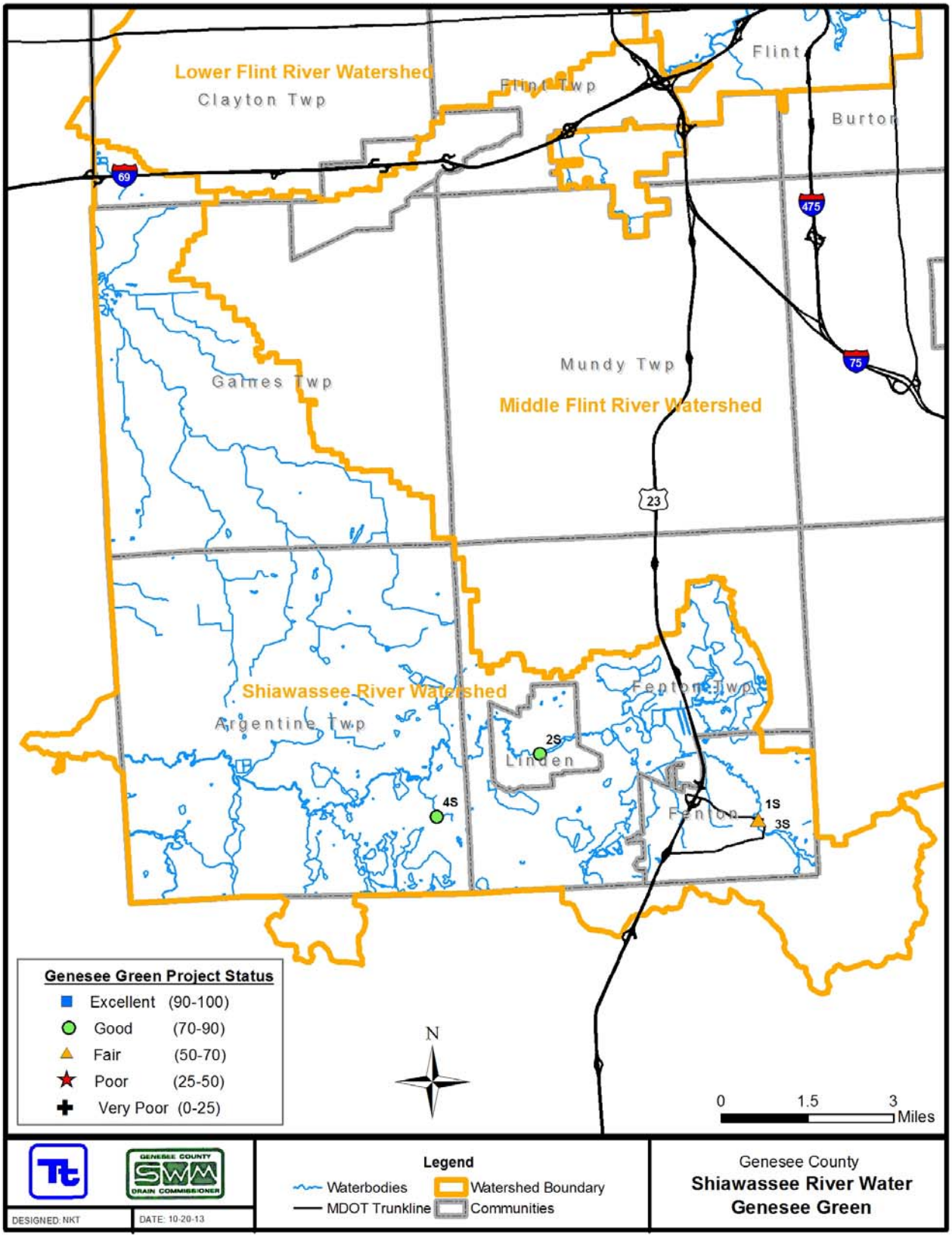


Figure 0-4: Genesee Green Results for the Shiawassee River Watershed



Flint River GREEN

(Global Rivers Environmental Education Network)

The Flint River Watershed Coalition, with our partners, coordinates an applied curriculum for middle and high school students that have a positive impact on the environment, now and into the future.

Using scientific methods, students conduct various tests to assess the health of a local river or stream. Students then work to identify any environmental problems, research the causes of the problem, and develop solutions to improve the health of their stream. Beyond merely identifying the environmental issue, the class works to make positive changes in practices or policies that allowed the problem to emerge in the first place.

Professional mentors from agencies across the watershed contribute to student learning and awareness. Prior mentors have come from General Motors, the Genesee County Drain Commissioner's office, City of Flint, the Center for Applied Environmental Research at UM-Flint, TetraTech, Flint River Watershed Coalition, Sierra Club, and Delphi.

In Genesee, Lapeer, and Oakland counties, the work done in Flint River GREEN compliments the on-going monitoring project that the Watershed Coalition has conducted for several years. It also provides information for use by the Genesee County Drain Commissioner in fulfilling responsibilities relative to storm water runoff concerns and abatement.

Recently the Flint River GREEN committee has updated an interactive website. This will allow teachers to submit information by internet and interested parties can look at data, materials information, test sites and schools that participate. http://flintrivergreen.is-great.org/

8- MACROINVERTEBRATE STUDY

Since 1999, the Flint River Watershed Coalition (FRWC) has executed a bi-annual Benthic Monitoring Program that has been performed to meet MDEQ requirements. This program has expanded from 18 to 30 sites since its inception.

This program is successful because volunteers who live in the watershed contribute two days, twice a year for training, sample collection and species identification. The scores for each site visit are averaged over the sample years and categorized as either Excellent (>48), Good (34 – 48), Fair (19 – 33.9), and Poor (<19). These scores not only give an indication of macroinvertebrate community health but also provide a good Water Quality Index value. Table 8-1 and Figures 8-1, 8-2, 8-3, and 8-4 summarize macroinvertebrate sampling results for the Lower, Middle, and Upper Flint River Watersheds and the Shiawassee River Watershed. Sites categorized as "poor" are identified in Table 8-1 with red font.

Two of the study sites received a Water Quality Index rating of "Excellent" while one site of the 21 sites studied showed a decline in water quality from "Fair" to "Poor" (red font). Macroinvertebrate study was last updated in April & May for 2013 which was included in the 2012-2013 Annual Report.

Table 0-1: Macroinvertebrate Study Results

ID_No	Location	Sampled Years	Water Quality Index (WQI)	Water Quality Changes Last Period/Current Period
Lower Flint River Watershed				
A-L	Pine Run Headwaters	1999-2000, 2003-2013	Fair	No Change
B-L	Misteguay Creek Headwaters	1999-2000, 2004-2013	Good	Fair/Good
C-L	Flint River, Flushing	1999-2013	Good	Excellent/Good
D-L	Brent Run	1999-2003, 2005-2013	Good	Fair/Good
E-L	Brent Run Headwaters	1999-2000, 2004-2013	Fair	Poor/Fair
Middle Flint River Watershed				
A-M	Swartz Creek	1999-2013	Good	No Change
B-M	Thread Creek	1999-2013	Fair	No Change
C-M	Thread Creek Headwaters	1999-2013	Good	Fair/Good
D-M	Kearsley Creek	1999, 2001-2013	Good	No Change
E-M	Kearsley Creek Headwaters	1999-2003, 2005, 2007-2013	Good	Fair/Good
F-M	Gilkey Creek	1999-2013	Poor	No Change
G-M	Gilkey Creek Headwaters	2002-2013	Poor	Fair/Poor
H-M	Gilkey Creek Restoration (Applewood)	2009-2013	Fair	New Site
I-M	Gilkey Creek Restoration (Kearsley Park)	2009-2013	Good	Fair/Good
J-M	Swartz Creek Headwaters	2007-2013	Good	No Change
Upper Flint River Watershed				
A-U	Butternut Creek Headwaters	2000-2013	Good	Excellent/Good
B-U	Flint River, Richfield	2000-2003	Replaced	Replaced with Clark Drain Site
C-U	Clark Drain, Richfield Park	2009-2013	Good	No Change
D-U	Butternut Creek	1999-2013	Good	Fair/Good
Shiawassee River Watershed				
A-S	Argentine	2008-2013	Good	Fair/Good
B-S	Linden	2008-2013	Good	No Change

It should be noted that there was no discernible correlation between the Project GREEN Results (Section 7) and the Benthic Monitoring results. Since the Benthic Monitoring results reflect the macroinvertebrates' long-term exposure to their environment, the results are assumed to be more reflective of the overall health of the water body compared to the one-time sampling associated with Project GREEN (which is more focused on inspiring youth).

Figure 0-1: Macroinvertebrate Study Results for the Lower Flint River Watershed

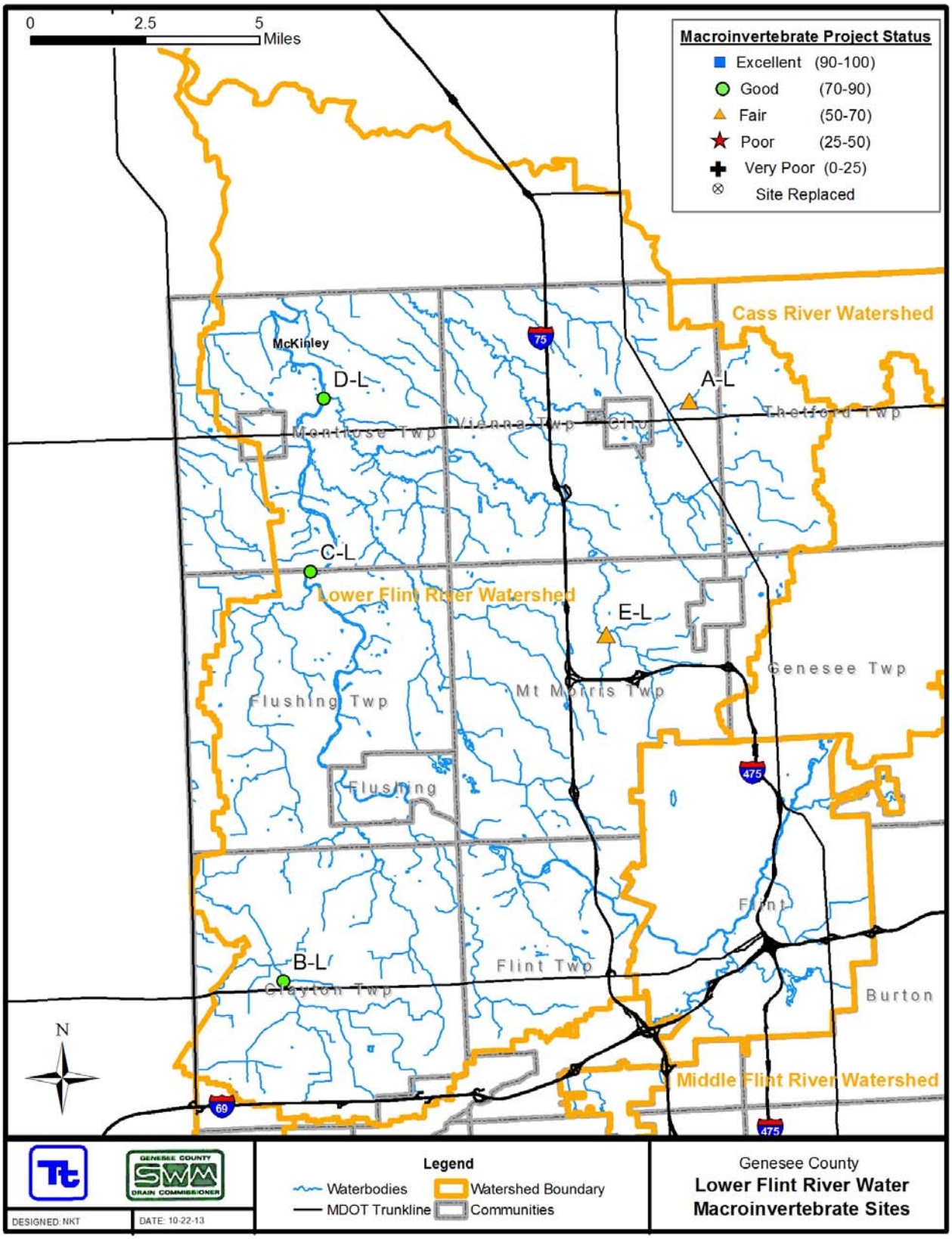


Figure 0-2: Macroinvertebrate Study Results for the Middle Flint River Watershed

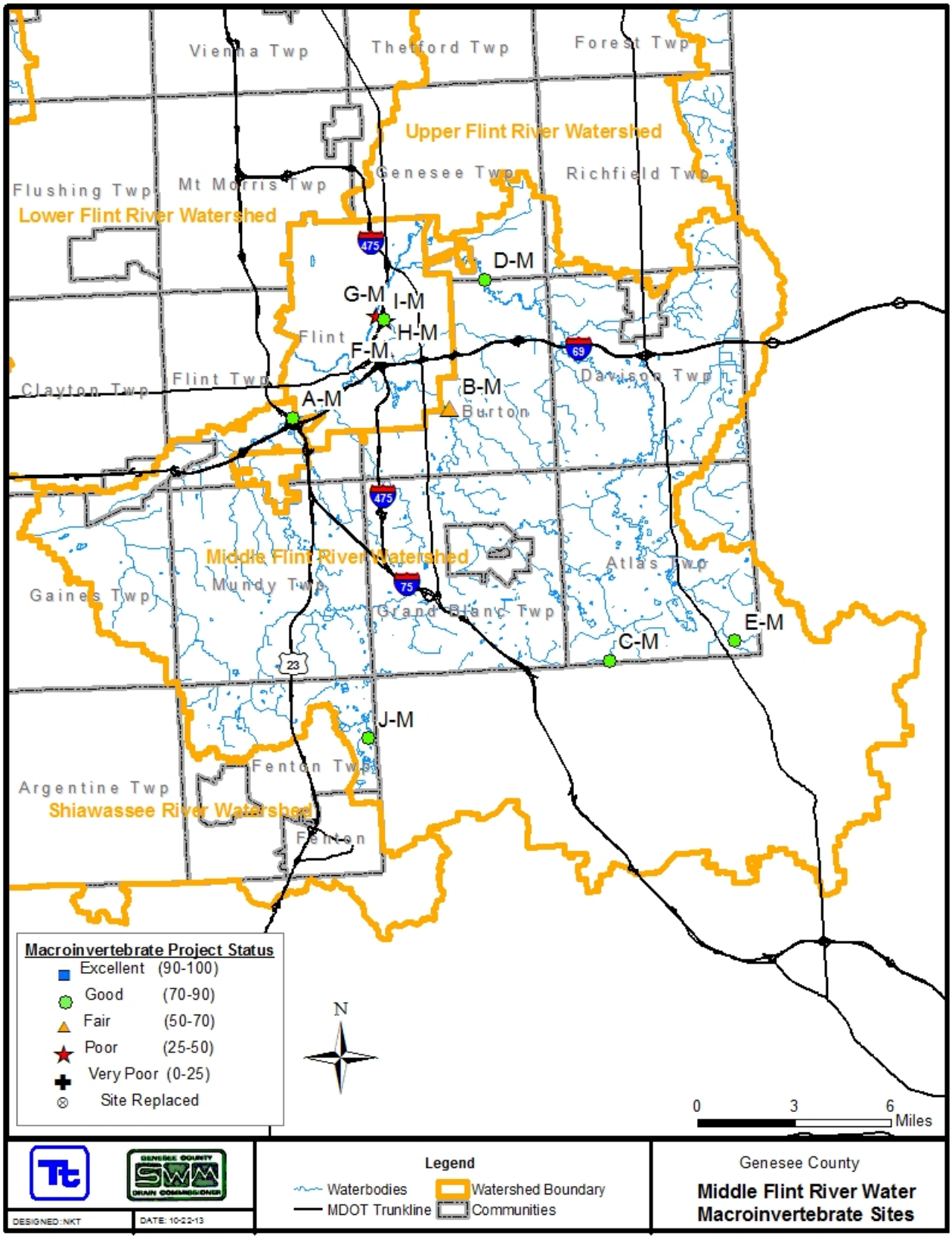


Figure 0-3: Macroinvertebrate Study Results for the Upper Flint River Watershed

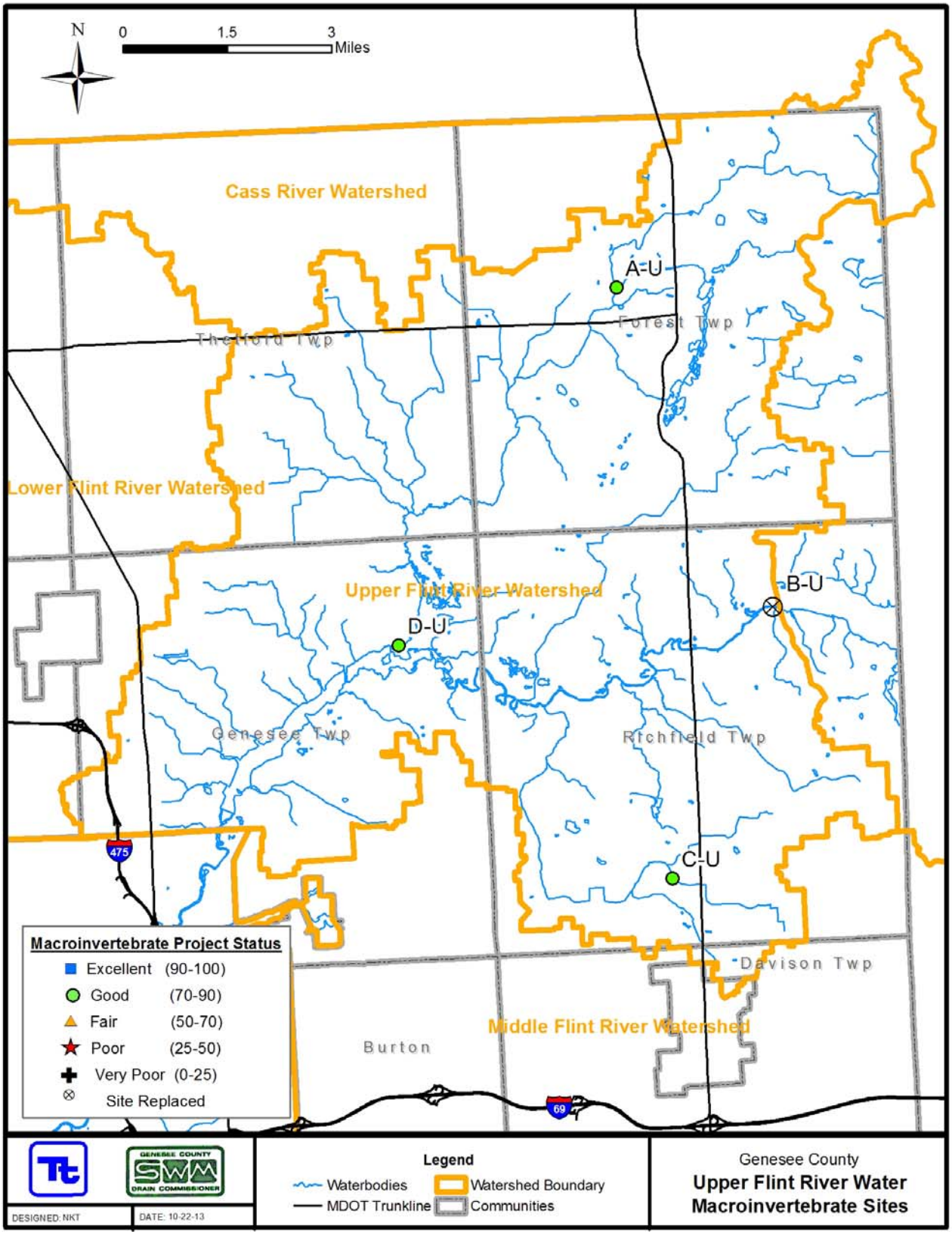
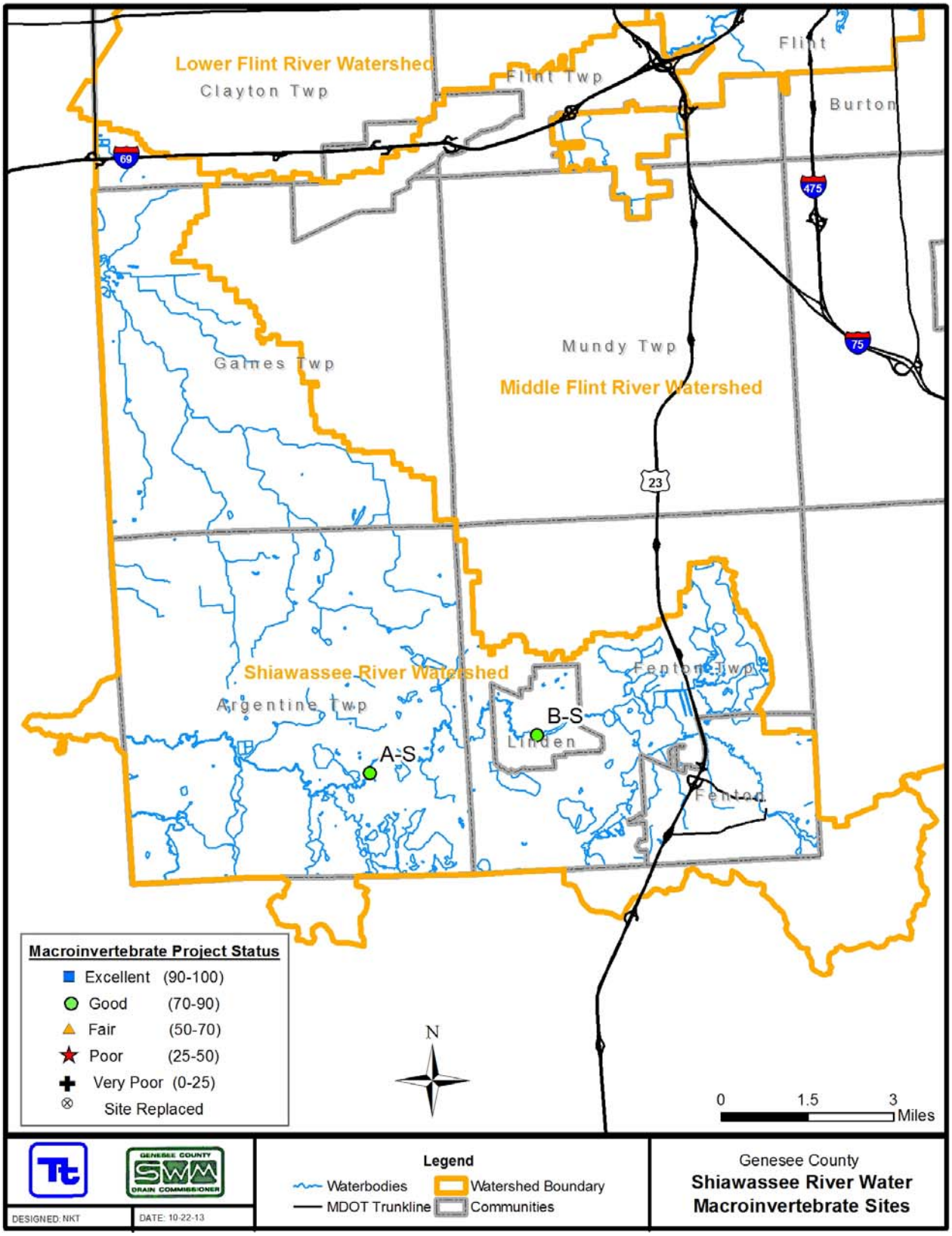


Figure 0-4: Macroinvertebrate Study Results for the Shiawassee River Watershed



9- ILLICIT DISCHARGE ELIMINATION PLAN (IDEP)

The purpose of the Illicit Discharge Elimination Plan (IDEP) is to establish a program to eliminate illicit discharges and connections, including the discharge of sanitary wastewater, to Genesee County's separate storm water drainage system. The County is required to conduct dry weather screening of all municipal separate storm sewer system (MS4) outfalls, also referred to as point source discharges (PSDs), to comply with their National Pollutant Discharge Elimination System (NPDES) permit.

This Section summarizes the IDEP activities including the illicit connections identified within each watershed and a list of PSDs identified during 2013-2014 IDEP field investigations. Also included are Phase II Permit application maps and tables showing PSDs for each municipality investigated.

Figure 9-1 shows the illicit discharge notification system process. During field investigations, crews investigate MS4 outfalls and private drains within the County drainage system. Each outfall is mapped and investigated at least once every five years. If dry weather flow is present at an outfall, the flow is sampled, analyzed, and tracked upstream to its source. When the pollution source is isolated, Genesee County works with the responsible party to eliminate the discharge.

During 2013-2014, IDEP field investigations all the local communities were complete. Efforts were focused on County owned outfalls:

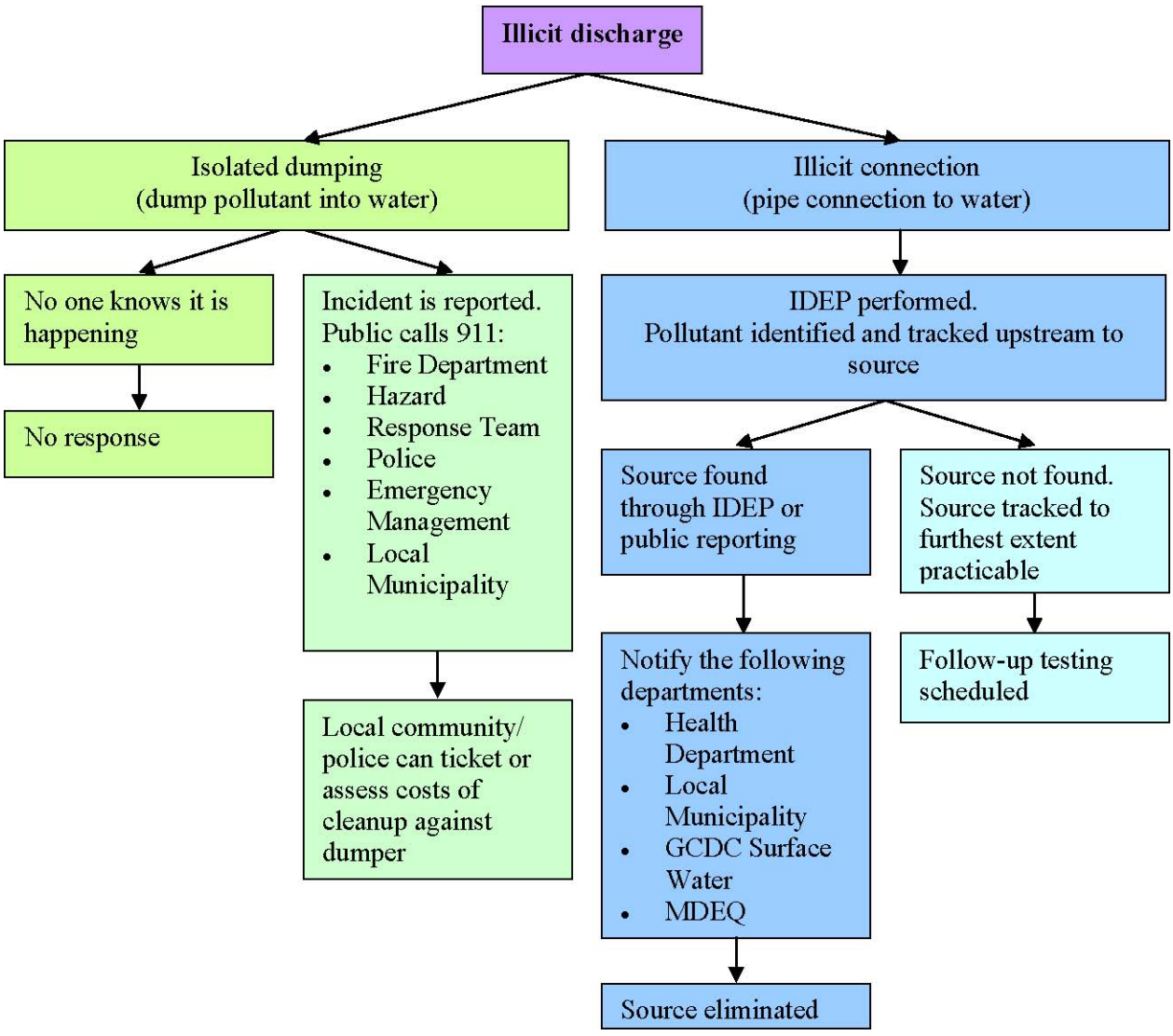
Genesee County Drain Commission
In 2013-14, 359 outfalls were investigated, eight new outfalls were found and 16 outfalls were not found or were not an outfalls. Three illicit discharges were found during this investigation period and 15 outfalls that had minor problems and an incident report was sent to County.

Table 0-1: Total Number Outfalls Investigated

October 2013- September 2014

Year outfalls were received	Number of Field Days	Number of Outfalls Investigated
GCDC-2014	16	268
GCDC-2013Spring	8	68
GCDC-2012Fall	4	23
Totals	28	359

Figure 0-1: Illicit Discharge Notification System Process

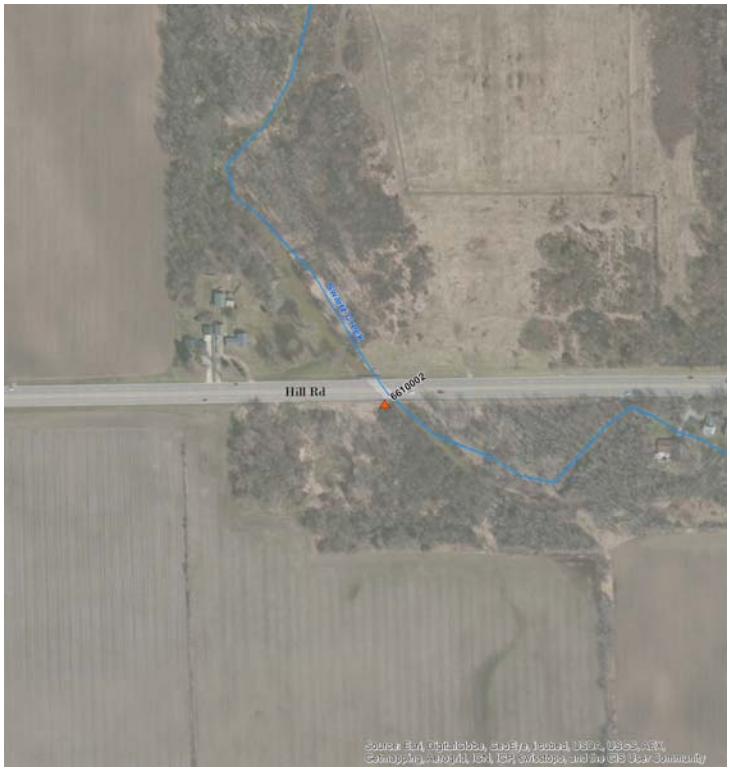


The following tables and figures show the outfalls investigated that required followup. The section concludes with a summary of the follow-up investigations undertaken in 2013-2014.

Genesee County Drain Commission Illicit Discharge

GCDC: Outfall # 6610002
Latitude: 42.943683 Longitude: -83.744151
On August 11, 2014 field crews observed dry weather flow at outfall 6610002, an 18 inch corrugated steel pipe emptying into Swartz Creek at the southwest quadrant of the Hill Rd and Swartz Creek road stream crossing. Analysis of the collected sample indicated E.coli levels greater than 10,000 colonies/100ml sample, surfactant levels of 0.18mg/L and ammonia levels of 0.15mg/L.

Status
Based on our observations and laboratory testing, it is recommended that Genesee County Drain Commission investigate upstream to find the source.



GCDC: Outfall # 9730751
Latitude: 43.151864 Longitude: -83.67853

On July 23, 2014 field crews sudsy flow was observed flowing from a 3 inch pipe into an open ditch in front of 10098 Lewis Rd directly upstream of outfall 9730751. Analysis of the collected sample indicated surfactant levels of 59mg/L, ammonia levels of 1.7mg/L and E. coli levels of 3,900 colonies/100ml sample.

Status
The County will need to dye test the Lewis Rd residence to confirm the connection and begin action to remove the connection. After the connection has been removed, the County must verify its removal.

10- NEW STORM WATER POINT SOURCE DISCHARGES (PSD)

In the 2008 annual report, PSD points were identified on the permit application map by municipality. These maps have been updated in the 2010 report to reflect the change in management of the MS4 areas in the second permit cycle. In the past, PSD's were tracked by watershed. In 2009, municipal ownership (city, township, etc.) of PSD's was assigned by GCDC. Municipalities that were designated by GCDC as containing MS4 outfalls include:

- City of Burton
- City of Clio
- City of Davison
- City of Fenton
- City of Flushing
- City of Grand Blanc
- City of Linden
- City of Mt. Morris
- Davison Township
- Fenton Township
- Flint Township
- Flushing Charter Township
- Genesee Charter Township
- Mt. Morris Charter Township
- Mundy Charter Township
- Vienna Township
- Genesee County
    - Agencies
    - Nested Jurisdictions

A complete copy of outfalls in a GIS Layer has been provided periodically to the MDEQ at their request. The Permit Application- Table 1 (submitted April 2014) was a list of all the outfalls identified (as of April 2014) for the above communities. There have been 248 additions to the Permit Application- Table 1 since April, therefore we have included a new complete list of outfalls mapped through Sept 2014. In future year's only changes or additions shall be shown.

Due the large number of outfalls for Genesee county and City of Burton, ongoing efforts to map outfalls is being done. Genesee County received an Asset management grant that will assist our ability to map the Road Commission storm water infrastucture. This will allow us to locate and map outfalls more efficiently.

Table 0-1: Genesee County Assigned Outfalls for 2013-2014

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
5601001	GCDC 0132	Lake	Incident Report	7/24/2014	support structure for beehive is crumbled/casting very loose
5602001	GCDC 0257	Dawn Drain 0257	Yes	7/24/2014	
5602002	GCDC 1403	Dawn Drain 0257	Revisit	7/24/2014	Need to revisit in winter, unable to find due to vegetation.
5602495	GCRC	Dawn Drain 0257	Yes	7/24/2014	
5602504	GC Schools	Dawn Drain 0257	Yes	7/24/2014	
5602505	GC Schools	Dawn Drain 0257	Yes	7/24/2014	
5610751	GC Schools	Lake Via GCRC& Wetland	Yes	7/24/2014	
5610752	GC Schools	Lake Via GCRC& Wetland	Yes	7/24/2014	
5610753	GC Schools	Lake Via GCRC& Wetland	Revisit	7/24/2014	Field crew was not able to find outfall-need to revisit
5616753	GCRC	Shiawassee River	Yes	8/19/2014	
5616754	GCRC	Shiawassee River	Yes	8/19/2014	
5620255	GCRC	Shiawassee River	Yes	8/19/2014	
5620256	GCRC	Shiawassee River	Yes	8/19/2014	
5620528	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5621001	GCRC	Shiawassee River	Yes	8/19/2014	
5621002	GCRC	Shiawassee River	Yes	8/19/2014	
5625515	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625516	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625517	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625518	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625519	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625520	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625521	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5625522	GC Schools	Municipal Storm Sewer	New outfall 2014	8/19/2014	Need to revist & sample
5625753	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5626751	GC Schools	Municipal Storm Sewer	Yes	6/17/2014	
5626752	GC Schools	Municipal Storm Sewer	Yes	6/17/2014	Outfall is underground blind tie into drain, not visible
5630252	GC Schools	Municipal Storm Sewer	Yes	8/19/2014	
5633005	GCRC	Silver Lake	Incident Report	8/19/2014	There is no defined ditch &

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
					causing erosion issues on resident property on Fenton Lake.
5633006	GCRC	Silver Lake	Not Found	8/19/2014	
5633504	GCRC	Silver Lake	Yes	8/19/2014	
5633505	GCRC	Silver Lake	Yes	8/19/2014	
5634267	GCRC	Egyptian Drain	Yes	6/17/2014	
5634271	GCRC	Egyptian Drain	Incident Report	6/17/2014	New pipe in drain at NE quadrant of Copper and drain-soil erosion issues due to construction
5634272	GCRC	Egyptian Drain	Yes	6/17/2014	
5634275	GCRC	Egyptian Drain	Yes	6/17/2014	
5634754	GCDC	unknown	Yes	6/17/2014	
5634754	GC School	Egyptian 0867	Yes	6/17/2014	
5634755	GCDC	Egyptian Drain	Yes	6/17/2014	
5634755	GC School	Egyptian 0867	Yes	6/17/2014	
5634756	GC School	Egyptian 0867	Not an outfall	6/17/2014	
5635252	GC Schools	Shiawassee River	Yes	6/17/2014	
5635254	GC Schools	Shiawassee River	Yes	6/17/2014	sampled, illicit discharge ruled out
5635751	GC Schools	Municipal Storm Sewer	Yes	6/17/2014	
6502300	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502301	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502302	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502304	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502305	GC Schools	Spillane & Branches Drain	Yes	8/18/2014	
6502308	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502309	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502310	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	
6502452	GC Schools	Swartz Creek, West Branch	Yes	8/18/2014	Keep our eye on this outfall it was good house keeping issue in the past
6503306	GC Schools	Swartz Creek, West Branch	Yes	8/19/2014	
6503307	GC Schools	Swartz Creek, West Branch	Yes	8/19/2014	
6601010	GC Schools	Baker Drain	Revisit	8/7/2014	Need to investigate upstream to determine where flow is coming from
6602001	GC Schools	Municipal Storm	Yes	8/7/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
		Sewer			
6602002	GC Schools	Hudge Drain	Yes	8/7/2014	
6602003	GC Schools	Hudge Drain	Yes	8/7/2014	
6602004	GC Schools	Hudge Drain	Yes	8/11/2014	
6602263	GC Schools		Yes	8/7/2014	
6602264	GC Schools	Call Drain	Incident Report	8/7/2014	Construction site concrete washoff
6603501	GCRC	Swartz Creek	Yes	8/11/2014	
6603751	GCDC 0286	George Drain	Yes	8/11/2014	
6604001	GCRC	Howland Drain 0382	Yes	8/11/2014	
6604002	GCRC	Howland Drain 0382	Yes	8/11/2014	
6604003	GCRC	Hewitt Drain 0018	Yes	8/11/2014	
6604004	GCRC	Hewitt Drain 0018	Yes	8/11/2014	
6605262	GC Schools	Ketzler Drain-School Branch	Yes	8/11/2014	
6608752	GCRC	Howland Drain 0382	Yes	8/19/2014	
6609251	GCRC	Hewitt Drain 0018	Yes	8/19/2014	
6610001	GCRC	Swartz Creek	Yes	8/11/2014	
6610002	GCRC	Swartz Creek	Report to County	8/11/2014	E.coli over 10,000. Could be animal related.
6616370	GCRC	McCullough Drain 0033	Yes	8/19/2014	
6616374	GCRC	McCullough Drain 0033	Yes	8/19/2014	
6617252	GCDC 0382	Howland Drain	Yes	8/19/2014	
6625752	GCDC 1097	Swartz Creek	Yes	7/23/2014	
6625753	GCRC	Swartz Creek	Yes	7/24/2014	
6701501	GC Schools	Meyers Drain 0408	Yes	8/11/2014	
6701502	GC Schools	Meyers Drain 0408	Yes	8/11/2014	
6701503	GC Schools	Meyers Drain 0408	Yes	8/11/2014	
6702001	GCRC	Meyers Drain 0408	Incident Report	8/11/2014	Culvert tilted skyward 20 degrees from level, water going under culvert pipe
6702002	GCRC	Meyers Drain 0408	Yes	8/11/2014	
6703253	GCRC	Meyers Drain 0408	Yes	8/11/2014	
6703254	GCRC	Meyers Drain 0408	Yes	8/11/2014	
6704251	GCRC	Meyers Drain 0408	Yes	7/22/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
6705251	GC Schools	Thread Creek, Rauch Br 1430	Yes	7/22/2014	
6705521	GC Schools	Gibson Drain 0423	Yes	8/11/2014	
6707751	GC Schools	Gibson, Grand Wailea 1561	Yes	7/23/2014	
6708502	GCRC	Gibson Drain 0423	Yes	7/22/2014	
6708503	GCRC	Gibson Drain 0423	Yes	7/22/2014	
6708510	GC Schools	Gibson, Reid Road Branch 0313	Yes	7/22/2014	
6708511	GC Schools	Gibson, Reid Road Branch 0313	Yes	7/22/2014	
6708751	GCRC	Gibson Drain 0423	Yes	7/22/2014	
6708752	GCRC	Gibson Drain 0423	Yes	7/22/2014	
6710503	GC Schools	Thread Creek	Yes	8/7/2014	
6710525	GC Schools	Thread Creek	Yes	8/7/2014	
6710526	GC Schools	Thread Creek	Yes	8/7/2014	
6711754	GCRC	Thread Creek	Yes	8/7/2014	
6711755	GCRC	Thread Creek	Yes	8/7/2014	
6712751	GCRC	Thread Creek	Not Found	8/7/2014	Not Found
6712752	GCDC 0372	Thread Creek	Yes	8/7/2014	
6712753	GCRC	Thread Creek	Yes	8/7/2014	
6712754	GCRC	Thread Creek	Yes	8/7/2014	
6713001	GC Schools	Bush Drain via Sub drainage	Yes	8/7/2014	
6715520	GC Schools	Layman Drain 0385	Incident Report	6/16/2014	CB filled with water & pipe is plugged. Also sampled upstream do to traffic
6715521	GC Schools	Layman Drain 0385	Yes	6/16/2014	First upstream structure plugged, standing water
6715522	GC Schools	Layman Drain 0385	Yes	6/16/2014	
6715523	GC Schools	Layman Drain 0385	Incident Report	6/16/2014	Soil erosion issue at outfall, incident report filled out
6715523	GC Schools	Layman Drain 0385	Incident Report	6/16/2014	erosion at pipe outfall, incident reprt filled out
6715524	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715525	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715526	GC Schools	Layman Drain	Not an outfall	6/16/2014	Per school as-built & field

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
		0385			investigated in 2013, these points are blind ties into county drain. Not an outfall
6715527	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715528	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715529	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715530	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715531	GC Schools	Layman Drain 0385	Incident Report	6/16/2014	Structure not accessible, cemented over
6715531	GC Schools	Layman Drain 0385	Not an outfall	6/16/2014	Per school as-built & field investigated in 2013, these points are blind ties into county drain. Not an outfall
6715532	GC Schools	Layman Drain 0385	Yes	6/16/2014	sampled first US MH, outfall behind security fence
6716767	GC Schools	Layman Drain 0385	Yes	6/16/2014	
6717001	GC Schools	Gibson, Reid Road Br 0313	Yes	7/23/2014	
6717254	GCRC	Gisbon Drain 0423	Yes	7/22/2014	
6717255	GCRC	Gisbon Drain 0423	Yes	7/22/2014	
6729253	GCRC	Seaver Drain	Yes	7/23/2014	
6729254	GCRC	Seaver Drain	Yes	7/23/2014	
6729255	GCRC	Seaver Drain Tributary	Yes	7/23/2014	
6729262	GCRC	Seaver Drain Tributary	Yes	7/23/2014	
6729263	GCRC	Seaver Drain	Yes	7/23/2014	
6807251	GCRC	Lasalle Drain 0224	Yes	8/11/2014	
6807252	GCRC	Lasalle Drain 0224	Yes	8/11/2014	
6808003	GCRC	Lasalle Drain 0224	Yes	8/11/2014	
6808004	GCRC	Lasalle Drain 0224	Yes	8/11/2014	
7524501	GCRC	Cranery Drain 0802	Yes	8/19/2014	
7524502	GCRC	Cranery Drain	Yes	8/19/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
		0802			
7535251	GCRC	Smith- Clayton Drain	Yes	8/19/2014	Non Urbanized Area
7535252	GCRC	Smith- Clayton Drain	Yes	8/19/2014	Non Urbanized Area
7625001	GC Schools	Carman Creek-Gibson	Yes	8/6/2014	
7625002	GC Schools	Carman Creek-Gibson	Yes	8/6/2014	
7625770	GC Schools	Carman Drain	Yes	8/6/2014	
7629251	GC Schools	Municipal Storm Sewer	Revisit	8/19/2014	Need to go back & investigate to see if there is flow
7630501	GC Schools	Ditch to overland flow	Yes	8/19/2014	
7633509	GCRC	Howland Drain	Yes	8/11/2014	
7633510	GCRC	Howland Drain	Yes	8/11/2014	
7636252	GC Schools	Parkwood	Yes	8/7/2014	
7730001	GC Schools	Gibson - watercourse	Yes	8/7/2014	
7730002	GC Schools	Gibson - watercourse	Yes	8/7/2014	
7731003	C of Burton	Gibson Drain 0145	Yes	8/6/2014	
7731013	GC Schools	Gibson Drain 0423	Yes	8/7/2014	
7736751	GCRC	Gilkey Creek 0017	Incident Report	8/11/2014	Culvert pipe has seperated from culvert under road
7736753	GCRC	Gilkey Creek 0017	Yes	8/11/2014	
8501101	GCRC	Armstrong Creek	Yes	7/23/2014	Non Urbanized Area
8501102	GCRC	Armstrong Creek	Yes	7/23/2014	Non Urbanized Area
8501201	GCRC	Central Drain outlet	Yes	7/23/2014	Non Urbanized Area
8501203	GCRC	Central Drain outlet	Yes	7/23/2014	Non Urbanized Area
8501516	GCRC	Armstrong Creek	Yes	8/4/2014	
8501753	GCRC	Central Drain outlet	Incident Report	8/4/2014	Road Comm. Cleaned drain inlet & left debris behind causing a blockage problem in Central Drain
8503752	GCRC	Flint River	Report to County	7/24/2014	High levels of ammonia, the landuse is pretty rural.
8503753	GCRC	Flint River	Yes	7/24/2014	
8512239	GCRC	Armstrong Creek	Yes	8/4/2014	
8512240	GCRC	Armstrong Creek	Yes	8/4/2014	
8513497	GCRC	Cattail Swamp Drain 0401	Yes	8/6/2014	
8513499	GCRC	Cattail Swamp Drain 0401	Yes	8/6/2014	
8513757	GC Schools	Root Drain 0185	Not an outfall	8/6/2014	Don't believe this is an outfall, believe the system goes

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
					underground storage
8513993	GC Schools	Root Drain 0185	Yes	8/6/2014	
8513995	GC Schools	Root Drain 0185	Yes	8/6/2014	
8513999	GCRC	Root Drain 0185	Yes	8/6/2014	
8514003	GCRC	Tributary of Flint River	Yes	8/6/2014	
8514004	GCRC	Tributary of Flint River	Incident Report	8/6/2014	Pipe is broken & road ditch has been wasted out causing sever erosion & bank under cutting
8515252	GCRC	Tributary of Flint River	Yes	8/6/2014	
8515253	GCRC	Tributary of Flint River	Yes	8/6/2014	
8601001	GCRC	Mason Drain 0159	Yes	7/21/2014	
8601003	GCRC	Mason Drain 0159	Yes	7/21/2014	
8601005	GCDC 1118	Mason Drain 0159	Yes	7/21/2014	
8601009	GCRC	Mason Drain 0159	Yes	7/23/2014	
8601011	GCRC	Mason Drain 0159	Yes	7/23/2014	
8601251	GC Schools	Mason, Roberts Branch of	Yes	7/22/2014	
8601501	GCRC	Mason Drain 0159	Yes	7/22/2014	
8601503	GCRC	Mason Drain 0159	Yes	7/22/2014	
8601505	GCRC	Mason Drain 0159	Yes	7/22/2014	
8601507	GCRC	Mason Drain 0159	Yes	7/22/2014	
8601772	GC Schools	Mason, Roberts Branch of	Yes	7/22/2014	
8602251	GCRC	Mason Drain 0159	Yes	7/21/2014	
8602253	GCRC	Mason Drain 0159	Yes	7/21/2014	
8602751	GC Schools	Mason Drain via 1118	Not an outfall	7/21/2014	Believe it blind ties into the system.
8602752	GC Schools	Mason Drain via 1118	Yes	7/21/2014	
8602753	GC Schools	Mason Drain via 1118	Yes	7/21/2014	
8602754	GC Schools	Mason Drain via 1118	Yes	7/21/2014	
8602755	GC Schools	Craven & Benson 0013	Yes	7/22/2014	
8603745	GCRC	Lake Drain 0057	Yes	7/23/2014	Non Urbanized Area
8606501	GCRC	Central Drain 0109	Yes	8/4/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
8606503	GCRC	Central Drain 0109	Yes	8/4/2014	
8607001	GCRC	Central Drain 0109	Yes	8/4/2014	
8607002	GCRC	Central Drain 0109	Not Found	8/4/2014	Not Found
8607497	GCRC	Stadler Drain 0113	Yes	8/4/2014	
8607499	GCRC	Stadler Drain 0113	Yes	8/4/2014	
8608999	GCRC	Stadler Drain 0113	Yes	8/4/2014	
8610001	GCRC	Lake Drain 0057	Yes	7/23/2014	Non Urbanized Area
8610003	GCRC	Lake Drain 0057	Yes	7/23/2014	Non Urbanized Area
8612271	GC Schools	Craven & Benson, Branch #1	Yes	7/23/2014	
8612272	GC Schools	Craven & Benson, Branch #1	Yes	7/23/2014	
8612273	GC Schools	Craven & Benson, Branch #1	Yes	7/23/2014	
8616005	GCRC	Stadler Drain 0113	Yes	8/4/2014	
8617251	GCRC	Stadler Drain 0113	Yes	8/4/2014	
8617253	GCRC	Stadler Drain 0113	Yes	8/4/2014	
8617501	GCRC	Cattail Swamp Drain 0401	Yes	8/4/2014	
8617503	GCDC 1670	Cattail Swamp Drain 0401	Yes	8/4/2014	
8617513	GCRC	Cattail Swamp Drain 0401	Yes	8/6/2014	Non Urbanized Area
8617514	GCRC	Cattail Swamp Drain 0401	Yes	8/6/2014	Non Urbanized Area
8618001	GCDC 0089	Cattail Swamp Drain 0089	Yes	8/4/2014	
8618737	GCRC	Root Drain 0185	Yes	8/6/2014	Non Urbanized Area
8618747	GCRC	Root Drain 0185	Yes	8/6/2014	
8618749	GCRC	Root Drain 0185	Incident Report	8/6/2014	Crushed outfall
8618751	GCRC	Cattail Swamp Drain 0401	Yes	8/6/2014	Non Urbanized Area
8618753	GCRC	Cattail Swamp Drain 0401	Yes	8/6/2014	Non Urbanized Area
8619229	GCRC	Root Drain 0185	Yes	8/6/2014	
8619231	GCRC	Root Drain 0185	Yes	8/6/2014	
8620241	GCDC 1528	Cattail Swamp Drain 0401	Yes	8/4/2014	
8620243	GCRC	Cattail Swamp Drain 0401	Yes	8/4/2014	
8706251	GC Schools	Mason Drain 0159	Yes	7/22/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
8706252	GC Schools	Mason Drain 0159	Revisit	7/22/2014	Need to reinvestigate unable to open CB cover
8706508	GC Schools	Mason Drain 0159	Yes	7/22/2014	
8706509	GC Schools	Mason Drain 0159	Revisit	7/22/2014	Need to revisit-outfall location unclear
8706510	GC Schools	Mason Drain 0159	Revisit	7/22/2014	Need to revisit-outfall location unclear
8706751	GC Schools	Mason Drain 0159	Yes	7/22/2014	
8706752	GC Schools	Mason Drain 0159	Yes	7/22/2014	
8707004	GC Schools	Municipal Storm Sewer	Yes	7/23/2014	
8707005	GC Schools	Municipal Storm Sewer	Yes	7/22/2014	
8707006	GC Schools	Municipal Storm Sewer	Yes	7/22/2014	
9536501	GCRC	Armstrong Creek	Yes	7/23/2014	Non Urbanized Area
9536747	GCRC	Central Drain 0109	Yes	7/23/2014	Non Urbanized Area
9536749	GCRC	Central Drain 0109	Yes	7/23/2014	Non Urbanized Area
9610497	GCRC	Alpine & Blackmore 0098	Yes	7/14/2014	
9610751	GCRC	Collins 0025	Yes	7/14/2014	
9610753	GCRC	Collins 0025	Yes	7/14/2014	
9611977	GCRC	Alpine & Blackmore 0098	Yes	7/14/2014	
9611979	GCRC	Alpine & Blackmore 0098	Yes	7/14/2014	
9611993	GCRC	Alpine & Blackmore 0098	Not Found	7/14/2014	Not Found
9611995	GCRC	Alpine & Blackmore 0098	Yes	7/14/2014	
9611997	GCRC	Alpine & Blackmore 0098	Yes	7/14/2014	
9611999	GCRC	Alpine & Blackmore 0098	Yes	7/14/2014	
9613501	GCRC	Pine Run 0165	Yes	6/30/2014	
9613502	GCRC	Pine Run 0165	Yes	6/30/2014	
9614001	GC Schools	CollinsDr.	Not an outfall	6/30/2014	Believe this system is a city system and not draining the school. Could not sound any structures on school property to this outfall. Need to revisit the school to remap school system
9614002	GC Schools	CollinsDr.	New outfall 2014	6/30/2014	
9614003	GC Schools	CollinsDr.	New outfall 2014	6/30/2014	
9614004	GC Schools	CollinsDr.	New outfall 2014	6/30/2014	
9614005	GC Schools	CollinsDr.	New outfall 2014	6/30/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
9614533	GC Schools	Pine Run watercourse	Yes	6/23/2014	
9614534	GC Schools	Tributary Pine Run	Yes	6/23/2014	
9614535	GC Schools	Pine Run	Incident Report	6/23/2014	Suspect dumping of floor wax or cleaning compound on ground near outfall.
9614536	GC Schools	Pine Run watercourse	Incident Report	6/23/2014	Incident report roots in manhole causing standing water in system
9614751	GCDC 1140	Pine Run & Tyron	Yes	6/23/2014	
9614761	GCRC	Pine Run 0165	Yes	6/30/2014	
9614765	GC Schools	Pine Run 0165	Yes	6/23/2014	
9614766	GCRC	Pine Run 0165	Yes	6/30/2014	
9615522	GC Schools	Tributary Pine Run	Yes	6/16/2014	
9616997	GCRC	Pine Run	Yes	7/14/2014	
9616999	GCRC	Pine Run	Yes	7/14/2014	
9617257	GCRC	Pine Run	Yes	7/14/2014	
9617751	GCRC	Parker Creek	Yes	7/14/2014	
9617762	GCRC	Parker Creek	Yes	7/14/2014	
9620253	GCRC	Parker Creek	Yes	7/14/2014	
9620255	GCRC	Parker Creek	Yes	7/14/2014	
9621508	GC Schools	Parker Creek	Revisit	7/14/2014	Need to visit-outfall location was unclear in field
9621509	GC Schools	Parker Creek	Revisit	7/14/2014	Need to visit-outfall location was unclear in field
9621752	GCRC	Parker Creek	Yes	7/14/2014	
9621753	GCRC	Parker Creek	Yes	7/14/2014	
9626001	GCRC	Benjamin Run	Yes	7/15/2014	
9626005	GCRC	Benjamin Run	Yes	7/15/2014	
9626007	GCRC	Benjamin Run	Yes	7/15/2014	
9627251	GC Schools	Benjamin Run through GCRC	Yes	7/15/2014	Moved outfall location
9627252	GC Schools	Benjamin Run through GCRC	Yes	7/15/2014	Moved outfall location
9627253	GC Schools	Benjamin Run through GCRC	New outfall 2014	7/15/2014	New outfall 2014
9627501	GCRC	Parker Creek	Yes	7/21/2014	
9627503	GCRC	Parker Creek	Yes	7/21/2014	
9627511	GCRC	Parker Creek	Yes	7/21/2014	
9627512	GCRC	Parker Creek	New outfall 2014	7/21/2014	New outfall 2014
9627513	GCRC	Parker Creek	Yes	7/21/2014	
9628251	GCRC	Parker Creek	Yes	7/14/2014	
9628252	GCRC	Parker Creek	Yes	7/14/2014	
9628751	GCRC	Parker Creek	Yes	7/21/2014	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
9628753	GCRC	Parker Creek	Yes	7/21/2014	
9633251	GCRC	Brent Run	Yes	7/21/2014	
9633253	GCRC	Brent Run	Yes	7/21/2014	
9634101	GCRC	Parker Creek	Yes	7/21/2014	
9634103	GCRC	Parker Creek	Yes	7/21/2014	
9634501	GCRC	Brent Run	Yes	7/21/2014	
9634502	GCRC	Brent Run	Yes	7/21/2014	
9635251	GCRC	Benjamin Run	Yes	7/15/2014	
9635252	GCRC	Mason Drain	New outfall 2014	7/15/2014	New outfall 2014
9730751	GCDC 0501	Lewis Drain 0501	Incident Report	7/23/2014	Illicit Discharge found incident report created
8822251	GCDC 0542	Clark Drain #0184	Yes	12/17/2013	
6502016	GC-School	Swartz Creek	Yes	12/11/2013	
7501001	GCDC 1076	Messmore & Cronk 0464	Yes	12/18/2013	
7633511	GCDC 0498	Hewitt Outlet	Yes	12/11/2013	
8536004	GCDC 1431	Flint River	Yes	12/18/2013	
8536262	GCDC 0426	French Drain 0219 to Flint River	Yes	12/18/2013	
8536263	GCDC 0654	French Drain 0219 to Flint River	Yes	12/18/2013	
8536503	GCRC	Messmore & Cronk 0464	Yes	12/18/2013	
8630251	GCRC	Root Drain 0185	Yes	10/1/2013	
8630252	GCRC	Root Drain 0185	Yes	10/1/2013	
8630751	GCRC	Root Drain 0185	Yes	10/1/2013	
8630753	GCRC	Root Drain 0185	Yes	10/1/2013	
8630758	GCDC 1551	Root Drain 0185	Yes	10/1/2013	
8630759	GCDC 0689	Root Drain 0185	Yes	10/1/2013	
8631251	GC Schools	GCRC	Yes	10/1/2013	
8632018	GCDC 0928	Hartshorn, Pierson Br 0928	Yes	10/1/2013	
8632501	GCDC 0954	Hartshorn Drain 0458	Yes	10/1/2013	
8632756	GCDC 0954	Hartshorn Drain 0458	Yes	10/1/2013	
8632757	GCDC 0954	Hartshorn Drain 0458	Yes	10/1/2013	
8632758	GCDC 0954	Hartshorn Drain 0458	Yes	10/1/2013	
8726258	GCDC 0031	Crampton Drain 0012	Yes	10/29/2013	
8821501	GCDC 0016	Fuller Drain 0010	Yes	12/10/2013	
8821502	GCDC 0035	Parker & Frost Drain 0035	Yes	12/10/2013	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
6507755	GCRC	Terry Drain 0175	Yes	10/10/2013	
6507756	GCRC	Terry Drain 0175	Yes	10/10/2013	
6507757	GCDC 0657	Terry Drain 0175	Yes	10/10/2013	
6508508	GCRC	Terry Drain 0175	Yes	10/10/2013	
6508511	GCRC	Terry Drain 0175	Yes	10/10/2013	
6508512	GCRC	Terry Drain 0175	Yes	10/10/2013	
6508513	GCRC	Terry Drain 0175	Yes	10/10/2013	
6511752	GCDC 0200	Alger Creek 0141	Yes	10/10/2013	
6516502	GCRC	Terry Drain 0175	Yes	10/10/2013	
6516753	GCRC	Terry Drain 0175	Yes	10/10/2013	
6517001	GCRC	Terry Drain 0175	Yes	10/10/2013	
6517757	GCRC	Terry Drain 0175	Yes	10/10/2013	
6521270	GCDC 0175	Terry Drain 0175	Yes	10/10/2013	
6521272	GCRC	Terry Drain 0175	Yes	10/10/2013	
6729005	GCDC 1584	Eames 0864	Yes	12/16/2013	
6729007	GCDC 1638	Eames 0864	Yes	12/16/2013	
6729014	GCDC 1584	Seaver 0043	Yes	12/16/2013	
6729509	GCRC	Eames 0864	Yes	12/16/2013	
6730302	GCDC 1612	Seaver 0043	Yes	12/16/2013	
6732001	GCRC	Eames 0864	Yes	12/16/2013	
6732002	GCRC	Eames 0864	Yes	12/16/2013	
7502003	GCRC	Cole Creek 0764	Yes	10/1/2013	
7502004	GCRC	Cole Creek 0764	Yes	10/1/2013	
7511001	GCRC	Cole Creek 0764	Yes	10/10/2013	
7511003	GCRC	Cole Creek 0764	Yes	10/10/2013	
7511753	GCRC	Cole Creek 0764	Yes	10/10/2013	
7511755	GCRC	Cole Creek 0764	Yes	10/10/2013	
7512501	GCRC	Cole Creek 0764	Yes	10/10/2013	
7604754	GCRC	Flint River	Yes	10/1/2013	
7604756	GCRC	Flint River	Yes	10/1/2013	
7609751	GCRC	Flint River Via MDOT/ GCDC	Yes	10/2/2013	
7610004	GCDC 0166	Flint River	Yes	10/2/2013	
7728755	GCDC 0337	Thread Creek	Yes	12/11/2013	
7733254	GCDC 0375	Thread Creek	Yes	12/11/2013	
7733258	GCDC 0375	Thread Creek	Yes	12/11/2013	
7733752	GCDC 0434	Thread Creek	Yes	12/11/2013	
7809304	Gc School	Harvey Drain 0631	Yes	12/17/2013	
7809305	Gc School	Harvey Drain 0631	Yes	12/17/2013	
7810751	Gc School	Hock & Walterhouse 0091	Yes	12/17/2013	

Outfall No.	Owner	Receiving Water Body	Investigation Status	Date Investigated	Notes
7814001	GCDC 0064	Black Cr, Cummings br of 0064	Yes	12/17/2013	
8534759	GCRC	Cole Creek 0764	Yes	10/1/2013	
8534761	GCRC	Cole Creek 0764	Yes	10/1/2013	
8535501	GCRC	Cole Creek 0764	Yes	10/1/2013	
8535503	GCRC	Cole Creek 0764	Yes	10/1/2013	
8535505	GCRC	Cole Creek 0764	Yes	10/2/2013	
8535507	GCRC	Cole Creek 0764	Yes	10/2/2013	
8633751	GCDC 0927	Hartshorn & Ext 0458	Yes	10/1/2013	
8634501	GCDC 0334	Hartshorn & Ext 0458	Yes	10/2/2013	
8634502	GCDC 0435	Hartshorn & Ext 0458	Yes	10/2/2013	
8722001	GCRC	Carpenter Dr 0050	Yes	10/29/2013	
8726501	GCDC 0171	Crampton Drain 0012	Yes	10/29/2013	
8726502	GCRC	Crampton Drain 0012	Yes	10/29/2013	
8726503	GCDC WWS	Crampton Drain 0012	Yes	10/29/2013	
8727756	GCDC 0311	Crampton Drain 0012	Yes	10/29/2013	
8727759	GCDC 0311	Crampton Drain 0012	Yes	10/29/2013	
8727760	GCRC	Crampton Drain 0012	Yes	10/29/2013	
8727761	GCRC	Crampton Drain 0012	Yes	10/29/2013	
8727762	GCDC 0256	Crampton outlet	Yes	10/29/2013	
8816751	GCRC	Zufelt Drain 0100	Yes	12/17/2013	
8828502	GCRC	Cullen and Powers 0014	Yes	12/10/2013	
8830751	GCRC	Cullen & Powers #0014	Yes	10/29/2013	
8830752	GCRC	Cullen & Powers #0014	Yes	10/29/2013	
8833008	GCDC 0127	Austin Drain 0160	Yes	12/10/2013	
8833016	GCDC 0127	Austin Drain 0160	Yes	12/10/2013	
8833018	GCDC 0127	Austin Drain 0160	Yes	12/10/2013	
8833019	GCDC 0160	Austin Drain 0160	Yes	12/10/2013	
8833020	GCDC 0127	Austin Drain 0160	Yes	12/10/2013	
8833021	GCDC 0127	Austin Drain 0160	Yes	12/10/2013	
8834005	GCDC 0813	Cullen and powers #0014	Yes	12/10/2013	
8835501	GCDC 0014	Cullen and Powers 0014	Yes	12/10/2013	

Figure 0-1: Genesee County Incident Reports for 2013-2014

1. **Tracking Number:** 08-04-2014-01
   Outfall Number: 8501753
   Location: West side of Elms Road and the Central Drain RSC approximately 600 feet north of Mt. Morris Rd.
   Lat/Long Coordinates: 43.119918, -83.81379
   Incident: Woody debris from ditch clearing operations piled up in main flow channel of drain. Flow redirected into bank causing bank erosion.
   Action Required: Remove or reposition woody debris in drain to restore normal flow pattern.

2. **Tracking Number:** 08-06-2014-01
   Outfall Number: 8618749
   Location: Northeast quadrant of Coldwater Road and Root Drain RSC approximately 100 feet east of Elms Road centerline.
   Lat/Long Coordinates: 43.089293, -83.813059
   Incident: 15" corrugated steel outfall pipe is crushed at outlet into drain.
   Action Required: Replace pipe.

3. **Tracking Number:** 08-06-2014-02
   Outfall Number: 8514004
   Location: Southeast quadrant of McKinley Road and Flint River tributary**,** 700 feet south of Stanley Road centerline.
   Lat/Long Coordinates: 43.10129, -83.85305
   Incident: Severe gully erosion along roadside that has advanced to edge of road shoulder. Broken sections of pipe laying in gully and heavy sedimentation into tributary stream.
   Action Required: Replace outfall structure and apply soil erosion prevention practices.

4. **Tracking Number:** 08-07-2014-01
   Outfall Number: 6602264
   Location: Catch basin at north end of parking area in front of Genesee Intermediate School District Special Education building. Also, downstream catch basins to outfall.
   Lat/Long Coordinates: 42.957058, -83.721544
   Incident: Concrete washout from nearby construction project washed into storm sewer.
   Action Required: Construction Stormwater Operator visit site and educate on construction good housekeeping practices.

5. **Tracking Number:** 08-11-2014-01
   Outfall Number: 7736751
   Location: North side of Maple Road and Gilkey Creek RSC, just west of 6341 Maple Rd.
   Lat/Long Coordinates: 43.961429, -83.58086
   Incident: Section of culvert pipe on north side of RSC has separated from culvert pipe under road.
   Action Required: Replace north end section of culvert pipe.

6. **Tracking Number:** 08-11-2014-02
   Outfall Number: 6702001
   Location: On east side of South Genesee Road and the Meyer Drain RSC just north of 5275 South Genesee Road.
   Lat/Long Coordinates: 42.953658, -83.613349
   Incident: Under road culvert on east side of RSC is tilted skyward approximately 20 degrees from level. Stream flow is undercutting culvert pipe.
   Action Required: Repair culvert section.

7. **Tracking Number:** 08-19-2014-01
   Outfall Number: 5633005
   Location: On south side of Owen Road in yard of 4509 Owen at discharge of culvert under Owen Road 50 feet west of seawall.
   Lat/Long Coordinates: 42.789147, -83.764894
   Incident: Culvert under Owen road that drains the ditch along the north side of Owen road empties into an eroded hole in the yard of 4509 Owen Rd. Current pipe configuration is causing erosion and deposition of debris.
   Action Required: Reconfigure culvert pipe to drain directly into nearby canal.

8. **Tracking Number:** 06-16-14-01
   Outfall Number: 6715520
   Location: Grand Blanc High School property.
   Lat/Long Coordinates: 42.920797N, -83.62206W
   Incident: Outfall pipe is dry, but first upstream catch basin on school property is filled with water. Pipe between structures is plugged.
   Action Required: Pipe requires cleaning to regain function.

9. **Tracking Number:** 06-16-14-02
   Outfall Number: 6715523
   Location: Grand Blanc School property off Jewett Rd near DPW yard.
   Lat/Long Coordinates: 42.918589N, -83.630948W
   Incident: Outfall pipe is broken off at embankment causing severe erosion at outfall.
   Action Required: Pipe needs repair and bank requires stabilization.

10. **Tracking Number:** 06-17-14-01
    Outfall Number: 5634271
    Location: Copper Rd. and Egyptian Drain Road Stream Crossing (RSC).
    Lat/Long Coordinates: 42.792856N, -83.732929W
    Photo Number: No photo available.
    Incident: Silt fence failure at construction site on northeast quadrant of RSC. New un-documented 15 inch plastic discharge pipe approximately 15 feet north of Copper Rd. in northeast quadrant of Copper Rd / Egyptian Drain RSC.
    Action Required: Repair silt fence. Create Outfall number for new pipe.

11. **Tracking Number:** 06-23-14-01
Outfall Number: 9614535
Location: City of Clio, east side of Carter Middle School.
Lat/Long Coordinates: 43.179438N, -83.729822W
Photo Number: 3&4
Incident: Suspect dumping of floor wax or cleaner by janitorial staff at school. Compound found on ground outside of rear building entrance storm drain and uphill of drainage swale.

near

Action Required: Reported Incident to GCDC on 6/23/14 via phone message and e-mail. Educate janitorial staff on proper disposal of cleaning waste materials.

12. **Tracking Number:** 06-30-14-01
Outfall Number: 9614536
Location: Clio City Park, east side of park roadway approximately 350 feet from entrance, 100 feet east of road.
Lat/Long Coordinates: 43.180322N, -83.733314W
Photo Number: 5
Incident: Manhole casting offset from structure. Root blockage in pipes.
Action Required: Re-adjust and center casting over manhole. Remove root blockage from pipes.

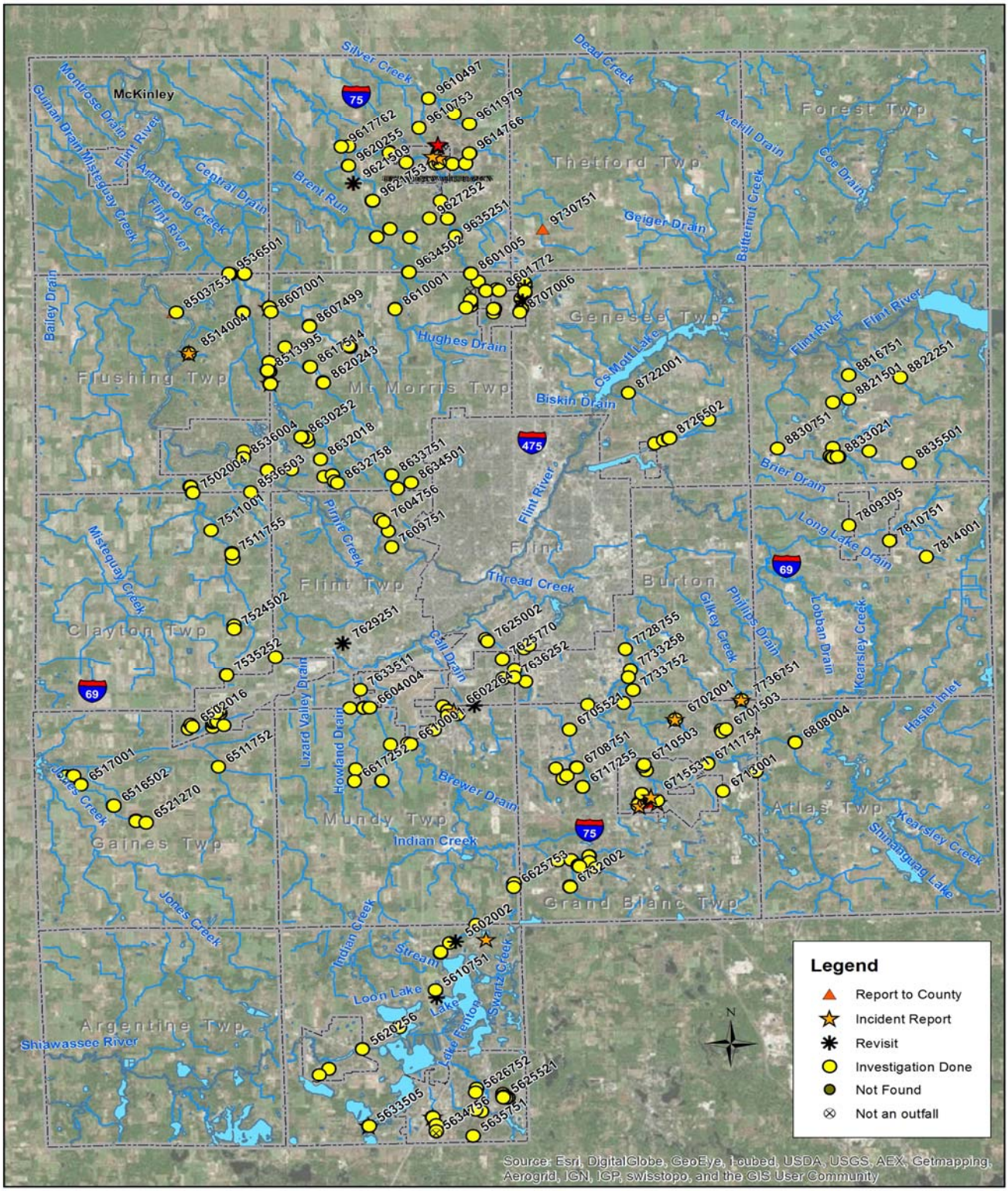
2014-2015 followup from Tetra tech and privately reported suspected illicit discharges.

Sample Location	BACKGROUND & FOLLOW-UP INSPECTION	RESULTS & COMMENTS
Flint Community School Bus Garage. City of Flint	During 2013 Audit of Genesee County IDEP Program by MDEQ, it was discovered that floor drain from the facility connected to storm sewer. On 1-7-14: GCDC-SWM conducted a site inspection and confirmed that illicit connection was eliminated.	FILE CLOSED
Beacon & Bridge Truck Stop 4181 W. Mt. Morris Rd Mt. Morris Twp Sec-9	On 3-28-14, Stephanie kammer informed that a truck discharges waste water into Beacon & Bridge facility and flows into MDOT R/W. 3-28-14, GCDC-SWM conducted a site inspection and walked in and around the facility and did not notice any sign of waste water discharge. Also no foul color and odor was identified.	FILE CLOSED
2504 N. Seymour Rd Clayton Twp Sec-3	On 4-21-14, Homeowner from 2504 Seymour Rd complained that blackish water with sewage smell flows into his rear yard ditch from the house south of him. GCDC-SWM conducted a follow-up site inspection and did not notice any water into the ditch and did not notice sewage smell. Homeowner of 2504 Seymour Rd mentioned that house south of him has been sold recently. He thought that new owner might have fixed septic field problem.	FILE CLOSED.

Sample Location	BACKGROUND & FOLLOW-UP INSPECTION	RESULTS & COMMENTS
Clio School Bus Garage 2242 W. Vienna Rd	During 2013 Audit of Genesee County IDEP program by MDEQ identified potential illicit connection from Bus Garage to county drain. GCDC-SWM conducted follow-up site inspections in two occasions to confirm illicit connection. On 6-26-14, GCDC-SWM confirmed that there is no illicit connection.	FILE CLOSED
1207 Sorrento Lane Mundy Twp Sec-1	On 9-26-14, GCDC-SWM was informed about pumping water from the basement of a fire damaged house. No discoloration of water. Smell of mildew was noted. Lack of SESC measures applied. Informed all parties that similar pumping shall be hauled by a tanker to an approved dump site.	FILE CLOSED
5199 Highwood Dr Mt. Morris Twp Sec-22	On 9-23-13, GCDC conducted a site inspection and confirmed that Modern Concrete discharged cleanout water from a concrete truck mixer to a roadside curb basin. On 10-2-13, GCDC wrote to Modern Concrete not to discharge concrete truck cleanout into county drain in future.	FILE CLOSED
Spray My Lawn 5289 N. Genesee Rd Genesee Twp Sec-22	On 10-15-14, MDEQ received complaint from an anonymous caller that the lawn care company disposed residual fertilizer, pesticides, and herbicides in the yard and then washed out into county drain and storm sewer. On 10-27-14, GCDC-SWM conducted a site inspection in and around the facility and found no evidence of dumping fertilizer, pesticide, and herbicide in and around the building. MDA also inspected the site on 10-26-14 and found no sign of improper disposal.	FILE CLOSED
R.J. Torching Site 5273 Dort Highway Genesee Twp Sec-20	Stephanie Kammer from MDEQ asked to conducted a inspection to determine whether floor drain from R. J. Torching is a potential illicit connection. On 5-9-14, GCDC-SWM conducted a follow-up site inspection and confirmed that floor drain is connected to sanitary sewer.	FILE CLOSED
6004 Pierson Rd Mt. Morris Twp Sec-30	On 4-29-14, anonymous complained that wastes originated wood finish dumped into yard and polluting water and stream. GCDC-SWM conducted a follow-up site inspection and found no sign of waste dumped into yard. Also no sign of color and odor was noticed.	FILE CLOSED
12394 N. Clio Road Vienna Road Sec-14	On 6-17-14, GCDC-SWM discovered that floor drain is connected to county drain. As a result, his basement was flooded due to heavy rain. On 7-15-14, GCDC-SWM conducted a follow-up site inspection and confirmed that floor drain is plugged. Rule out illicit connection.	FILE CLOSED.

Sample Location	BACKGROUND & FOLLOW-UP INSPECTION	RESULTS & COMMENTS
3171 Augusta Road Flint Twp Sec-22	On 5-12-14, GCDC-SWM inspector observed soapy discharges from a sump line. On 6-23-14, GCDC-SWM mailed a certified letter to homeowner to arrange a dye test to confirm illicit. However, homeowner has contacted yet. GCDC-SWM will be trying to contact homeowner.	ON-GOING
10098 N. Lewis Rd Thetford Twp Sec-30	On 7-23-14, GCDC-SWM contractor conducted dry weather flow inspection and observes 3" pipe discharges to roadside ditch. Sampling results showed elevated level of surfactant and E.coli. GCDC-SWM wrote a letter to arrange a dye test to confirm illicit connection. However, we were not able to contact as of today. GCDC-SWM will be trying to contact homeowner.	ON-GOING
5156 Richfield Road Richfield Twp Sec-35	As part of flooding complaint, GCDC-SWM maintenance crew confirmed that floor drain is connected to storm sewer. GCDC-SWM emailed and called over phone to arrange a site visit to confirm floor drain disconnected from storm sewer. However, property owner has not yet.	ON-GOING

Figure 0-2: Genesee County Assigned Outfalls for 2013-2014



Complete list of outfalls through Sept 2014

C of Burton

OutfallNum	Latitude	Longitude	StructureT
7701009	43.040806	-83.593408	Outfall
7701251	43.041659	-83.584345	Outfall
7701259	43.043706	-83.579329	Outfall
7701262	43.045239	-83.578291	Outfall
7701263	43.045759	-83.578122	Outfall
7701264	43.04691	-83.577364	Outfall
7701265	43.040956	-83.576522	Point of Discharge
7701501	43.040788	-83.593343	Outfall
7701524	43.033827	-83.592018	Outfall
7701525	43.033805	-83.591037	Outfall
7701531	43.040586	-83.595624	Outfall
7701764	43.037421	-83.582511	Outfall
7701775	43.035435	-83.576322	Point of Discharge
7701776	43.035444	-83.576322	Point of Discharge
7701777	43.03817	-83.576441	Outfall
7701778	43.038141	-83.576437	Outfall
7701779	43.040545	-83.583993	Outfall
7702008	43.042909	-83.615581	Outfall
7702751	43.036243	-83.603314	Outfall
7702753	43.03672	-83.601926	Outfall
7702764	43.040394	-83.596601	Outfall
7702768	43.037219	-83.600692	Outfall
7703501	43.033669	-83.63532	Point of Discharge
7703502	43.033669	-83.635304	Point of Discharge
7709251	43.032956	-83.635302	Point of Discharge
7710774	43.022174	-83.615337	Outfall
7710778	43.022063	-83.615334	Outfall
7710781	43.02075	-83.61735	Point of Discharge
7710782	43.020809	-83.617501	Point of Discharge
7710783	43.020863	-83.617295	Point of Discharge
7710784	43.021647	-83.620574	Point of Discharge
7710785	43.021542	-83.620644	Point of Discharge
7710786	43.021561	-83.620689	Point of Discharge
7710787	43.021716	-83.62078	Point of Discharge
7711514	43.022196	-83.615062	Outfall
7711756	43.020379	-83.599931	Outfall
7711758	43.020386	-83.598909	Outfall
7711759	43.021901	-83.596833	Outfall
7712253	43.03343	-83.581828	Outfall
7712254	43.033431	-83.581473	Outfall
7712502	43.021452	-83.592297	Outfall
7714006	43.016069	-83.608817	Outfall
7714007	43.01615	-83.608853	Outfall

OutfallNum	Latitude	Longitude	StructureT
7714008	43.016123	-83.608599	Outfall
7714009	43.016039	-83.608552	Outfall
7714502	43.00844	-83.614865	Outfall
7714503	43.008386	-83.614862	Outfall
7714512	43.007341	-83.612577	Outfall
7714519	43.004308	-83.610615	Outfall
7715258	43.010575	-83.617431	Outfall
7715263	43.010435	-83.617468	Outfall
7715265	43.016986	-83.615316	Outfall
7715752	43.010398	-83.617433	Outfall
7715756	43.009126	-83.617658	Outfall
7715759	43.008816	-83.617463	Outfall
7715760	43.008889	-83.617505	Outfall
7715763	43.008357	-83.615091	Outfall
7715764	43.008414	-83.615092	Outfall
7716751	43.010008	-83.635943	Point of Discharge
7721252	43.003156	-83.634638	Outfall
7721253	42.999925	-83.634346	Point of Discharge
7721751	42.990778	-83.642389	Outfall
7721752	42.991749	-83.64218	Outfall
7721753	42.992228	-83.642377	Outfall
7721756	42.989536	-83.638076	Outfall
7721757	42.996023	-83.634151	Point of Discharge
7722001	43.003172	-83.634278	Outfall
7722002	43.003172	-83.634289	Outfall
7723001	43.004119	-83.610561	Outfall
7723003	43.004122	-83.610446	Outfall
7723012	43.000747	-83.606676	Outfall
7723253	42.999027	-83.595022	Outfall
7723255	42.998947	-83.594974	Outfall
7723256	42.998913	-83.594995	Outfall
7723261	43.001032	-83.596585	Outfall
7723262	43.001132	-83.595066	Outfall
7723263	43.001101	-83.595059	Outfall
7723264	43.001087	-83.595048	Outfall
7723501	42.989774	-83.614248	Point of Discharge
7723502	42.989771	-83.614247	Point of Discharge
7723503	42.989781	-83.612476	Point of Discharge
7723504	42.990219	-83.614296	Point of Discharge
7723505	42.990218	-83.614292	Point of Discharge
7724254	43.002014	-83.57528	Outfall
7724255	43.001944	-83.575278	Outfall
7724502	42.996171	-83.594631	Point of Discharge
7724755	42.990373	-83.580853	Outfall
7724756	42.992025	-83.575009	Outfall
7724757	42.991972	-83.575013	Outfall
7724761	42.992415	-83.57782	Outfall
7724762	42.992408	-83.577989	Outfall

OutfallNum	Latitude	Longitude	StructureT
7724763	42.992451	-83.577982	Outfall
7725251	42.990214	-83.580833	Outfall
7725252	42.990213	-83.581202	Outfall
7725258	42.987241	-83.578532	Outfall
7725259	42.987214	-83.578389	Outfall
7725262	42.98452	-83.574749	Outfall
7725263	42.984459	-83.574742	Outfall
7726002	42.98614	-83.614011	Outfall
7726003	42.986077	-83.613994	Outfall
7726251	42.989967	-83.597423	Outfall
7726252	42.98996	-83.597355	Outfall
7726254	42.989082	-83.594496	Point of Discharge
7726255	42.989	-83.594488	Point of Discharge
7726501	42.976258	-83.613847	Outfall
7726502	42.976173	-83.613844	Outfall
7726503	42.976252	-83.613607	Outfall
7726504	42.976159	-83.6136	Outfall
7727008	42.98948	-83.632535	Point of Discharge
7727009	42.98947	-83.63252	Point of Discharge
7727010	42.989454	-83.633658	Point of Discharge
7727251	42.986124	-83.614268	Outfall
7727252	42.986085	-83.614269	Outfall
7727502	42.975112	-83.631913	Outfall
7727503	42.976377	-83.633121	Outfall
7728251	42.98935	-83.63807	Outfall
7728252	42.989319	-83.638258	Outfall
7728757	42.976348	-83.633366	Point of Discharge
7729501	42.97522	-83.671262	Point of Discharge
7729501	42.974647	-83.663412	Point of Discharge
7729502	42.974653	-83.663382	Point of Discharge
7729751	42.974721	-83.659292	Point of Discharge
7729752	42.974729	-83.659259	Point of Discharge
7729753	42.974759	-83.657646	Point of Discharge
7729754	42.974775	-83.656699	Point of Discharge
7729755	42.974742	-83.655576	Point of Discharge
7729756	42.974736	-83.655591	Point of Discharge
7729757	42.974758	-83.654371	Point of Discharge
7729758	42.97475	-83.654371	Point of Discharge
7729759	42.9748	-83.65316	Point of Discharge
7729760	42.97481	-83.653137	Point of Discharge
7730501	42.974372	-83.682773	Point of Discharge
7730753	42.974136	-83.692957	Point of Discharge
7730754	42.97642	-83.681318	Point of Discharge
7730755	42.976427	-83.681319	Point of Discharge
7730756	42.976453	-83.679862	Point of Discharge
7730757	42.976492	-83.677903	Point of Discharge
7730758	42.974344	-83.680393	Point of Discharge
7730759	42.974317	-83.680394	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
7730760	42.974388	-83.678903	Point of Discharge
7730761	42.974452	-83.676517	Point of Discharge
7730762	42.974452	-83.674981	Point of Discharge
7730763	42.974507	-83.673516	Point of Discharge
7731003	42.973872	-83.692618	Outfall
7731251	42.974018	-83.682458	Point of Discharge
7731252	42.974113	-83.681407	Point of Discharge
7731253	42.974193	-83.678941	Point of Discharge
7731254	42.974198	-83.678886	Point of Discharge
7731255	42.974184	-83.678113	Point of Discharge
7731256	42.974177	-83.67808	Point of Discharge
7731257	42.974298	-83.67492	Point of Discharge
7732001	42.974389	-83.670788	Point of Discharge
7732002	42.974377	-83.67188	Point of Discharge
7732003	42.973733	-83.672412	Point of Discharge
7732004	42.97436	-83.671487	Point of Discharge
7732005	42.974402	-83.670158	Point of Discharge
7732006	42.974477	-83.665983	Point of Discharge
7732007	42.974471	-83.665975	Point of Discharge
7732008	42.974496	-83.665252	Point of Discharge
7732009	42.974477	-83.665246	Point of Discharge
7732010	42.974505	-83.664469	Point of Discharge
7732011	42.974485	-83.664466	Point of Discharge
7732012	42.974505	-83.663444	Point of Discharge
7732013	42.974503	-83.663429	Point of Discharge
7732253	42.974413	-83.659698	Point of Discharge
7732254	42.974491	-83.657635	Point of Discharge
7732255	42.974519	-83.657368	Point of Discharge
7732256	42.97453	-83.657357	Point of Discharge
7733760	42.96661	-83.633137	Point of Discharge
7734011	42.974966	-83.631951	Point of Discharge
7736761	42.966	-83.5836	Outfall
7806002	43.040959	-83.576335	Point of Discharge
7806502	43.03818	-83.576228	Outfall
7806523	43.038217	-83.57623	Outfall
7806524	43.035438	-83.576135	Point of Discharge
7806525	43.035427	-83.576135	Point of Discharge
7806526	43.040228	-83.576311	Point of Discharge
7806527	43.034067	-83.57606	Point of Discharge

C of Clio

OutfallNum	Latitude	Longitude	StructureT
9614502	43.177678	-83.73232	Outfall
9614523	43.179153	-83.732983	Outfall
9614524	43.179881	-83.734323	Outfall
9614525	43.179924	-83.734401	Outfall
9614530	43.183958	-83.732825	Outfall

OutfallNum	Latitude	Longitude	StructureT
9614531	43.184214	-83.731247	Outfall
9615509	43.180331	-83.751748	Outfall
9615523	43.17952	-83.748618	Point of Discharge
9615754	43.180146	-83.73878	Outfall
9615757	43.179983	-83.734995	Outfall
9615758	43.179985	-83.734885	Outfall
9615759	43.180006	-83.73686	Outfall
9615760	43.180187	-83.735588	Outfall
9615761	43.179925	-83.736836	Outfall
9615762	43.180061	-83.73628	Outfall
9615765	43.180016	-83.740901	Outfall
9615770	43.178271	-83.743082	Outfall
9615771	43.179485	-83.738996	Point of Discharge
9615772	43.18208	-83.739791	Point of Discharge
9615773	43.18144	-83.739447	Point of Discharge
9622005	43.177239	-83.742379	Point of Discharge
9623013	43.175124	-83.731268	Outfall
9623016	43.174148	-83.730136	Outfall
9623017	43.174601	-83.725765	Outfall
9623501	43.169559	-83.729281	Outfall

C of Davison

OutfallNum	Latitude	Longitude	StructureT
7803501	43.038625	-83.509375	Outfall
7803502	43.03816	-83.512897	Outfall
7803503	43.035989	-83.513737	Point of Discharge
7803504	43.035973	-83.513735	Point of Discharge
7803760	43.038209	-83.505544	Outfall
7804751	43.041849	-83.521869	Point of Discharge
7804752	43.04185	-83.521869	Point of Discharge
7804753	43.040868	-83.523606	Point of Discharge
7804754	43.040127	-83.523605	Point of Discharge
7804755	43.039735	-83.521861	Point of Discharge
7804756	43.039443	-83.523602	Point of Discharge
7804757	43.038582	-83.525497	Point of Discharge
7804758	43.0386	-83.524957	Point of Discharge
7804759	43.038609	-83.524715	Point of Discharge
7804760	43.038106	-83.523104	Point of Discharge
7804761	43.036824	-83.523538	Point of Discharge
7804762	43.036322	-83.523005	Point of Discharge
7804763	43.036166	-83.522499	Point of Discharge
7804764	43.036167	-83.522482	Point of Discharge
7804765	43.034686	-83.519798	Point of Discharge
7804766	43.035502	-83.521097	Point of Discharge
7804767	43.035483	-83.521097	Point of Discharge
7804768	43.036203	-83.521108	Point of Discharge
7804769	43.036214	-83.521095	Point of Discharge
7804770	43.036303	-83.521102	Point of Discharge
7804771	43.036188	-83.521853	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
7804772	43.037375	-83.518603	Point of Discharge
7804773	43.037353	-83.519231	Point of Discharge
7804774	43.037355	-83.519228	Point of Discharge
7804775	43.037355	-83.519236	Point of Discharge
7809251	43.028099	-83.520377	Outfall
7809263	43.028258	-83.51913	Outfall
7809291	43.0285	-83.522929	Outfall
7809292	43.028453	-83.522927	Outfall
7809293	43.028147	-83.52292	Outfall
7809294	43.030082	-83.522869	Point of Discharge
7809295	43.02928	-83.522706	Point of Discharge
7809296	43.034557	-83.521092	Point of Discharge
7809298	43.033212	-83.521055	Point of Discharge
7809300	43.033208	-83.521042	Point of Discharge
7809301	43.027795	-83.520613	Outfall
7809302	43.027868	-83.520473	Outfall
7809510	43.022317	-83.532103	Outfall
7809511	43.02227	-83.531885	Outfall
7809512	43.022279	-83.532067	Outfall
7809513	43.02195	-83.530813	Outfall
7809520	43.027228	-83.5303	Outfall
7809524	43.027245	-83.527634	Outfall
7809751	43.020638	-83.52548	Outfall
7809752	43.026264	-83.52528	Outfall
7809754	43.027368	-83.523578	Outfall
7809756	43.027366	-83.523027	Outfall
7809758	43.027364	-83.522678	Outfall
7809771	43.027337	-83.521551	Outfall
7809780	43.026258	-83.525328	Outfall
7810020	43.028337	-83.516798	Outfall
7810024	43.028324	-83.515525	Outfall
7810027	43.029235	-83.514496	Outfall
7810028	43.029239	-83.514593	Outfall
7810030	43.03029	-83.513458	Outfall
7810031	43.030395	-83.512399	Outfall
7810042	43.028674	-83.509329	Point of Discharge
7810043	43.028671	-83.509321	Point of Discharge
7810044	43.02943	-83.509327	Point of Discharge
7810045	43.028347	-83.516609	Outfall
7810046	43.028342	-83.516665	Outfall
7810047	43.028387	-83.515319	Outfall
7810262	43.031463	-83.507999	Point of Discharge
7810501	43.020584	-83.507887	Point of Discharge
7810502	43.023506	-83.509004	Point of Discharge
7810503	43.024171	-83.509527	Point of Discharge
7810504	43.025741	-83.509196	Point of Discharge
7810505	43.025858	-83.509208	Point of Discharge
7810506	43.025879	-83.509746	Point of Discharge

C of Fenton

OutfallNum	Latitude	Longitude	StructureT
5623507	42.817312	-83.720147	Outfall
5623752	42.812834	-83.714448	Outfall
5623754	42.817305	-83.713779	Outfall
5625002	42.809972	-83.701862	Outfall
5625506	42.801844	-83.705825	Outfall
5625507	42.800484	-83.706028	Outfall
5625508	42.800825	-83.705956	Outfall
5625509	42.800216	-83.705767	Outfall
5625510	42.799292	-83.707121	Outfall
5625511	42.799004	-83.708212	Outfall
5625513	42.804597	-83.706458	Outfall
5625751	42.803871	-83.686964	Outfall
5625752	42.799609	-83.686887	Outfall
5626005	42.804816	-83.723764	Outfall
5626007	42.804775	-83.723737	Outfall
5626251	42.806304	-83.708622	Outfall
5626255	42.811673	-83.713299	Outfall
5626256	42.808539	-83.712451	Outfall
5626262	42.812284	-83.714063	Outfall
5626265	42.807964	-83.711911	Outfall
5626266	42.809974	-83.712398	Outfall
5626267	42.806226	-83.708692	Outfall
5626268	42.805334	-83.708672	Outfall
5626501	42.803926	-83.722951	Outfall
5626502	42.802704	-83.72327	Outfall
5626503	42.801073	-83.72622	Point of Discharge
5627002	42.805535	-83.74196	Outfall
5627253	42.806468	-83.730245	Outfall
5627760	42.799969	-83.734568	Outfall
5627761	42.80069	-83.734104	Outfall
5627762	42.801557	-83.733857	Point of Discharge
5627763	42.802473	-83.733897	Point of Discharge
5627764	42.804173	-83.734667	Point of Discharge
5627765	42.803981	-83.733462	Outfall
5634001	42.79421	-83.740368	Outfall
5634002	42.795374	-83.737867	Point of Discharge
5634003	42.795124	-83.738732	Point of Discharge
5634004	42.794607	-83.739632	Point of Discharge
5634005	42.789742	-83.744433	Point of Discharge
5634006	42.789742	-83.744452	Point of Discharge
5634255	42.795784	-83.732665	Outfall
5634259	42.795568	-83.732386	Outfall
5634751	42.789633	-83.732143	Outfall
5634752	42.789694	-83.732505	Point of Discharge
5634753	42.789685	-83.732578	Point of Discharge
5635001	42.793748	-83.719848	Outfall

OutfallNum	Latitude	Longitude	StructureT
5635003	42.796192	-83.719761	Outfall
5635251	42.79626	-83.715647	Outfall
5635501	42.789953	-83.721458	Point of Discharge
5635502	42.787938	-83.724408	Point of Discharge
5636001	42.796438	-83.706795	Outfall
5636005	42.795667	-83.706697	Outfall
5636006	42.795304	-83.70667	Outfall
5636010	42.794622	-83.704564	Outfall
5636011	42.794448	-83.704461	Outfall
5636017	42.793734	-83.704095	Outfall
5636018	42.79384	-83.703078	Outfall
5636023	42.794948	-83.701087	Outfall
5636024	42.793764	-83.699543	Outfall
5636026	42.791853	-83.697186	Outfall
5636030	42.797651	-83.706543	Outfall
5636031	42.797581	-83.706689	Outfall
5636032	42.796598	-83.706762	Outfall
5636033	42.796626	-83.70692	Outfall
5636034	42.793843	-83.703035	Outfall
5636035	42.794137	-83.701953	Outfall
5636036	42.794572	-83.701633	Outfall
5636037	42.794865	-83.701201	Outfall
5636038	42.793733	-83.699517	Outfall
5636039	42.794789	-83.705088	Outfall
5636040	42.794635	-83.704856	Outfall
5636253	42.79432	-83.694005	Outfall
5636254	42.79412	-83.693909	Outfall
5636255	42.793606	-83.695089	Outfall
5636256	42.793116	-83.693437	Outfall
5636257	42.792214	-83.692992	Outfall
5636258	42.790828	-83.690854	Outfall
5636752	42.790507	-83.689623	Outfall
5636753	42.788306	-83.693986	Outfall

C of Flushing

OutfallNum	Latitude	Longitude	StructureT
8523751	43.074769	-83.833133	Outfall
8525001	43.067391	-83.830739	Point of Discharge
8525002	43.067291	-83.828266	Point of Discharge
8525003	43.067294	-83.826597	Point of Discharge
8525004	43.067417	-83.825523	Point of Discharge
8525005	43.068322	-83.825534	Point of Discharge
8525006	43.069229	-83.825545	Point of Discharge
8525007	43.070063	-83.825546	Point of Discharge
8525008	43.070899	-83.825542	Point of Discharge
8525009	43.074149	-83.825466	Outfall
8525010	43.070621	-83.822991	Outfall

OutfallNum	Latitude	Longitude	StructureT
8525011	43.074902	-83.828381	Outfall
8525501	43.061959	-83.826136	Point of Discharge
8525502	43.060706	-83.823769	Point of Discharge
8525503	43.062019	-83.823006	Point of Discharge
8525751	43.065799	-83.820969	Point of Discharge
8525752	43.060167	-83.817319	Point of Discharge
8526251	43.074734	-83.838561	Outfall
8526252	43.069975	-83.835501	Point of Discharge
8526501	43.061088	-83.843927	Outfall
8526502	43.061599	-83.847308	Outfall
8526503	43.061582	-83.848928	Outfall
8526507	43.060777	-83.842093	Outfall
8526509	43.06089	-83.843177	Outfall
8526511	43.061014	-83.849024	Outfall
8526513	43.060853	-83.849784	Outfall
8526514	43.065328	-83.845731	Outfall
8526515	43.063314	-83.843938	Outfall
8526516	43.063172	-83.843897	Outfall
8526517	43.063192	-83.843819	Outfall
8526751	43.061192	-83.840613	Outfall
8526752	43.064649	-83.838187	Outfall
8526753	43.065121	-83.836074	Outfall
8526754	43.064111	-83.83448	Outfall
8526770	43.060372	-83.83649	Outfall
8526771	43.06039	-83.836996	Outfall
8526772	43.06031	-83.836148	Outfall
8527256	43.06704	-83.861784	Outfall
8527257	43.07028	-83.85956	Outfall
8527258	43.071181	-83.855113	Point of Discharge
8527259	43.074559	-83.853002	Point of Discharge
8527501	43.062206	-83.863521	Outfall
8527504	43.066373	-83.863102	Outfall
8527751	43.067128	-83.862215	Outfall
8527758	43.062197	-83.857175	Outfall
8527765	43.063065	-83.856399	Outfall
8527769	43.064263	-83.857871	Outfall
8527772	43.064188	-83.859335	Outfall
8527780	43.062695	-83.857116	Outfall
8527781	43.061055	-83.857336	Outfall
8527784	43.062022	-83.85675	Outfall
8527861	43.059974	-83.854309	Outfall
8527862	43.060176	-83.852611	Outfall
8527866	43.060113	-83.852986	Outfall
8527868	43.060123	-83.852936	Outfall
8534001	43.059561	-83.863237	Outfall
8534007	43.057654	-83.864304	Outfall
8534009	43.056207	-83.864543	Outfall
8534010	43.058597	-83.863896	Outfall

OutfallNum	Latitude	Longitude	StructureT
8534011	43.05824	-83.862484	Outfall
8534251	43.055396	-83.861731	Outfall
8534252	43.055406	-83.859593	Outfall
8534254	43.053233	-83.857019	Outfall
8534256	43.05545	-83.859243	Outfall
8534257	43.05908	-83.853355	Outfall
8535012	43.054836	-83.845614	Outfall
8535013	43.053655	-83.846182	Outfall
8535252	43.056579	-83.838736	Outfall
8535253	43.055008	-83.83966	Outfall
8535254	43.055162	-83.841361	Outfall
8535255	43.0537	-83.839094	Outfall
8535256	43.053598	-83.838004	Outfall
8535257	43.054177	-83.83465	Outfall
8535751	43.052176	-83.837894	Outfall
8535752	43.05217	-83.842027	Outfall
8535753	43.052639	-83.841719	Outfall
8535754	43.052654	-83.841966	Outfall
8536002	43.057007	-83.823906	Outfall
8536010	43.054424	-83.83128	Outfall
8536260	43.054975	-83.81937	Outfall
8536261	43.055365	-83.815965	Point of Discharge

C of GrandB

OutfallNum	Latitude	Longitude	StructureT
6709751	42.936991	-83.637909	Point of Discharge
6710504	42.933629	-83.629318	Outfall
6710506	42.932738	-83.627863	Outfall
6710508	42.931181	-83.626271	Outfall
6710512	42.931332	-83.626381	Outfall
6710513	42.931173	-83.626265	Outfall
6710514	42.931338	-83.626394	Outfall
6710520	42.934578	-83.6295	Outfall
6710521	42.937316	-83.629188	Outfall
6711751	42.933449	-83.601122	Outfall
6711756	42.934815	-83.600983	Outfall
6714009	42.926748	-83.602996	Outfall
6714010	42.928058	-83.605229	Point of Discharge
6714253	42.924905	-83.597886	Outfall
6714256	42.92594	-83.598715	Outfall
6714501	42.9235	-83.609488	Outfall
6714753	42.919168	-83.594779	Outfall
6714754	42.920533	-83.594661	Outfall
6714755	42.922326	-83.595265	Outfall
6714756	42.922791	-83.596231	Outfall
6714757	42.923781	-83.596687	Outfall
6715003	42.929382	-83.626479	Outfall

OutfallNum	Latitude	Longitude	StructureT
6715004	42.929386	-83.626458	Outfall
6715005	42.929146	-83.625109	Outfall
6715010	42.93028	-83.631627	Outfall
6715252	42.926958	-83.619796	Outfall
6715257	42.927068	-83.613462	Outfall
6715262	42.925314	-83.617179	Outfall
6715263	42.927542	-83.614454	Outfall
6715264	42.926956	-83.615872	Outfall
6715265	42.928672	-83.615048	Outfall
6715504	42.923982	-83.622233	Outfall
6715505	42.92467	-83.622241	Outfall
6715506	42.922823	-83.624665	Point of Discharge
6715510	42.916957	-83.631067	Outfall
6715511	42.9169	-83.629176	Outfall
6715512	42.916889	-83.62844	Outfall
6715513	42.915918	-83.627188	Outfall
6715514	42.916012	-83.6246	Outfall
6715515	42.923439	-83.624782	Point of Discharge
6715516	42.92304	-83.624379	Point of Discharge
6716251	42.926825	-83.63711	Point of Discharge
6716252	42.926825	-83.63711	Point of Discharge
6716253	42.926763	-83.637205	Point of Discharge
6716254	42.929356	-83.634366	Point of Discharge
6716255	42.927429	-83.634425	Point of Discharge
6716256	42.927514	-83.63421	Point of Discharge
6716257	42.926185	-83.63395	Point of Discharge
6716258	42.927617	-83.637132	Point of Discharge
6716751	42.91674	-83.636669	Outfall
6716760	42.91811	-83.633552	Outfall
6716761	42.92025	-83.641385	Point of Discharge
6716762	42.918585	-83.639585	Point of Discharge
6716763	42.918387	-83.635905	Outfall
6716764	42.918363	-83.633642	Outfall
6722251	42.914689	-83.619491	Outfall
6723004	42.916462	-83.60208	Outfall
6723005	42.916054	-83.602228	Outfall

C of Linden

OutfallNum	Latitude	Longitude	StructureT
5617510	42.828965	-83.780114	Outfall
5617511	42.825997	-83.781654	Outfall
5617512	42.826008	-83.781884	Outfall
5619750	42.813036	-83.790913	Outfall
5619751	42.811526	-83.792701	Outfall
5620001	42.823025	-83.783592	Outfall
5620002	42.823004	-83.783574	Outfall
5620251	42.819529	-83.772482	Outfall

OutfallNum	Latitude	Longitude	StructureT
5620257	42.818759	-83.771419	Outfall
5620258	42.819951	-83.772516	Outfall
5620501	42.815897	-83.782482	Outfall
5620502	42.815827	-83.782453	Outfall
5620503	42.815907	-83.782318	Outfall
5620504	42.815808	-83.782174	Outfall
5620505	42.817741	-83.784245	Outfall
5620506	42.815646	-83.784338	Outfall
5620513	42.817152	-83.777252	Outfall
5620514	42.81584	-83.781667	Outfall
5620515	42.81561	-83.781394	Outfall
5620516	42.815815	-83.782081	Outfall
5620517	42.815676	-83.781678	Outfall
5620518	42.815655	-83.781605	Outfall
5620519	42.815779	-83.782959	Outfall
5620520	42.81585	-83.783742	Outfall
5620522	42.816379	-83.777484	Outfall
5620524	42.81579	-83.782879	Outfall
5620527	42.815637	-83.780798	Outfall
5620753	42.817727	-83.77382	Outfall
5620755	42.819069	-83.773647	Outfall
5621501	42.816946	-83.76561	Outfall
5621502	42.811364	-83.763456	Point of Discharge
5630251	42.807136	-83.793305	Outfall

C of Mt. Morris

OutfallNum	Latitude	Longitude	StructureT
8601754	43.122965	-83.703035	Point of Discharge
8601755	43.122256	-83.702705	Point of Discharge
8601756	43.121572	-83.702348	Point of Discharge
8601757	43.121905	-83.702525	Point of Discharge
8601758	43.120813	-83.701544	Point of Discharge
8601759	43.120653	-83.700505	Point of Discharge
8601760	43.120894	-83.699572	Point of Discharge
8601761	43.121355	-83.69863	Point of Discharge
8601762	43.121406	-83.697579	Point of Discharge
8601763	43.121653	-83.697698	Point of Discharge
8601764	43.121771	-83.695098	Point of Discharge
8601765	43.121745	-83.694557	Point of Discharge
8601766	43.121687	-83.694577	Point of Discharge
8601767	43.124288	-83.704381	Point of Discharge
8601768	43.123431	-83.703502	Point of Discharge
8601769	43.122964	-83.703048	Point of Discharge
8601770	43.119485	-83.698157	Point of Discharge
8601771	43.119485	-83.698135	Point of Discharge
8612251	43.117924	-83.704293	Point of Discharge
8612252	43.116977	-83.704181	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
8612253	43.116968	-83.704194	Point of Discharge
8612254	43.116389	-83.701801	Point of Discharge
8612255	43.116313	-83.7018	Point of Discharge
8612256	43.115675	-83.701792	Point of Discharge
8612257	43.117013	-83.701805	Point of Discharge
8612258	43.114935	-83.701783	Point of Discharge
8612259	43.117005	-83.701796	Point of Discharge
8612260	43.114125	-83.701773	Point of Discharge
8612261	43.118436	-83.696241	Point of Discharge
8612262	43.11844	-83.696052	Point of Discharge
8612263	43.117671	-83.695833	Point of Discharge
8612264	43.117663	-83.696045	Point of Discharge
8612265	43.118404	-83.697613	Point of Discharge
8612266	43.118452	-83.697674	Point of Discharge
8612267	43.119359	-83.698106	Point of Discharge
8612268	43.119275	-83.697768	Point of Discharge
8612269	43.119275	-83.697753	Point of Discharge
8612270	43.1193	-83.697767	Point of Discharge
8706501	43.121731	-83.694301	Point of Discharge
8706502	43.121623	-83.692344	Point of Discharge
8706503	43.122964	-83.691391	Point of Discharge
8706504	43.123402	-83.690084	Point of Discharge
8706505	43.123472	-83.6899	Point of Discharge
8706506	43.121818	-83.690002	Point of Discharge
8706507	43.122964	-83.691391	Point of Discharge
8707001	43.116268	-83.692829	Point of Discharge
8707002	43.116191	-83.692832	Point of Discharge
8707003	43.114078	-83.690198	Point of Discharge

C of Swartz Cr

OutfallNum	Latitude	Longitude	StructureT
6501001	42.956727	-83.827724	Point of Discharge
6501002	42.956158	-83.827716	Point of Discharge
6501003	42.955697	-83.827714	Point of Discharge
6501004	42.955745	-83.829923	Point of Discharge
6501005	42.956483	-83.829956	Point of Discharge
6501006	42.953236	-83.83195	Point of Discharge
6501102	42.956629	-83.821627	Outfall
6501103	42.95673	-83.821659	Outfall
6501104	42.955224	-83.828755	Outfall
6501108	42.954489	-83.830924	Outfall
6501301	42.95678	-83.821426	Outfall
6501302	42.956695	-83.821393	Outfall
6502001	42.952782	-83.840645	Outfall
6502002	42.95239	-83.842237	Outfall
6502004	42.949313	-83.846982	Outfall
6502010	42.95673	-83.837545	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
6502011	42.955973	-83.837524	Point of Discharge
6502012	42.955889	-83.837523	Point of Discharge
6502013	42.955326	-83.837513	Point of Discharge
6502014	42.954693	-83.837504	Point of Discharge
6502015	42.953914	-83.837474	Point of Discharge
6502150	42.950857	-83.845209	Outfall
6502251	42.956526	-83.834679	Point of Discharge
6502252	42.956007	-83.834646	Point of Discharge
6502253	42.957097	-83.834715	Point of Discharge
6502254	42.955818	-83.83437	Point of Discharge
6502257	42.953579	-83.835868	Outfall
6502260	42.952788	-83.840929	Outfall
6502261	42.953772	-83.834828	Outfall
6502262	42.956037	-83.832005	Point of Discharge
6502263	42.954312	-83.831974	Outfall
6502264	42.957025	-83.839452	Point of Discharge
6502265	42.953248	-83.839355	Point of Discharge
6502266	42.953849	-83.839389	Point of Discharge
6502267	42.954687	-83.839407	Point of Discharge
6502268	42.955272	-83.839432	Point of Discharge
6502269	42.955278	-83.839391	Point of Discharge
6502270	42.956531	-83.839439	Point of Discharge
6502271	42.957	-83.839452	Point of Discharge
6502272	42.956858	-83.84078	Point of Discharge
6502273	42.956549	-83.840781	Point of Discharge
6502274	42.955919	-83.840767	Point of Discharge
6502275	42.95526	-83.840805	Point of Discharge
6502276	42.955258	-83.840677	Point of Discharge
6502277	42.954291	-83.840734	Point of Discharge
6502278	42.953353	-83.840684	Point of Discharge
6502283	42.957059	-83.835867	Point of Discharge
6502284	42.955789	-83.835818	Point of Discharge
6502285	42.95207	-83.831906	Point of Discharge
6502286	42.951472	-83.835041	Point of Discharge
6502287	42.95147	-83.835051	Point of Discharge
6502288	42.95226	-83.835229	Point of Discharge
6502289	42.952272	-83.832657	Point of Discharge
6502290	42.952274	-83.832526	Point of Discharge
6502291	42.952277	-83.832124	Point of Discharge
6502354	42.953896	-83.833546	Outfall
6502356	42.953733	-83.834439	Outfall
6502510	42.946859	-83.84987	Outfall
6503760	42.944593	-83.858074	Outfall
6503761	42.944607	-83.857741	Outfall
6503762	42.945136	-83.853349	Outfall
6503763	42.94539	-83.852979	Outfall
6503764	42.946243	-83.851397	Outfall
7525751	42.973953	-83.811538	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
7525752	42.971958	-83.811513	Point of Discharge
7534751	42.95748	-83.850563	Point of Discharge
7536251	42.967787	-83.811476	Point of Discharge
7536252	42.967777	-83.811476	Point of Discharge
7536253	42.969142	-83.811493	Point of Discharge
7536254	42.967547	-83.811468	Point of Discharge
7536501	42.957337	-83.829509	Point of Discharge
7536502	42.963475	-83.830553	Point of Discharge
7536503	42.957834	-83.828779	Point of Discharge
7536504	42.958197	-83.828836	Point of Discharge
7536751	42.964454	-83.811449	Point of Discharge
7629501	42.972669	-83.78596	Point of Discharge
7629502	42.972569	-83.789456	Point of Discharge
7631001	42.967327	-83.808833	Point of Discharge
7631002	42.965644	-83.811093	Point of Discharge
7631003	42.965221	-83.80994	Point of Discharge
7631004	42.967187	-83.80475	Outfall
7631251	42.969122	-83.795129	Outfall
7632001	42.97246	-83.786794	Point of Discharge
7632002	42.972515	-83.785883	Point of Discharge
7632251	42.972322	-83.781706	Outfall

Davison Twp

OutfallNum	Latitude	Longitude	StructureT
7808001	43.026871	-83.553148	Outfall
7809001	43.028927	-83.530171	Outfall
7815001	43.01703	-83.515043	Point of Discharge

Fenton Twp

OutfallNum	Latitude	Longitude	StructureT
5611251	42.855943	-83.716718	Point of Discharge
5611252	42.854498	-83.716562	Outfall
5611253	42.854965	-83.716277	Outfall
5611254	42.855346	-83.71632	Outfall
5611255	42.855454	-83.716677	Outfall
5632251	42.789479	-83.770307	Point of Discharge

Flint Twp

OutfallNum	Latitude	Longitude	StructureT
7610251	43.027687	-83.743196	Point of Discharge
7617501	43.003163	-83.782834	Point of Discharge
7622001	42.999152	-83.752814	Point of Discharge
7629762	42.978519	-83.77854	Point of Discharge
7629763	42.978605	-83.779026	Point of Discharge

Genesee Twp

OutfallNum	Latitude	Longitude	StructureT
8711003	43.112952	-83.615704	Outfall
8711504	43.111994	-83.615138	Outfall
8735504	43.051123	-83.608532	Point of Discharge

Mt. Morris Twp

OutfallNum	Latitude	Longitude	StructureT
8622251	43.088952	-83.737965	Outfall
8627501	43.064214	-83.753108	Outfall
8627502	43.064768	-83.753081	Outfall

Vienna Township

OutfallNum	Latitude	Longitude	StructureT
9614762	43.17766	-83.719936	Point of Discharge
9615520	43.178733	-83.748677	Point of Discharge
9622001	43.177322	-83.746237	Point of Discharge
9622002	43.177328	-83.745026	Point of Discharge
9622003	43.17676	-83.746098	Point of Discharge
9622004	43.176711	-83.745	Point of Discharge

GC B&G

OutfallNum	Latitude	Longitude	StructureT
7718002	43.010681	-83.688011	Point of Discharge
7718008	43.012277	-83.685833	Point of Discharge
7718006	43.013795	-83.689838	Point of Discharge
7718005	43.011974	-83.690802	Point of Discharge
7718001	43.01117	-83.686863	Point of Discharge
7718501	43.009287	-83.686329	Point of Discharge
7718502	43.009533	-83.686599	Point of Discharge
7718504	43.010014	-83.687149	Point of Discharge
7718503	43.010018	-83.687152	Point of Discharge
7734501	42.965985	-83.630163	Point of Discharge
7729503	42.979882	-83.672758	Point of Discharge
7729504	42.979216	-83.673047	Point of Discharge
7718003	43.012207	-83.688408	Point of Discharge
7718004	43.012146	-83.688474	Point of Discharge
6723006	42.914214	-83.609436	Point of Discharge

GC motorpool

OutfallNum	Latitude	Longitude	StructureT
7718007	43.012305	-83.685889	Point of Discharge

GC School

OutfallNum	Latitude	Longitude	StructureT
5525251	42.80503	-83.815585	Outfall
5525751	42.802001	-83.814546	Outfall
5535001	42.792189	-83.842242	Outfall
5535002	42.791669	-83.841836	Outfall
5602504	42.85954	-83.729107	Point of Discharge
5602505	42.859327	-83.72911	Point of Discharge
5602506	42.860819	-83.727646	Outfall
5620528	42.81239	-83.784167	Point of Discharge
5625515	42.800495	-83.697089	Point of Discharge
5625516	42.801268	-83.698414	Point of Discharge
5625517	42.802023	-83.698403	Point of Discharge
5625518	42.801213	-83.698343	Point of Discharge
5625519	42.800964	-83.698273	Point of Discharge
5625520	42.800847	-83.698256	Point of Discharge
5625521	42.80071	-83.698237	Point of Discharge
5625753	42.800508	-83.695915	Point of Discharge
5626751	42.804242	-83.711473	Point of Discharge
5626752	42.802624	-83.711807	Point of Discharge
5630252	42.809841	-83.788777	Point of Discharge
5634754	42.789632	-83.731272	Outfall
5634755	42.787187	-83.731244	Outfall
5634756	42.786383	-83.731212	Outfall
5634757	42.785533	-83.731455	Outfall
5634758	42.785158	-83.731534	Outfall
5634759	42.785134	-83.731506	Outfall
5635252	42.795645	-83.711856	Point of Discharge
5635254	42.79504	-83.708709	Point of Discharge
5635751	42.785338	-83.713158	Point of Discharge
6502016	42.950784	-83.851325	Point of Discharge
6502300	42.950595	-83.841549	Outfall
6502301	42.952188	-83.841512	Outfall
6502302	42.952667	-83.840545	Outfall
6502304	42.952891	-83.839116	Outfall
6502305	42.951127	-83.835802	Point of Discharge
6502308	42.956152	-83.837679	Point of Discharge
6502309	42.957013	-83.838231	Point of Discharge
6502310	42.956269	-83.839535	Point of Discharge
6502452	42.952871	-83.839337	Outfall
6503306	42.949769	-83.853352	Point of Discharge
6503307	42.951531	-83.852119	Point of Discharge
6601003	42.955997	-83.704945	Point of Discharge
6601006	42.954516	-83.704131	Outfall
6601008	42.952937	-83.703697	Outfall
6601009	42.952144	-83.704331	Outfall
6601010	42.959189	-83.712315	Point of Discharge
6602001	42.958886	-83.727884	Point of Discharge
6602002	42.957206	-83.725731	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
6602003	42.957062	-83.725739	Point of Discharge
6602004	42.955035	-83.725613	Point of Discharge
6602257	42.956944	-83.719722	Outfall
6602258	42.955815	-83.719733	Outfall
6602263	42.955556	-83.720606	Point of Discharge
6602264	42.956896	-83.722429	Point of Discharge
6701501	42.94941	-83.590782	Point of Discharge
6701502	42.948467	-83.59036	Point of Discharge
6701503	42.949604	-83.58847	Point of Discharge
6705251	42.959493	-83.656581	Outfall
6705505	42.94975	-83.66602	Outfall
6705521	42.949549	-83.6656	Outfall
6705522	42.94963	-83.667637	Outfall
6705523	42.950689	-83.669763	Outfall
6707751	42.933802	-83.672295	Point of Discharge
6708510	42.93087	-83.666949	Outfall
6708511	42.930834	-83.666785	Outfall
6710503	42.935363	-83.628934	Outfall
6710525	42.932991	-83.627882	Outfall
6710526	42.934624	-83.629385	Outfall
6713001	42.924626	-83.589824	Point of Discharge
6715520	42.920105	-83.622128	Point of Discharge
6715521	42.920815	-83.622112	Point of Discharge
6715522	42.923594	-83.629962	Point of Discharge
6715523	42.918655	-83.631042	Point of Discharge
6715524	42.921446	-83.62645	Point of Discharge
6715525	42.921165	-83.626758	Point of Discharge
6715526	42.919784	-83.62899	Point of Discharge
6715527	42.919685	-83.628908	Point of Discharge
6715528	42.921317	-83.626474	Point of Discharge
6715529	42.92156	-83.626101	Point of Discharge
6715530	42.921652	-83.626115	Point of Discharge
6715531	42.922311	-83.625188	Point of Discharge
6715532	42.919893	-83.631295	Point of Discharge
6716767	42.919108	-83.631903	Point of Discharge
6717001	42.929773	-83.668714	Point of Discharge
6722752	42.904291	-83.61313	Outfall
6722754	42.904015	-83.614936	Outfall
7601001	43.040805	-83.710984	Point of Discharge
7601251	43.043906	-83.702344	Point of Discharge
7601252	43.044669	-83.699907	Point of Discharge
7602251	43.040312	-83.720722	Point of Discharge
7603751	43.033048	-83.740228	Point of Discharge
7609001	43.026107	-83.773101	Point of Discharge
7611251	43.026224	-83.720811	Point of Discharge
7611252	43.02636	-83.718893	Point of Discharge
7611253	43.025	-83.721906	Point of Discharge
7612001	43.031726	-83.708564	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
7613001	43.014988	-83.712094	Point of Discharge
7613002	43.014602	-83.710025	Point of Discharge
7614751	43.002883	-83.717345	Point of Discharge
7614752	43.002877	-83.717308	Point of Discharge
7615501	43.006909	-83.751021	Point of Discharge
7615502	43.006804	-83.749537	Point of Discharge
7619251	42.996951	-83.793953	Point of Discharge
7619252	43.013786	-83.756717	Point of Discharge
7622501	42.994795	-83.751437	Point of Discharge
7624751	42.999479	-83.702231	Point of Discharge
7624752	42.998909	-83.703012	Point of Discharge
7625001	42.986263	-83.706856	Outfall
7625002	42.985296	-83.705964	Outfall
7625770	42.97807	-83.69863	Outfall
7629251	42.984468	-83.777039	Point of Discharge
7630501	42.978883	-83.810575	Outfall
7636251	42.971669	-83.700415	Point of Discharge
7636252	42.970278	-83.698208	Point of Discharge
7701751	43.035016	-83.695192	Point of Discharge
7701752	43.035016	-83.69519	Point of Discharge
7703252	43.045557	-83.620843	Point of Discharge
7704251	43.040579	-83.645428	Point of Discharge
7704252	43.040578	-83.645428	Point of Discharge
7705001	43.046813	-83.668394	Point of Discharge
7705002	43.046619	-83.668404	Point of Discharge
7705003	43.046038	-83.670717	Point of Discharge
7707001	43.027454	-83.6934	Point of Discharge
7707002	43.025741	-83.693401	Point of Discharge
7707751	43.021781	-83.676627	Point of Discharge
7707752	43.018198	-83.675795	Outfall
7707753	43.025112	-83.676152	Point of Discharge
7707754	43.025248	-83.679695	Point of Discharge
7707755	43.025119	-83.676146	Point of Discharge
7707756	43.025258	-83.679687	Point of Discharge
7712504	43.021606	-83.590425	Outfall
7713501	43.006724	-83.592535	Point of Discharge
7713502	43.006737	-83.592032	Point of Discharge
7713503	43.006762	-83.591159	Point of Discharge
7716001	43.018396	-83.651213	Point of Discharge
7716002	43.016744	-83.652535	Point of Discharge
7716003	43.015932	-83.651359	Point of Discharge
7716501	43.010097	-83.645117	Point of Discharge
7717251	43.016129	-83.661865	Point of Discharge
7717501	43.003648	-83.709745	Point of Discharge
7717502	43.003528	-83.708259	Point of Discharge
7721001	42.997348	-83.645854	Outfall
7721760	42.993898	-83.636204	Point of Discharge
7721761	42.992847	-83.634013	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
7727755	42.981002	-83.621188	Outfall
7727756	42.976436	-83.613821	Point of Discharge
7729251	42.987387	-83.658456	Point of Discharge
7729503	42.976968	-83.668733	Point of Discharge
7730001	42.982241	-83.687887	Point of Discharge
7730002	42.98378	-83.685478	Point of Discharge
7731013	42.96892	-83.687058	Outfall
7731258	42.973814	-83.679007	Point of Discharge
7731259	42.973634	-83.678952	Point of Discharge
7731260	43.088269	-83.685901	Point of Discharge
7732251	42.970824	-83.661984	Point of Discharge
7732252	42.970106	-83.66197	Point of Discharge
7732257	42.974501	-83.662545	Point of Discharge
7732258	42.973005	-83.662708	Point of Discharge
7732259	42.973795	-83.660626	Point of Discharge
7732501	42.964372	-83.662427	Point of Discharge
7809304	43.032193	-83.527902	Point of Discharge
7809305	43.032191	-83.527901	Point of Discharge
7809306	43.03228	-83.52433	Point of Discharge
7809781	43.025102	-83.525108	Point of Discharge
7809782	43.023773	-83.523797	Point of Discharge
7809783	43.023764	-83.522903	Point of Discharge
7809784	43.024448	-83.520467	Point of Discharge
7809785	43.025228	-83.520476	Point of Discharge
7809786	43.026468	-83.521218	Point of Discharge
7810751	43.025912	-83.507836	Point of Discharge
7810752	43.027129	-83.507716	Point of Discharge
7820509	42.995551	-83.550106	Outfall
8513757	43.092961	-83.814175	Point of Discharge
8513993	43.094498	-83.814551	Point of Discharge
8513995	43.094429	-83.814343	Point of Discharge
8523509	43.074805	-83.84493	Point of Discharge
8524507	43.081628	-83.832548	Outfall
8524508	43.079671	-83.83174	Outfall
8524516	43.078597	-83.831356	Outfall
8525012	43.071485	-83.825542	Point of Discharge
8526002	43.067451	-83.84809	Point of Discharge
8526003	43.071008	-83.845809	Point of Discharge
8526004	43.070215	-83.852685	Point of Discharge
8526005	43.071066	-83.845809	Point of Discharge
8526518	43.067151	-83.849236	Point of Discharge
8526519	43.06642	-83.84922	Point of Discharge
8526520	43.066427	-83.849201	Point of Discharge
8527001	43.067572	-83.867631	Point of Discharge
8534763	43.050667	-83.859771	Outfall
8534764	43.050618	-83.858176	Outfall
8534765	43.048068	-83.862163	Point of Discharge
8534769	43.048622	-83.862098	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
8601251	43.127189	-83.701476	Point of Discharge
8601772	43.126667	-83.700281	Point of Discharge
8602751	43.126323	-83.714422	Point of Discharge
8602752	43.122828	-83.714369	Point of Discharge
8602753	43.122118	-83.714376	Point of Discharge
8602754	43.120349	-83.714393	Point of Discharge
8602755	43.119838	-83.71667	Point of Discharge
8612271	43.119308	-83.702299	Point of Discharge
8612272	43.119339	-83.703001	Point of Discharge
8612273	43.117731	-83.702971	Point of Discharge
8613104	43.097754	-83.713289	Point of Discharge
8613251	43.100906	-83.701036	Point of Discharge
8613501	43.091101	-83.709084	Point of Discharge
8613502	43.096441	-83.712101	Point of Discharge
8613751	43.093698	-83.698657	Point of Discharge
8614251	43.099709	-83.715082	Point of Discharge
8623753	43.075407	-83.721184	Point of Discharge
8623995	43.075967	-83.723643	Point of Discharge
8623997	43.075729	-83.722171	Point of Discharge
8624751	43.079238	-83.698986	Point of Discharge
8625001	43.073841	-83.705145	Point of Discharge
8625751	43.062617	-83.701366	Point of Discharge
8626001	43.0712	-83.72908	Point of Discharge
8626002	43.069025	-83.72911	Point of Discharge
8627251	43.075283	-83.740806	Point of Discharge
8627252	43.071229	-83.740959	Point of Discharge
8631251	43.054739	-83.802436	Point of Discharge
8634001	43.059784	-83.752985	Point of Discharge
8634002	43.057935	-83.752931	Point of Discharge
8634003	43.055747	-83.750727	Point of Discharge
8634004	43.0598	-83.75299	Point of Discharge
8634751	43.052886	-83.740466	Point of Discharge
8635751	43.052508	-83.723418	Point of Discharge
8635752	43.052504	-83.723424	Point of Discharge
8636501	43.053265	-83.70887	Point of Discharge
8706251	43.129634	-83.687491	Point of Discharge
8706252	43.128112	-83.687451	Point of Discharge
8706508	43.123417	-83.689443	Point of Discharge
8706509	43.122348	-83.688614	Point of Discharge
8706510	43.122352	-83.688601	Point of Discharge
8706751	43.126295	-83.687473	Point of Discharge
8706752	43.125693	-83.687479	Point of Discharge
8707004	43.119322	-83.689178	Point of Discharge
8707005	43.118016	-83.69004	Point of Discharge
8707006	43.11792	-83.69004	Point of Discharge
8710251	43.113339	-83.621866	Point of Discharge
8710252	43.116464	-83.617774	Point of Discharge
8710253	43.113331	-83.621864	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
8729001	43.07545	-83.665963	Point of Discharge
9614001	43.184783	-83.7281	Point of Discharge
9614533	43.177844	-83.731462	Point of Discharge
9614534	43.178085	-83.729783	Outfall
9614535	43.179875	-83.729712	Outfall
9614536	43.180663	-83.732875	Point of Discharge
9614765	43.177611	-83.723307	Point of Discharge
9621508	43.169846	-83.771858	Outfall
9621509	43.169838	-83.771862	Outfall

GCDC

OutfallNum	Latitude	Longitude	StructureT
6601251	42.959417	-83.692718	Outfall
7625251	42.981541	-83.697458	Outfall
7625757	42.97846	-83.698704	Outfall
7636751	42.959714	-83.695299	Outfall
7636753	42.959633	-83.697607	Outfall
7731524	42.960949	-83.690112	Outfall
7731538	42.963059	-83.685043	Outfall
8826001	43.076731	-83.498926	Outfall
8827263	43.075831	-83.506627	Outfall
7806251	43.048332	-83.56017	Outfall
8831759	43.048481	-83.560312	Outfall
8631501	43.049086	-83.805409	Outfall
8631508	43.049269	-83.80514	Outfall
6730301	42.898484	-83.676526	Outfall
7616751	43.007002	-83.761253	Outfall
7616752	43.009388	-83.761554	Outfall
8725255	43.077087	-83.583679	Outfall
8611256	43.115855	-83.719154	Outfall
8835501	43.057277	-83.498397	Outfall
7820513	42.993675	-83.548936	Outfall
7820515	42.992743	-83.54846	Outfall
7711760	43.020229	-83.598507	Outfall
8726512	43.067439	-83.610037	Outfall
7616001	43.013537	-83.768628	Outfall
7616002	43.013506	-83.76855	Outfall
8613106	43.100422	-83.705769	Outfall
9723501	43.1743	-83.618648	Outfall
8726258	43.074631	-83.597123	Outfall
6612259	42.944043	-83.692318	Point of Discharge
7702009	43.041769	-83.612516	Outfall
7636252	42.970626	-83.692863	Point of Discharge
7714016	43.014179	-83.606207	Outfall
7628557	42.973471	-83.768852	Outfall
7629764	42.972879	-83.777578	Outfall
7715757	43.009057	-83.617612	Outfall

OutfallNum	Latitude	Longitude	StructureT
7721254	42.99663	-83.643939	Outfall
7710005	43.028266	-83.630402	Outfall
7710012	43.026292	-83.634919	Outfall
8723505	43.079231	-83.607048	Outfall
6704010	42.959794	-83.644258	Outfall
8715751	43.095052	-83.623542	Outfall
8623751	43.075521	-83.721555	Outfall
8623752	43.075532	-83.721559	Outfall
5616252	42.837173	-83.754504	Outfall
8525504	43.068913	-83.819322	Outfall
6705020	42.954116	-83.669582	Outfall
7830259	42.983395	-83.554749	Outfall
6618754	42.914837	-83.795737	Outfall
8704752	43.120205	-83.643813	Outfall
8709251	43.120013	-83.643731	Outfall
7714012	43.014834	-83.606188	Outfall
9615522	43.17829	-83.746066	Outfall
7701766	43.035078	-83.581136	Outfall
7604755	43.03447	-83.760457	Outfall
6721253	42.914485	-83.641469	Outfall
7825251	42.984486	-83.574739	Outfall
7532501	42.957143	-83.900263	Outfall
7726751	42.981227	-83.596108	Outfall
7728257	42.988814	-83.638112	Outfall
8629759	43.061463	-83.782773	Outfall
8629772	43.064068	-83.780397	Outfall
7625751	42.981117	-83.697631	Outfall
7625755	42.980933	-83.697627	Outfall
7810032	43.030241	-83.509127	Outfall
6621002	42.906824	-83.769697	Outfall
7724760	42.992435	-83.577821	Outfall
8622747	43.078848	-83.74867	Outfall
8611762	43.105761	-83.716174	Outfall
7721251	43.003152	-83.634572	Outfall
7701527	43.033751	-83.587534	Outfall
7701530	43.033964	-83.591944	Outfall
6613751	42.919185	-83.701408	Outfall
5635004	42.792962	-83.722691	Outfall
6722253	42.909058	-83.612115	Outfall
8833008	43.059427	-83.536033	Outfall
8833016	43.059686	-83.532974	Outfall
8833018	43.059814	-83.537173	Outfall
8833020	43.059724	-83.533614	Outfall
8833021	43.059749	-83.533607	Outfall
7804018	43.043559	-83.533144	Outfall
5601001	42.864931	-83.706493	Outfall
9636991	43.137942	-83.694884	Outfall
7702002	43.047415	-83.615802	Outfall

OutfallNum	Latitude	Longitude	StructureT
8526001	43.067395	-83.843464	Point of Discharge
6717753	42.918005	-83.656543	Outfall
7725257	42.987261	-83.578532	Outfall
6601760	42.94479	-83.70208	Outfall
9635761	43.134259	-83.714971	Outfall
9635763	43.134284	-83.714926	Outfall
8833019	43.059413	-83.535611	Outfall
7815501	43.007576	-83.517202	Outfall
7610004	43.029889	-83.754886	Outfall
6608656	42.929683	-83.7806	Outfall
8726501	43.06731	-83.616336	Outfall
7702007	43.045979	-83.614526	Outfall
7806501	43.03822	-83.576217	Outfall
7806517	43.039676	-83.571827	Outfall
7806518	43.039664	-83.571667	Outfall
7806751	43.03894	-83.563179	Outfall
7731007	42.970475	-83.687514	Outfall
7715261	43.010558	-83.617463	Outfall
7723265	43.001094	-83.595111	Outfall
8623749	43.078057	-83.72996	Outfall
8629004	43.070369	-83.784456	Outfall
7605765	43.037288	-83.776685	Outfall
7632415	42.971856	-83.785539	Outfall
7618501	43.005668	-83.808484	Outfall
8523752	43.07624	-83.841575	Outfall
7816252	43.019566	-83.52527	Outfall
7816264	43.016257	-83.522681	Outfall
6602755	42.947413	-83.713982	Outfall
9626008	43.156474	-83.732111	Outfall
8536265	43.055654	-83.813186	Outfall
8536266	43.055634	-83.813141	Outfall
9615513	43.180476	-83.748544	Outfall
8512251	43.114498	-83.818953	Outfall
7721255	43.003996	-83.637007	Outfall
7619751	42.995076	-83.799976	Outfall
8527260	43.072785	-83.857656	Outfall
7628556	42.976283	-83.762116	Outfall
6623001	42.910076	-83.726486	Outfall
8727762	43.065061	-83.623558	Outfall
5602001	42.863344	-83.724574	Outfall
8710757	43.109145	-83.617767	Outfall
8710758	43.109606	-83.618072	Outfall
7723254	42.998981	-83.594987	Outfall
7604237	43.042263	-83.772458	Outfall
7712255	43.033245	-83.581582	Outfall
7712260	43.031446	-83.580999	Outfall
8524517	43.07368	-83.825472	Outfall
6603751	42.949517	-83.73229	Outfall

OutfallNum	Latitude	Longitude	StructureT
8536264	43.054263	-83.814314	Outfall
9616502	43.177894	-83.765656	Point of Discharge
8705751	43.120887	-83.658604	Outfall
7829755	42.978629	-83.545068	Outfall
8523753	43.074559	-83.835552	Outfall
8727756	43.066325	-83.619144	Outfall
8727759	43.067222	-83.616667	Outfall
6708508	42.930806	-83.666922	Outfall
8610751	43.106595	-83.739897	Outfall
8522251	43.08907	-83.860967	Outfall
7822501	42.99679	-83.509101	Outfall
7619001	43.001237	-83.808072	Outfall
7729502	42.980055	-83.670305	Outfall
6602252	42.959129	-83.718751	Outfall
7635751	42.964196	-83.721294	Outfall
7702767	43.040421	-83.596062	Outfall
8634501	43.049212	-83.743614	Outfall
7728755	42.982137	-83.637953	Outfall
7610757	43.021903	-83.739132	Outfall
7819344	42.991997	-83.574844	Outfall
7722003	43.003163	-83.628374	Outfall
7722251	42.998431	-83.618917	Outfall
7722753	42.992393	-83.61456	Outfall
7726001	42.98615	-83.612012	Outfall
6502351	42.9543	-83.831907	Outfall
7625758	42.977924	-83.698356	Outfall
8613248	43.100352	-83.709401	Outfall
8522507	43.077046	-83.86397	Outfall
6704008	42.95289	-83.648971	Outfall
6502355	42.953914	-83.834019	Outfall
7715761	43.008698	-83.617324	Outfall
8629773	43.064661	-83.775349	Outfall
8613103	43.100184	-83.706746	Outfall
7818002	43.012328	-83.573045	Outfall
7628558	42.974788	-83.768189	Outfall
6502255	42.953288	-83.837382	Outfall
6502256	42.95296	-83.839299	Outfall
6502292	42.953622	-83.835627	Outfall
6502454	42.952842	-83.840633	Outfall
6712752	42.932797	-83.574057	Outfall
7733254	42.970703	-83.636596	Outfall
7733258	42.973689	-83.635534	Outfall
8612751	43.111919	-83.696816	Point of Discharge
8720510	43.082545	-83.670849	Outfall
6617252	42.928657	-83.77142	Outfall
6712763	42.93404	-83.576039	Outfall
7622753	42.988698	-83.734592	Outfall
7502251	43.045299	-83.837911	Outfall

OutfallNum	Latitude	Longitude	StructureT
8535755	43.045645	-83.834791	Outfall
6602251	42.959058	-83.718793	Outfall
6602253	42.959047	-83.718792	Outfall
7635752	42.961551	-83.719762	Outfall
6702751	42.949551	-83.603052	Outfall
8720507	43.077662	-83.670543	Outfall
6712256	42.942828	-83.582194	Outfall
7818504	43.006238	-83.570956	Outfall
7819005	43.002619	-83.574441	Outfall
9620751	43.166647	-83.77798	Outfall
7610752	43.017895	-83.740614	Outfall
8614504	43.092642	-83.733116	Outfall
6705520	42.94925	-83.664996	Outfall
6708021	42.941982	-83.664975	Outfall
7714518	43.004271	-83.610813	Outfall
8536262	43.054362	-83.814338	Outfall
8720503	43.082505	-83.668188	Outfall
8720505	43.082463	-83.668206	Outfall
8724752	43.082659	-83.586217	Outfall
7733752	42.965336	-83.634196	Outfall
8634502	43.04707	-83.750243	Outfall
7830251	42.986455	-83.564299	Outfall
7609256	43.029041	-83.75393	Outfall
6719522	42.902279	-83.682875	Outfall
6707501	42.936335	-83.690067	Outfall
7627251	42.986519	-83.741631	Outfall
5622751	42.813883	-83.733452	Outfall
7533002	42.96445	-83.881832	Outfall
9626501	43.153666	-83.725535	Outfall
8614503	43.091976	-83.727481	Outfall
7607503	43.018916	-83.805272	Outfall
6720751	42.90813	-83.656854	Point of Discharge
7536752	42.961292	-83.811373	Outfall
7723258	43.001019	-83.596721	Outfall
7710006	43.028288	-83.629954	Outfall
7633511	42.965541	-83.76863	Outfall
6618252	42.922541	-83.790324	Outfall
5611256	42.856112	-83.717779	Outfall
5616002	42.834209	-83.760868	Outfall
6601007	42.954305	-83.703704	Outfall
7535502	42.964376	-83.849598	Outfall
7625760	42.976896	-83.696181	Outfall
6717751	42.921839	-83.657087	Outfall
7620503	42.990978	-83.782525	Outfall
8515754	43.089439	-83.864929	Outfall
7805006	43.045235	-83.555993	Outfall
7617251	43.016498	-83.775037	Outfall
8725011	43.075835	-83.593239	Outfall

OutfallNum	Latitude	Longitude	StructureT
7618005	43.012572	-83.803692	Outfall
8629774	43.066572	-83.777948	Outfall
7724754	42.995728	-83.584663	Outfall
8524003	43.087768	-83.830284	Outfall
9732251	43.144111	-83.663331	Outfall
9732252	43.144176	-83.66334	Outfall
8828501	43.066902	-83.532651	Outfall
8634503	43.049348	-83.743763	Outfall
8632117	43.057512	-83.782766	Outfall
7736009	42.974013	-83.58569	Outfall
7635002	42.966453	-83.726791	Outfall
7609257	43.029236	-83.753429	Outfall
8524253	43.084239	-83.818303	Outfall
7608001	43.026412	-83.783494	Outfall
6706265	42.95125	-83.675238	Outfall
7714003	43.016157	-83.611349	Outfall
7816271	43.014303	-83.522352	Outfall
8819501	43.083085	-83.568228	Outfall
7620502	42.993911	-83.786128	Outfall
7621001	42.995211	-83.77007	Outfall
7701257	43.044	-83.579699	Outfall
7610008	43.025181	-83.74653	Outfall
7610764	43.022264	-83.744854	Outfall
7605757	43.034596	-83.77774	Outfall
7809303	43.029016	-83.522925	Outfall
7608751	43.018603	-83.777993	Outfall
8621751	43.078318	-83.757924	Outfall
7721758	42.992245	-83.639759	Outfall
6611505	42.933667	-83.725398	Outfall
8721252	43.083661	-83.636278	Outfall
8536263	43.054257	-83.814328	Outfall
6708005	42.940684	-83.663552	Outfall
6708012	42.940668	-83.663554	Outfall
7809002	43.028887	-83.530274	Outfall
7701252	43.042145	-83.584328	Outfall
7712751	43.019301	-83.584385	Outfall
6707005	42.942898	-83.691862	Outfall
6707011	42.941889	-83.691826	Outfall
6707017	42.940432	-83.68862	Outfall
6707019	42.939626	-83.68865	Outfall
6707502	42.935132	-83.688288	Outfall
6707507	42.934249	-83.686603	Outfall
6707510	42.934179	-83.685736	Outfall
6707513	42.93413	-83.684758	Outfall
6707527	42.931122	-83.685521	Outfall
6707541	42.935718	-83.688976	Outfall
6707543	42.934139	-83.685525	Outfall
6707544	42.934182	-83.684768	Outfall

OutfallNum	Latitude	Longitude	StructureT
6707545	42.933307	-83.68469	Outfall
6707546	42.931773	-83.685065	Outfall
6718001	42.929586	-83.682457	Outfall
5525752	42.799165	-83.810587	Outfall
6502294	42.953647	-83.834954	Outfall
6735259	42.887303	-83.595258	Outfall
8630759	43.067472	-83.797638	Outfall
8621251	43.083794	-83.760228	Outfall
8621252	43.085215	-83.755748	Outfall
8723504	43.079233	-83.607032	Outfall
6721757	42.906721	-83.631923	Outfall
6722753	42.904648	-83.611694	Outfall
6723501	42.903703	-83.603	Outfall
7628555	42.975404	-83.766629	Outfall
7735251	42.973086	-83.601419	Outfall
7735252	42.9731	-83.599653	Outfall
7735253	42.973104	-83.599485	Outfall
7735254	42.973127	-83.59876	Outfall
5613501	42.829954	-83.699142	Outfall
5613751	42.829357	-83.696932	Outfall
5613752	42.829356	-83.696957	Outfall
5613753	42.830408	-83.693798	Outfall
5613754	42.829243	-83.691159	Outfall
7810257	43.035055	-83.499744	Outfall
7805007	43.044535	-83.554781	Outfall
7805010	43.044321	-83.553006	Outfall
6623252	42.911578	-83.715747	Outfall
6623254	42.910865	-83.71557	Outfall
6623255	42.908379	-83.71519	Outfall
8710501	43.109626	-83.627462	Outfall
7627751	42.979174	-83.734321	Outfall
7627752	42.978693	-83.734678	Outfall
7703251	43.043541	-83.616284	Point of Discharge
7616003	43.01256	-83.765362	Outfall
7608002	43.026903	-83.783444	Outfall
7608752	43.022198	-83.781547	Outfall
7608753	43.020292	-83.778687	Outfall
7631252	42.968862	-83.796495	Outfall
7726752	42.981174	-83.59624	Outfall
8726251	43.070108	-83.606816	Outfall
7722751	42.990782	-83.62233	Outfall
7722752	42.993887	-83.616086	Outfall
8834005	43.061953	-83.517889	Outfall
8724753	43.077116	-83.587256	Outfall
9614532	43.184698	-83.730655	Outfall
8622749	43.079537	-83.750779	Outfall
8720508	43.077214	-83.668592	Outfall
8720509	43.077214	-83.668616	Outfall

OutfallNum	Latitude	Longitude	StructureT
7608755	43.016679	-83.774998	Outfall
7608754	43.019681	-83.777945	Outfall
6505006	42.954392	-83.906089	Outfall
6710253	42.943464	-83.61801	Outfall
6710254	42.943225	-83.617994	Outfall
6710255	42.942564	-83.618016	Outfall
7524001	43.000658	-83.824731	Outfall
6608298	42.942499	-83.775999	Outfall
6608301	42.942288	-83.776467	Outfall
6608314	42.941606	-83.777892	Outfall
6608317	42.941111	-83.778333	Outfall
6608324	42.940206	-83.779755	Outfall
6608325	42.941281	-83.778209	Outfall
6608326	42.940103	-83.780034	Outfall
6608400	42.943177	-83.774168	Outfall
6608407	42.942103	-83.772422	Outfall
5627003	42.810762	-83.739906	Outfall
5634251	42.791293	-83.732542	Outfall
5634252	42.791293	-83.732527	Outfall
5634270	42.795326	-83.735214	Outfall
5634274	42.791332	-83.731576	Outfall
7627501	42.976933	-83.746572	Outfall
6710522	42.933077	-83.62878	Outfall
6617001	42.922474	-83.790131	Outfall
6705001	42.955003	-83.67261	Outfall
6705004	42.955033	-83.671704	Outfall
6705005	42.954582	-83.669586	Outfall
6705007	42.953848	-83.669528	Outfall
6705013	42.955009	-83.673456	Outfall
6705014	42.955096	-83.671482	Outfall
6705015	42.955099	-83.67047	Outfall
6705016	42.955153	-83.670197	Outfall
6705017	42.952762	-83.669439	Outfall
6705018	42.952152	-83.669592	Outfall
6705019	42.952182	-83.669668	Outfall
6705021	42.953148	-83.669547	Outfall
6706264	42.953543	-83.673359	Outfall
8713001	43.101296	-83.588099	Outfall
8633751	43.052261	-83.753124	Outfall
8632018	43.058598	-83.788319	Outfall
5621751	42.812417	-83.75248	Outfall
6717754	42.918017	-83.656572	Outfall
6610751	42.934154	-83.731587	Outfall
6605257	42.952269	-83.771718	Outfall
8632501	43.051742	-83.786632	Outfall
8632756	43.05227	-83.782465	Outfall
8632757	43.049915	-83.781411	Outfall
8632758	43.049133	-83.779949	Outfall

OutfallNum	Latitude	Longitude	StructureT
9623509	43.165349	-83.734268	Outfall
6605259	42.951086	-83.77158	Outfall
6605783	42.9463	-83.771944	Outfall
5525001	42.80636	-83.81663	Outfall
8613105	43.100201	-83.707839	Outfall
5633001	42.792118	-83.761388	Outfall
5633002	42.793358	-83.759836	Outfall
5633003	42.794579	-83.758504	Outfall
5633004	42.795397	-83.757066	Outfall
8610752	43.106166	-83.734148	Outfall
9615507	43.178631	-83.752629	Outfall
9621751	43.166532	-83.758954	Outfall
6722751	42.904308	-83.615823	Outfall
6716765	42.91661	-83.640781	Outfall
8724754	43.082855	-83.586495	Outfall
9732751	43.14228	-83.658475	Outfall
6710523	42.93056	-83.631487	Outfall
7619002	42.999576	-83.807624	Outfall
7501001	43.045442	-83.822754	Outfall
6704263	42.953391	-83.635483	Outfall
7816270	43.019767	-83.522567	Outfall
6501007	42.955578	-83.827719	Outfall
7536505	42.957817	-83.82461	Outfall
6625752	42.887568	-83.692855	Outfall
6702006	42.953387	-83.612282	Outfall
6702508	42.952385	-83.61149	Outfall
6702524	42.949849	-83.609846	Outfall
6702526	42.949262	-83.609516	Outfall
6702530	42.949209	-83.607473	Outfall
6702533	42.949637	-83.606125	Outfall
6702535	42.949592	-83.606109	Outfall
6702539	42.949818	-83.604529	Outfall
6702550	42.951868	-83.610783	Outfall
6702551	42.951006	-83.610107	Outfall
6702552	42.951022	-83.610027	Outfall
6702553	42.949253	-83.607476	Outfall
6702752	42.94978	-83.601188	Outfall
6609156	42.936236	-83.761138	Outfall
8601005	43.133503	-83.714177	Point of Discharge
5633251	42.793676	-83.752476	Outfall
9833251	43.144425	-83.521057	Outfall
6723007	42.91644	-83.602052	Outfall
7712505	43.021584	-83.591937	Outfall
9614751	43.177775	-83.716919	Outfall
8522252	43.083829	-83.860747	Outfall
8522253	43.082977	-83.86088	Outfall
8522254	43.083685	-83.853711	Outfall
7605005	43.043056	-83.789944	Outfall

OutfallNum	Latitude	Longitude	StructureT
6618251	42.922595	-83.790325	Outfall
8613247	43.100357	-83.709441	Outfall
6501501	42.945848	-83.82284	Outfall
8734763	43.051141	-83.617477	Outfall
7722252	42.999815	-83.62275	Outfall
7722253	42.999847	-83.622729	Outfall
7722254	42.999817	-83.622507	Outfall
7722255	42.999685	-83.621506	Outfall
7722256	42.99966	-83.621498	Outfall
7722258	43.000007	-83.624441	Outfall
7722257	42.999665	-83.621471	Outfall
7621501	42.993336	-83.770488	Outfall
6719513	42.902923	-83.68383	Outfall
6719514	42.902876	-83.68131	Outfall
6719515	42.90293	-83.681337	Outfall
6719523	42.905988	-83.681006	Outfall
6719524	42.902926	-83.682899	Outfall
6719525	42.902688	-83.68509	Outfall
6719526	42.902592	-83.686645	Outfall
6719527	42.902422	-83.688222	Outfall
6719528	42.902919	-83.69002	Outfall
6719529	42.903049	-83.690467	Outfall
6719754	42.900488	-83.679545	Outfall
7631603	42.962408	-83.81085	Outfall
8726516	43.068069	-83.609066	Outfall
6601255	42.958159	-83.700692	Outfall
6728007	42.901054	-83.646089	Outfall
6712769	42.932606	-83.575989	Outfall
6601757	42.945537	-83.694153	Outfall
9628006	43.155702	-83.773871	Outfall
8805251	43.13394	-83.547584	Outfall
7805013	43.0436	-83.550861	Outfall
7805021	43.04264	-83.549027	Outfall
7805252	43.042197	-83.54076	Outfall
7805254	43.042329	-83.547394	Outfall
9636251	43.14592	-83.69491	Outfall
7632416	42.971288	-83.786755	Outfall
6501105	42.954978	-83.829645	Outfall
6502003	42.952444	-83.842204	Outfall
7535501	42.964386	-83.849681	Outfall
7733259	42.969189	-83.64219	Outfall
6701013	42.961145	-83.596733	Outfall
7727757	42.982188	-83.622413	Outfall
7727758	42.975304	-83.620275	Outfall
7632220	42.971875	-83.777199	Outfall
7632281	42.97025	-83.773114	Outfall
7632293	42.971213	-83.772024	Outfall
7807836	43.021655	-83.560928	Outfall

OutfallNum	Latitude	Longitude	StructureT
7807837	43.021597	-83.559196	Outfall
8834004	43.057763	-83.515105	Outfall
9608514	43.195558	-83.789817	Outfall
9617253	43.188161	-83.781423	Outfall
7620501	42.994082	-83.789823	Outfall
7727504	42.975126	-83.631924	Outfall
7502001	43.039499	-83.845158	Outfall
7502002	43.04014	-83.84494	Outfall
6611253	42.942411	-83.712304	Outfall
7830109	42.99041	-83.568984	Outfall
8534762	43.048719	-83.855763	Outfall
7711509	43.02233	-83.60809	Outfall
7628751	42.973099	-83.76116	Outfall
6712257	42.943194	-83.579463	Outfall
6712258	42.943079	-83.577648	Outfall
6712259	42.942961	-83.577386	Outfall
5614502	42.832364	-83.726731	Outfall
5614503	42.833845	-83.723329	Outfall
5614504	42.834081	-83.720856	Outfall
5614505	42.833105	-83.72115	Outfall
5614506	42.831602	-83.720187	Outfall
7622751	42.989499	-83.742162	Point of Discharge
7622752	42.990314	-83.738528	Point of Discharge
5526501	42.80068	-83.841885	Outfall
5526502	42.802595	-83.843497	Outfall
5526503	42.80047	-83.842402	Outfall
5527752	42.801401	-83.8476	Outfall
5527753	42.800449	-83.847341	Outfall
5527754	42.800567	-83.84586	Outfall
5602002	42.863773	-83.721476	Outfall
7821001	43.003549	-83.533633	Outfall
7620751	42.993901	-83.772679	Outfall
7618502	43.003176	-83.807605	Outfall
5614501	42.826791	-83.728171	Outfall
5614507	42.82676	-83.728068	Outfall
7628752	42.978877	-83.755999	Outfall
8522508	43.076965	-83.87113	Outfall
7726253	42.989062	-83.597221	Outfall
7628753	42.980099	-83.752648	Outfall
6710256	42.942062	-83.618035	Outfall
7830255	42.985139	-83.561587	Outfall
7830256	42.985158	-83.561496	Outfall
7607001	43.024705	-83.810172	Outfall
7607501	43.021615	-83.807818	Outfall
7607502	43.018948	-83.805278	Outfall
6704006	42.954045	-83.651936	Outfall
8525258	43.068796	-83.820658	Outfall
8536004	43.059252	-83.82642	Outfall

OutfallNum	Latitude	Longitude	StructureT
7620751	42.987515	-83.777311	Outfall
7618001	43.015092	-83.806818	Outfall
7618002	43.014599	-83.804893	Outfall
7618003	43.014233	-83.803656	Outfall
7618004	43.013205	-83.803654	Outfall
7618006	43.01235	-83.804206	Outfall
7618007	43.01116	-83.806022	Outfall
7618008	43.008927	-83.807256	Outfall
6503501	42.945369	-83.866454	Outfall
6701006	42.954711	-83.592134	Outfall
8605609	43.120269	-83.792496	Outfall
8632109	43.057038	-83.787688	Outfall
8632110	43.058055	-83.787745	Outfall
6706266	42.956348	-83.674698	Outfall
6706254	42.957911	-83.676897	Outfall
6706267	42.957526	-83.677824	Outfall
6706268	42.958219	-83.677174	Outfall
6706269	42.957593	-83.676417	Outfall
6706270	42.953589	-83.673489	Outfall
6706271	42.952734	-83.677098	Outfall
6706272	42.952889	-83.6767	Outfall
5633252	42.793176	-83.750754	Outfall
7821751	42.998077	-83.522571	Outfall
7806507	43.038624	-83.574817	Outfall
7806511	43.03889	-83.574017	Outfall
7806512	43.038906	-83.574099	Outfall
7806516	43.039238	-83.57318	Outfall
7806528	43.039101	-83.568909	Outfall
7806529	43.039095	-83.568861	Outfall
7806530	43.039513	-83.570784	Outfall
7806531	43.039126	-83.567407	Outfall
7524751	42.993548	-83.816387	Outfall
7524752	42.992943	-83.820329	Outfall
7524753	42.98998	-83.818846	Outfall
7619502	42.990593	-83.81043	Outfall
6502293	42.954183	-83.831985	Outfall
6735256	42.886064	-83.594521	Outfall
6735257	42.885847	-83.594152	Outfall
6735258	42.884227	-83.594602	Outfall
6705501	42.951081	-83.669966	Outfall
6705503	42.94954	-83.669351	Outfall
6705504	42.949556	-83.667813	Outfall
6711254	42.939261	-83.595989	Outfall
6711255	42.940095	-83.593686	Outfall
6712002	42.941467	-83.591422	Outfall
7610001	43.027768	-83.744448	Outfall
6711752	42.935843	-83.598995	Outfall
6711757	42.935613	-83.602395	Point of Discharge

OutfallNum	Latitude	Longitude	StructureT
7821754	42.997624	-83.520856	Outfall
6712001	42.942254	-83.591354	Outfall
5623001	42.824628	-83.727321	Outfall
5623002	42.82372	-83.724689	Outfall
5623003	42.824222	-83.723857	Outfall
5623004	42.825424	-83.725012	Outfall
7710754	43.020544	-83.625302	Outfall
7621502	42.992911	-83.764341	Outfall
7621503	42.992925	-83.764335	Outfall
7627001	42.983872	-83.747735	Outfall
8522256	43.084487	-83.853188	Outfall
8534012	43.05649	-83.864426	Outfall
5633754	42.785801	-83.746355	Outfall
7806004	43.048127	-83.574668	Outfall
8831754	43.049149	-83.56458	Outfall
6717253	42.926607	-83.659326	Outfall
7723760	42.991899	-83.60206	Outfall
7710763	43.022218	-83.620223	Outfall
7710775	43.021335	-83.616739	Outfall
7820511	42.994278	-83.548918	Outfall
7820514	42.993259	-83.548815	Outfall
6608066	42.937069	-83.780832	Outfall
6608067	42.937878	-83.780857	Outfall
6608068	42.937963	-83.783434	Outfall
6608104	42.936544	-83.784177	Outfall
6608327	42.939511	-83.780429	Outfall
6608653	42.934738	-83.78074	Outfall
6609155	42.937859	-83.770796	Outfall
7606001	43.041825	-83.807373	Outfall
5617513	42.829327	-83.784651	Outfall
6729103	42.897093	-83.668845	Outfall
6729104	42.897404	-83.666688	Outfall
7828268	42.989275	-83.517914	Outfall
7736503	42.9667	-83.584718	Outfall
5612001	42.849135	-83.704433	Outfall
8535756	43.050622	-83.834375	Outfall
7701253	43.044128	-83.582416	Outfall
7736786	42.961554	-83.577614	Outfall
8536501	43.049819	-83.827399	Outfall
8536502	43.047825	-83.82614	Outfall
8522255	43.081819	-83.861637	Outfall
8523754	43.075699	-83.841553	Outfall
8523755	43.074793	-83.840768	Outfall
8523756	43.074811	-83.839181	Outfall
8523757	43.074808	-83.837498	Outfall
8523758	43.074773	-83.835827	Outfall
6721758	42.908535	-83.636552	Outfall
6721759	42.905482	-83.639194	Outfall

OutfallNum	Latitude	Longitude	StructureT
6721760	42.905069	-83.640497	Outfall
6710252	42.944898	-83.622346	Outfall
8527502	43.063757	-83.866091	Outfall
8527503	43.065149	-83.866009	Outfall
8527696	43.062868	-83.865229	Outfall
8527701	43.065487	-83.865751	Outfall
7810251	43.031531	-83.504918	Outfall
7735005	42.97007	-83.604755	Outfall
7735255	42.969927	-83.603097	Outfall
7735256	42.968664	-83.601141	Outfall
7735355	42.972843	-83.599139	Outfall
7735501	42.967378	-83.604974	Outfall
7735502	42.966502	-83.604991	Outfall
8630758	43.065723	-83.794563	Outfall
7632501	42.965083	-83.788064	Outfall
8536005	43.057118	-83.824515	Outfall
6724001	42.916111	-83.585993	Outfall
7619501	42.993989	-83.807696	Outfall
9615254	43.191302	-83.739658	Outfall
9615255	43.190522	-83.739599	Outfall
9615256	43.189137	-83.739309	Outfall
6708504	42.936684	-83.665011	Outfall
7816752	43.006632	-83.521331	Outfall
7524754	42.989759	-83.821348	Outfall
6729101	42.897019	-83.669121	Outfall
6729102	42.897071	-83.668799	Outfall
7819253	43.003055	-83.560596	Outfall
7819265	43.001523	-83.559929	Outfall
7819267	43.001382	-83.559498	Outfall
7819271	43.000867	-83.559409	Outfall
7819296	42.999401	-83.555775	Outfall
7819351	43.000525	-83.556304	Outfall
7821030	42.999428	-83.531698	Outfall
6617751	42.916146	-83.777675	Outfall
6617752	42.914859	-83.777579	Outfall
6725251	42.897996	-83.581717	Outfall
9608967	43.197547	-83.779101	Outfall
9608977	43.196443	-83.778072	Outfall
9608979	43.196459	-83.778027	Outfall
6729005	42.894767	-83.661384	Outfall
6729014	42.896925	-83.664805	Outfall
6729015	42.898056	-83.663481	Outfall
6729016	42.898059	-83.664548	Outfall
6729017	42.898124	-83.663297	Outfall
7501251	43.039508	-83.822148	Outfall
5613001	42.839515	-83.701509	Outfall
5613002	42.837462	-83.702694	Outfall
5613005	42.836263	-83.702266	Outfall

OutfallNum	Latitude	Longitude	StructureT
5613006	42.835788	-83.699231	Outfall
8834501	43.056847	-83.503314	Outfall
7821026	42.99934	-83.531863	Outfall
7821031	42.999776	-83.535549	Outfall
6701251	42.959302	-83.580189	Outfall
7811515	43.025265	-83.496222	Outfall
6624751	42.903525	-83.69979	Outfall
7501751	43.035989	-83.814517	Outfall
7502501	43.034252	-83.84224	Outfall
7605501	43.035381	-83.787306	Outfall
7605502	43.032899	-83.78719	Outfall
5633752	42.784831	-83.751144	Outfall
6602262	42.953653	-83.718965	Outfall
5616001	42.838635	-83.758316	Outfall
5616251	42.838541	-83.757501	Outfall
6730302	42.896677	-83.671204	Outfall
6701007	42.955297	-83.591762	Outfall
6701008	42.954837	-83.589422	Outfall
6701009	42.955075	-83.588103	Outfall
7804001	43.043074	-83.538138	Outfall
7816501	43.009027	-83.52784	Outfall
7808761	43.022871	-83.540621	Outfall
7808762	43.022896	-83.539438	Outfall
9617255	43.188015	-83.781386	Outfall
6613512	42.918354	-83.706029	Outfall
6621501	42.904852	-83.764432	Outfall
6621502	42.903018	-83.764218	Outfall
6621503	42.902128	-83.764066	Outfall
6621504	42.901867	-83.761027	Outfall
6621505	42.901699	-83.761012	Outfall
6621506	42.900821	-83.760961	Outfall
6703256	42.952413	-83.61888	Outfall
5527751	42.797184	-83.851935	Outfall
5534251	42.793156	-83.846052	Outfall
5616751	42.831611	-83.757219	Outfall
6735251	42.883075	-83.59696	Outfall
6735252	42.883355	-83.595965	Outfall
6735253	42.883465	-83.594798	Outfall
6735254	42.883466	-83.594742	Outfall
6735255	42.882497	-83.593189	Outfall
6736001	42.886729	-83.584548	Outfall
6736002	42.885402	-83.582191	Outfall
6736003	42.881768	-83.590705	Outfall
6736004	42.882659	-83.590974	Outfall
6736005	42.880551	-83.590994	Outfall
6736251	42.883271	-83.577828	Outfall
6736501	42.880407	-83.582195	Outfall
6736502	42.878853	-83.582359	Outfall

OutfallNum	Latitude	Longitude	StructureT
6736503	42.877441	-83.583221	Outfall
6736504	42.876325	-83.584772	Outfall
6736505	42.875351	-83.583442	Outfall
6736506	42.877542	-83.588237	Outfall
6736507	42.879701	-83.588943	Outfall
6736508	42.8792	-83.590415	Outfall
6736751	42.877214	-83.577594	Outfall
6736752	42.875857	-83.579276	Outfall
6736753	42.87502	-83.578679	Outfall
6736754	42.875124	-83.577947	Outfall
6736755	42.874024	-83.575934	Outfall
6729007	42.894388	-83.660729	Outfall
6703501	42.952252	-83.630655	Outfall
6703503	42.950951	-83.628892	Outfall
6623253	42.911266	-83.715207	Outfall
7818757	43.009051	-83.558643	Outfall
7819251	43.004444	-83.560833	Outfall
6712502	42.936505	-83.584991	Outfall
8606757	43.120374	-83.797626	Outfall
9622251	43.170846	-83.739936	Point of Discharge
6609153	42.941723	-83.770172	Outfall
7735757	42.967184	-83.60021	Outfall
7735758	42.967785	-83.601177	Outfall
7735759	42.96708	-83.600274	Outfall
7735760	42.965648	-83.598483	Outfall
7804016	43.043056	-83.533056	Outfall
7803001	43.046888	-83.516415	Outfall
6614502	42.917925	-83.723261	Outfall
6614503	42.919024	-83.724925	Outfall
6614504	42.920249	-83.723705	Outfall
6719755	42.905232	-83.676921	Outfall
6719756	42.903997	-83.680761	Outfall
5613003	42.837021	-83.703134	Outfall

GCDC WWS

OutfallNum	Latitude	Longitude	StructureT
8726503	43.067324	-83.61623	Outfall

GCP&R

OutfallNum	Latitude	Longitude	StructureT
8715251	43.101179	-83.621108	Outfall
8715252	43.099311	-83.621517	Outfall
8716502	43.091768	-83.647676	Outfall
8716503	43.09184	-83.650982	Outfall
8716504	43.091978	-83.65244	Outfall
8716505	43.092897	-83.652947	Outfall

OutfallNum	Latitude	Longitude	StructureT
8721001	43.086146	-83.652437	Outfall
8721002	43.087394	-83.650126	Outfall
8721003	43.08794	-83.649795	Outfall
8721004	43.08804	-83.649736	Outfall
8721505	43.076828	-83.650538	Outfall

GCRC

OutfallNum	Latitude	Longitude	StructureT
5526001	42.80696	-83.83957	Outfall
5527251	42.805489	-83.85496	Outfall
5527252	42.805455	-83.855154	Outfall
5527253	42.803543	-83.854408	Outfall
5527254	42.803621	-83.854228	Outfall
5535251	42.790796	-83.834397	Outfall
5535252	42.788641	-83.834243	Outfall
5535501	42.786777	-83.836344	Outfall
5602495	42.870845	-83.711625	Outfall
5613004	42.836397	-83.702398	Outfall
5614508	42.826677	-83.728102	Outfall
5616753	42.829256	-83.749677	Outfall
5616754	42.829146	-83.749514	Outfall
5620255	42.820394	-83.767688	Outfall
5620256	42.82021	-83.767648	Outfall
5621001	42.820409	-83.767519	Outfall
5621002	42.820278	-83.7675	Outfall
5621004	42.820172	-83.767458	Outfall
5627009	42.807671	-83.737831	Outfall
5633005	42.789374	-83.764392	Outfall
5633006	42.789369	-83.763971	Outfall
5633501	42.7894	-83.760874	Outfall
5633504	42.789207	-83.764491	Outfall
5633505	42.789199	-83.764276	Outfall
5634267	42.792855	-83.733029	Outfall
5634271	42.792852	-83.732874	Outfall
5634272	42.792701	-83.732841	Outfall
5634275	42.792719	-83.732908	Outfall
6503502	42.945417	-83.864881	Outfall
6503503	42.945391	-83.864923	Outfall
6503504	42.945402	-83.864835	Outfall
6516502	42.918829	-83.890089	Outfall
6517757	42.918797	-83.890348	Outfall
6601253	42.959378	-83.694158	Outfall
6601254	42.959385	-83.694211	Outfall
6603501	42.943938	-83.745307	Outfall
6604001	42.958176	-83.766889	Outfall
6604002	42.958187	-83.767092	Outfall
6604003	42.958214	-83.764292	Outfall

OutfallNum	Latitude	Longitude	StructureT
6604004	42.958202	-83.764081	Outfall
6604766	42.943818	-83.753758	Outfall
6605256	42.952704	-83.771607	Outfall
6605258	42.95188	-83.771599	Outfall
6605260	42.951266	-83.771583	Outfall
6605261	42.951029	-83.771622	Outfall
6608401	42.943237	-83.772798	Outfall
6608409	42.94224	-83.771281	Outfall
6608410	42.942177	-83.771297	Outfall
6608751	42.933538	-83.77091	Outfall
6608752	42.933547	-83.770931	Outfall
6609150	42.94202	-83.770931	Outfall
6609151	42.942074	-83.770896	Outfall
6609251	42.943508	-83.75383	Outfall
6609501	42.933758	-83.770686	Outfall
6610001	42.943684	-83.743896	Outfall
6611251	42.943945	-83.714792	Outfall
6612260	42.944097	-83.692313	Outfall
6614501	42.915001	-83.721228	Outfall
6614752	42.91913	-83.715819	Outfall
6614753	42.918889	-83.715833	Outfall
6618304	42.928163	-83.795408	Outfall
6618758	42.913761	-83.794765	Outfall
6618759	42.913739	-83.794214	Outfall
6625753	42.885927	-83.693042	Outfall
6701751	42.946936	-83.575651	Outfall
6701752	42.946987	-83.575749	Outfall
6702001	42.953608	-83.613355	Outfall
6702002	42.953658	-83.613375	Outfall
6703253	42.95365	-83.613536	Outfall
6703254	42.953589	-83.613556	Outfall
6704251	42.960278	-83.638889	Outfall
6704254	42.957909	-83.634055	Outfall
6704270	42.960291	-83.639123	Outfall
6704271	42.9561	-83.635538	Outfall
6704272	42.957563	-83.634192	Outfall
6705022	42.953966	-83.66951	Outfall
6707001	42.943534	-83.691898	Outfall
6707003	42.943235	-83.691879	Outfall
6707006	42.942751	-83.691884	Outfall
6707007	42.942455	-83.691889	Outfall
6707008	42.942114	-83.691842	Outfall
6707010	42.941889	-83.691863	Outfall
6707030	42.943954	-83.691949	Outfall
6707547	42.931117	-83.685513	Outfall
6707548	42.930893	-83.685478	Outfall
6708502	42.934141	-83.662239	Outfall
6708503	42.93419	-83.66219	Outfall

OutfallNum	Latitude	Longitude	StructureT
6708751	42.934096	-83.662011	Outfall
6708752	42.934205	-83.662011	Outfall
6711754	42.93575	-83.59751	Outfall
6711755	42.93587	-83.59756	Outfall
6712751	42.932727	-83.574069	Outfall
6712753	42.932605	-83.573825	Outfall
6712754	42.932676	-83.573644	Outfall
6712755	42.936386	-83.58248	Outfall
6712758	42.935042	-83.582396	Outfall
6712764	42.933896	-83.575685	Outfall
6712767	42.933323	-83.581697	Outfall
6712768	42.933587	-83.578451	Outfall
6717254	42.92646	-83.659244	Outfall
6717255	42.92646	-83.65914	Outfall
6721753	42.906955	-83.633677	Outfall
6721754	42.906962	-83.633469	Outfall
6721755	42.906856	-83.633668	Outfall
6721756	42.906858	-83.63347	Outfall
6722003	42.912567	-83.623829	Outfall
6722004	42.912616	-83.623776	Outfall
6722252	42.909033	-83.612277	Outfall
6724751	42.909566	-83.581454	Outfall
6728253	42.900923	-83.640278	Outfall
6728254	42.900919	-83.640103	Outfall
6729253	42.898384	-83.655969	Outfall
6729254	42.89851	-83.655991	Outfall
6729255	42.896238	-83.655667	Outfall
6729262	42.893805	-83.652552	Outfall
6729263	42.89861	-83.655705	Outfall
6729509	42.88629	-83.66541	Outfall
6730251	42.900359	-83.679363	Outfall
6807252	42.944433	-83.554472	Outfall
6808003	42.944444	-83.554167	Outfall
7502003	43.045195	-83.851285	Outfall
7502004	43.04521	-83.851122	Outfall
7502252	43.03871	-83.832241	Outfall
7502253	43.038573	-83.832238	Outfall
7511753	43.020954	-83.831915	Outfall
7511755	43.020525	-83.831922	Outfall
7524501	42.991642	-83.830986	Outfall
7524502	42.990154	-83.830983	Outfall
7604004	43.038841	-83.768064	Outfall
7604231	43.044352	-83.773309	Outfall
7604233	43.044125	-83.773407	Outfall
7604235	43.043774	-83.773408	Outfall
7604247	43.039797	-83.770249	Outfall
7604249	43.039755	-83.770829	Outfall
7604753	43.035083	-83.761259	Outfall

OutfallNum	Latitude	Longitude	StructureT
7604754	43.034458	-83.758704	Outfall
7604756	43.033559	-83.757006	Outfall
7605253	43.045848	-83.774153	Outfall
7609751	43.023346	-83.753244	Point of Discharge
7616004	43.01517	-83.772805	Outfall
7617252	43.015199	-83.773192	Outfall
7618009	43.0123	-83.81205	Outfall
7632222	42.972673	-83.780619	Outfall
7632282	42.971296	-83.772014	Outfall
7632284	42.971309	-83.772061	Outfall
7632292	42.972279	-83.781316	Outfall
7633103	42.971197	-83.771711	Outfall
7633509	42.958377	-83.766795	Outfall
7633510	42.958387	-83.766963	Outfall
7635001	42.968147	-83.724022	Point of Discharge
7635754	42.95926	-83.718769	Outfall
7636254	42.973309	-83.692932	Point of Discharge
7702010	43.047486	-83.615791	Outfall
7702011	43.047344	-83.615807	Outfall
7710780	43.020832	-83.617238	Point of Discharge
7726508	42.975389	-83.610884	Outfall
7726509	42.975383	-83.610739	Outfall
7735001	42.975209	-83.610769	Outfall
7735002	42.975194	-83.610387	Outfall
7736001	42.975598	-83.590039	Outfall
7736002	42.975597	-83.590099	Outfall
7736008	42.973984	-83.586234	Outfall
7736751	42.961425	-83.580845	Outfall
7736753	42.961406	-83.580915	Outfall
7802502	43.036836	-83.498203	Outfall
7802503	43.036951	-83.498226	Outfall
7803757	43.03695	-83.498416	Outfall
7803758	43.036852	-83.49842	Outfall
7805001	43.045272	-83.55699	Outfall
7805002	43.045204	-83.556998	Outfall
7806003	43.048121	-83.574772	Outfall
7806252	43.048333	-83.560278	Outfall
7806265	43.045274	-83.557242	Outfall
7806266	43.045195	-83.55723	Outfall
7807517	43.019357	-83.566316	Outfall
7808758	43.027109	-83.537584	Outfall
7808765	43.023399	-83.53746	Outfall
7808767	43.023349	-83.537507	Outfall
7809501	43.027092	-83.537428	Outfall
7809503	43.023384	-83.53723	Outfall
7809504	43.023358	-83.537223	Outfall
7810258	43.035069	-83.499751	Outfall
7810260	43.035068	-83.499833	Outfall

OutfallNum	Latitude	Longitude	StructureT
7810261	43.028241	-83.498416	Outfall
7816263	43.016294	-83.522685	Outfall
7816266	43.015863	-83.52239	Outfall
7816267	43.014927	-83.522367	Outfall
7816268	43.014285	-83.522336	Outfall
7816272	43.014282	-83.522373	Outfall
7817501	43.009762	-83.555294	Outfall
7817502	43.009858	-83.555271	Outfall
7817512	43.00538	-83.549289	Outfall
7818021	43.019195	-83.56631	Outfall
7818501	43.011336	-83.572676	Outfall
7818502	43.011357	-83.572575	Outfall
7818507	43.011515	-83.572611	Outfall
7818508	43.011527	-83.572745	Outfall
7818751	43.011594	-83.562264	Outfall
7818771	43.009856	-83.555629	Outfall
7818774	43.01178	-83.562092	Outfall
7818775	43.011765	-83.562427	Outfall
7819348	42.990557	-83.573655	Outfall
7819349	42.990542	-83.573738	Outfall
7820001	43.005254	-83.54884	Outfall
7821251	42.99992	-83.526589	Outfall
7821252	43.000018	-83.526604	Outfall
7829003	42.990673	-83.54824	Outfall
7830095	42.990389	-83.573394	Outfall
7830096	42.990374	-83.573512	Outfall
7830110	42.990405	-83.568374	Outfall
7830257	42.985012	-83.561577	Outfall
7830258	42.985012	-83.561503	Outfall
7830503	42.975961	-83.571306	Outfall
7830505	42.975962	-83.57126	Outfall
7830506	42.975952	-83.571279	Outfall
8501516	43.11802	-83.826656	Outfall
8501753	43.119877	-83.813792	Outfall
8512239	43.11776	-83.826802	Outfall
8512240	43.117768	-83.826671	Outfall
8512509	43.103451	-83.825265	Outfall
8512780	43.103571	-83.819511	Outfall
8513000	43.103292	-83.825186	Outfall
8513001	43.098762	-83.82859	Outfall
8513002	43.098609	-83.828604	Outfall
8513003	43.103281	-83.825039	Outfall
8513497	43.097802	-83.813679	Outfall
8513499	43.097896	-83.813681	Outfall
8513504	43.089523	-83.833422	Outfall
8513505	43.089506	-83.833306	Outfall
8513751	43.089374	-83.820891	Outfall
8513753	43.089378	-83.820828	Outfall

OutfallNum	Latitude	Longitude	StructureT
8513999	43.094078	-83.813678	Outfall
8514003	43.101489	-83.853033	Outfall
8514004	43.101456	-83.853043	Outfall
8515252	43.10152	-83.853165	Outfall
8515253	43.101484	-83.853166	Outfall
8523759	43.076929	-83.842828	Point of Discharge
8524001	43.089305	-83.833411	Outfall
8524002	43.089321	-83.833299	Outfall
8524251	43.089235	-83.820885	Outfall
8524252	43.089231	-83.820814	Outfall
8524504	43.078269	-83.831132	Outfall
8524505	43.078504	-83.831186	Outfall
8527698	43.065616	-83.865136	Outfall
8527700	43.065666	-83.865187	Outfall
8527703	43.065572	-83.865327	Outfall
8527704	43.065357	-83.865125	Outfall
8534759	43.047787	-83.852523	Outfall
8534761	43.047701	-83.852517	Outfall
8534770	43.049798	-83.862198	Outfall
8535501	43.047792	-83.85229	Outfall
8535503	43.047685	-83.85227	Outfall
8535505	43.045354	-83.851144	Outfall
8535507	43.045355	-83.851289	Outfall
8536011	43.057004	-83.831885	Outfall
8536012	43.056836	-83.831993	Outfall
8536013	43.054747	-83.82416	Outfall
8536503	43.045579	-83.822779	Outfall
8536751	43.05027	-83.813244	Outfall
8601001	43.13367	-83.714258	Point of Discharge
8601003	43.133581	-83.714244	Point of Discharge
8601009	43.130323	-83.710599	Point of Discharge
8601011	43.130324	-83.710681	Point of Discharge
8601501	43.126693	-83.706915	Point of Discharge
8601503	43.126687	-83.706967	Point of Discharge
8601505	43.126564	-83.706781	Point of Discharge
8601507	43.126568	-83.706814	Point of Discharge
8602251	43.133702	-83.714375	Point of Discharge
8602253	43.13367	-83.71438	Point of Discharge
8605597	43.119838	-83.784969	Outfall
8605599	43.119557	-83.786201	Outfall
8605601	43.119642	-83.786468	Outfall
8606503	43.119867	-83.813606	Outfall
8606761	43.118746	-83.797586	Outfall
8607001	43.118021	-83.812805	Outfall
8607002	43.118005	-83.812677	Outfall
8607253	43.118508	-83.797718	Outfall
8614237	43.104042	-83.729079	Outfall
8614239	43.10404	-83.72896	Outfall

OutfallNum	Latitude	Longitude	StructureT
8615001	43.104344	-83.745368	Outfall
8615002	43.104343	-83.745252	Outfall
8618747	43.089305	-83.813115	Outfall
8618749	43.08931	-83.813029	Outfall
8619101	43.083392	-83.810398	Outfall
8619102	43.083399	-83.810304	Outfall
8619229	43.089101	-83.813089	Outfall
8619231	43.089109	-83.812994	Outfall
8619247	43.083519	-83.810526	Outfall
8619249	43.083508	-83.810347	Outfall
8619501	43.078295	-83.808953	Outfall
8621491	43.086358	-83.753743	Outfall
8621497	43.089882	-83.755071	Outfall
8621499	43.089885	-83.755002	Outfall
8621749	43.075169	-83.771808	Outfall
8622247	43.086362	-83.753512	Outfall
8622249	43.086435	-83.753529	Outfall
8623001	43.08945	-83.726504	Outfall
8628001	43.075	-83.7718	Outfall
8628003	43.075	-83.771667	Outfall
8629001	43.074946	-83.787713	Outfall
8629002	43.074934	-83.787751	Outfall
8629005	43.067731	-83.785155	Outfall
8629006	43.06774	-83.785104	Outfall
8629501	43.067597	-83.785152	Outfall
8629503	43.067601	-83.785034	Outfall
8629751	43.060563	-83.782793	Outfall
8629753	43.060572	-83.782666	Outfall
8630251	43.067631	-83.797533	Outfall
8630252	43.067636	-83.797818	Outfall
8630751	43.067488	-83.797737	Outfall
8630753	43.06751	-83.795313	Outfall
8631509	43.051255	-83.812812	Outfall
8632001	43.060326	-83.782769	Outfall
8632003	43.060326	-83.78269	Outfall
8632751	43.045996	-83.774036	Outfall
8702252	43.136111	-83.598847	Outfall
8711751	43.106183	-83.606805	Outfall
8721251	43.084044	-83.636746	Outfall
8722001	43.085472	-83.636553	Outfall
8722754	43.078561	-83.616957	Outfall
8723501	43.078586	-83.616701	Outfall
8723502	43.07859	-83.616712	Outfall
8723503	43.078547	-83.616697	Outfall
8725001	43.074685	-83.596971	Outfall
8725002	43.074606	-83.596982	Outfall
8726257	43.074667	-83.597203	Outfall
8726502	43.067275	-83.616333	Outfall

OutfallNum	Latitude	Longitude	StructureT
8727760	43.067266	-83.616679	Outfall
8727761	43.067259	-83.616669	Outfall
8734755	43.05134	-83.617325	Outfall
8734756	43.051132	-83.61716	Outfall
8734757	43.051132	-83.616877	Outfall
8734760	43.050231	-83.616108	Outfall
8734761	43.05022	-83.616091	Outfall
8735502	43.050267	-83.615861	Outfall
8827266	43.076718	-83.49909	Outfall
8828502	43.063335	-83.535852	Outfall
8828755	43.063429	-83.525734	Outfall
8830751	43.062985	-83.563095	Outfall
8830752	43.062982	-83.563193	Outfall
8831251	43.060423	-83.557615	Outfall
8831252	43.060348	-83.557607	Outfall
8831501	43.048305	-83.574661	Outfall
8831502	43.048299	-83.574444	Outfall
8831758	43.048478	-83.56039	Outfall
8832007	43.060352	-83.557396	Outfall
8832008	43.060432	-83.5574	Outfall
8833004	43.063093	-83.535854	Outfall
8833005	43.063091	-83.535758	Outfall
8833257	43.063173	-83.52572	Outfall
9603010	43.218698	-83.745428	Outfall
9603251	43.221383	-83.740783	Outfall
9603252	43.221394	-83.737585	Point of Discharge
9608501	43.191914	-83.792019	Outfall
9608751	43.191909	-83.780881	Outfall
9608770	43.194784	-83.774485	Outfall
9608997	43.194866	-83.774505	Outfall
9608999	43.194749	-83.774503	Outfall
9610497	43.204013	-83.73489	Outfall
9610499	43.204043	-83.734904	Outfall
9610501	43.19205	-83.749213	Point of Discharge
9610502	43.192049	-83.754199	Point of Discharge
9610751	43.192058	-83.739708	Outfall
9610753	43.192014	-83.739664	Outfall
9610758	43.192039	-83.743225	Outfall
9611977	43.19358	-83.71492	Outfall
9611979	43.19351	-83.71492	Outfall
9611993	43.1978	-83.72222	Outfall
9611999	43.197718	-83.722341	Outfall
9613501	43.1818	-83.714697	Outfall
9614766	43.181816	-83.714937	Outfall
9615257	43.19187	-83.739703	Outfall
9615258	43.191872	-83.739628	Outfall
9616251	43.191788	-83.754441	Point of Discharge
9616997	43.1822	-83.7544	Outfall

OutfallNum	Latitude	Longitude	StructureT
9616999	43.1825	-83.7544	Outfall
9617251	43.191721	-83.780673	Outfall
9617252	43.191755	-83.781173	Outfall
9617257	43.184621	-83.774486	Outfall
9617751	43.184491	-83.778073	Outfall
9617762	43.184477	-83.778014	Outfall
9620253	43.176933	-83.774517	Outfall
9620255	43.176937	-83.774466	Outfall
9621752	43.16292	-83.76288	Outfall
9621753	43.16288	-83.76268	Outfall
9626001	43.162752	-83.729297	Outfall
9626005	43.155704	-83.725693	Outfall
9626007	43.155708	-83.725555	Outfall
9627501	43.14828	-83.74429	Outfall
9627503	43.148294	-83.744218	Outfall
9627511	43.15162	-83.75391	Outfall
9627513	43.15158	-83.75391	Outfall
9628751	43.15155	-83.75412	Outfall
9634103	43.148185	-83.744213	Outfall
9732752	43.142203	-83.658446	Outfall
9827758	43.151706	-83.504114	Outfall