



Phase II Municipalities Public Education Reporting

On behalf of:

Burton
Davison Twp
Flint Twp
Genesee County
Linden
Swartz Creek

Clio
Fenton
Flushing
Grand Blanc
Mt. Morris
Vienna Twp

Davison
Fenton Twp
Genesee Twp
Grand Blanc Twp
Mt Morris Twp

***March 1, 2023 – February 29, 2024
Reporting Period***

Prepared by:

***The Genesee County Drain Commissioner SWM
On behalf of Genesee County and contracted Communities***

This report summarizes activities completed for the period from March 1, 2023, to December 2023, 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. This report is broken into sections to coincide with the MI Waters website.

- PPP
- **PEP- Public Education Activities**
- IDEP
- General Permit Requirements

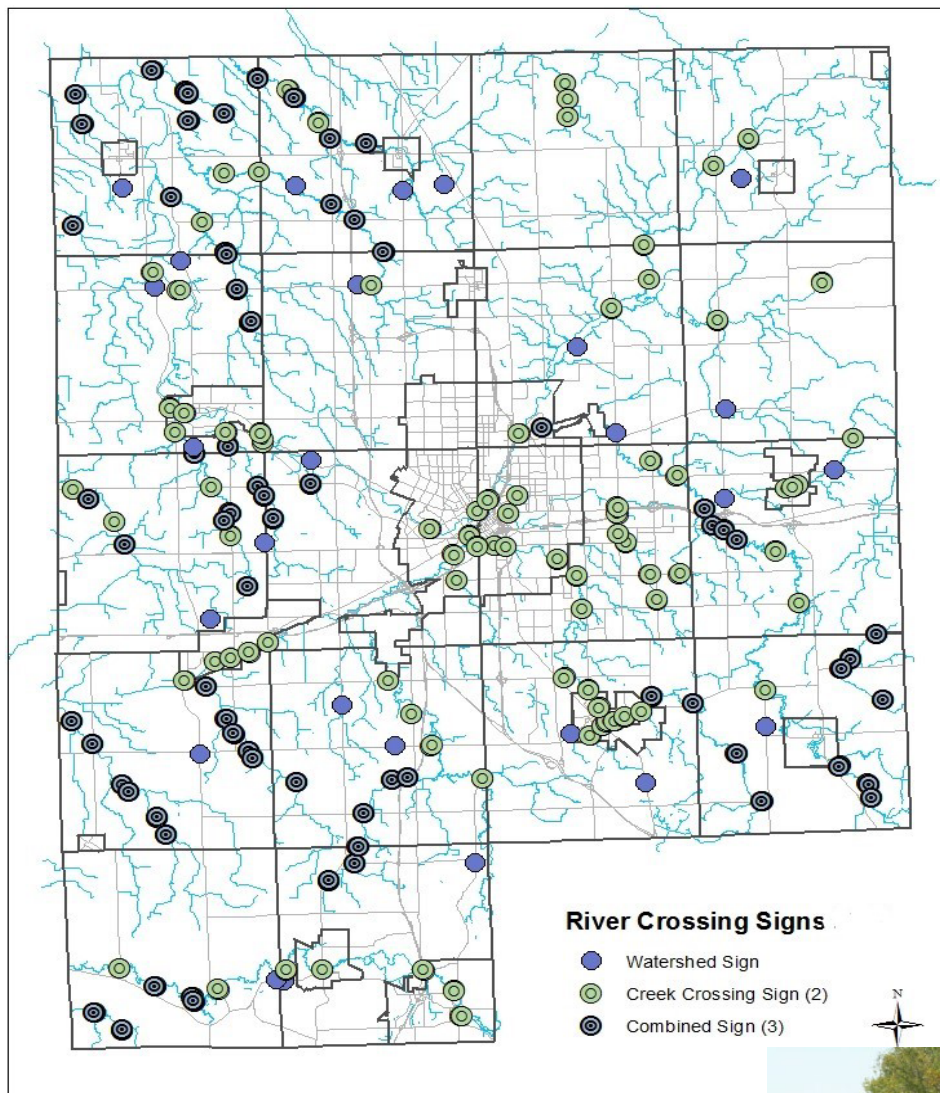
Reporting Period update of implementation of Table 2

The County and some Communities applied for a new Permit Application in April 2023 and the rest listed on the cover will be in April 2024. Currently we are doing all the activities through 2024. Starting in 2025 the following below changes will be in effect. A streamlined Table 2 for the new Permit Application with the following changes has been submitted:

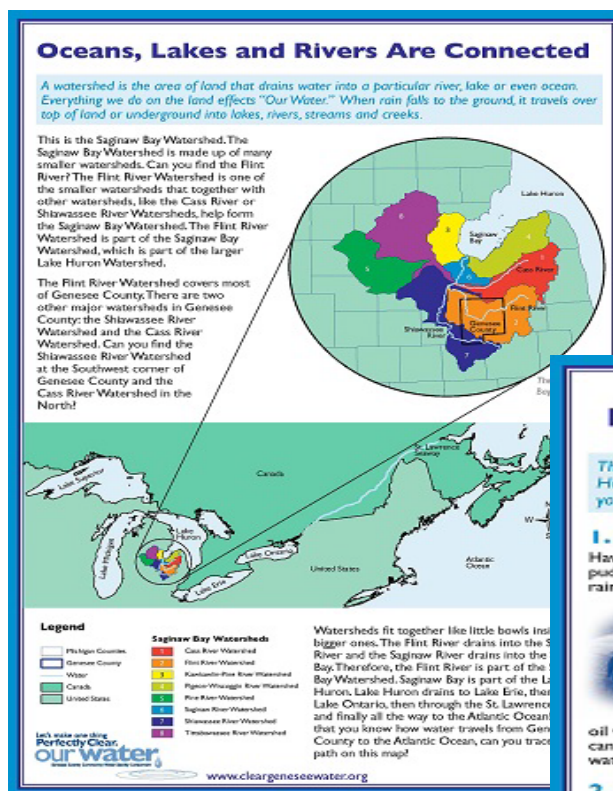
- Watershed Maps- activity removed. Although the maps are still available, this program does not reach very many people. Actions A through F are being met under other activities.
- Articles/Publications on PEP topics- activity removed. Although articles and publications may still be done by our partners and permittees, tracking this activity is difficult. Actions A through G are being met under other activities.
- Educational materials (Septic Systems Brochure) - activity removed. Although the brochures exist and may continue to be provided to 3rd parties to distribute, tracking has proven to be difficult. Actions C, G & H are being met under other activities.
- Canoe trips on the river- activity removed. Although, our partner Flint River Watershed Coalition (FRWC) and other 3rd party organizations will continue watershed stewardship efforts by getting residents on the water, the cost per activity is high, and participation has a lot of repeat canoers. Actions A, B & J are being met under other activities.
- Brochure for riparian landowners on landscape improvements to protect waterways- activity removed. Although the brochures exist and may continue to be available at events turnout for training was minimal. Actions A, B, I, & J are being met under other activities.
- IDEP and Good Housekeeping Training & Videos- activity removed. The prerecorded training videos are available to the permittees. Permittees may request scheduling a live training. Since IDEP and good housekeeping training are required in other sections of this permit, it is not necessary to be included in Table 2.
- Facebook: activity added. In 2021 it was discussed to have a social media presence.

Road and Stream Crossings and Watershed Signs (Topics 1 & 2 in progress report)

- Signage installation target was 200 sites with more than 400 signs. There are 216 sites with 409 signs.
- In this reporting period, no additional signs were placed.
- All other signs reviewed by field staff during their regular duties throughout the year. No repairs found necessary in this reporting period. Signs that are not gotten to are being viewed on Google street view for condition
- Signage increases public awareness.
- Private organizations have been placing “adopt a river” signs along the Shiawassee.



Watershed Maps: (Topics 1 thru 6 in progress report)



- Series of 8 posters
 - For school education
 - Distributed hard copy by request. None in this reporting period.
 - Available electronically at <http://www.cleargeneseeewater.org/teachers.html>
- All of the website data is located on page 10.
- Below are examples of some of the posters available

How you can help keep our water clean

There are seven simple steps to clean water. How many of these seven simple steps did you do this week?

1. Practice good car care.

Have you ever noticed a rainbow colored puddle on a parking lot or the street? The rainbow colors that you see are caused by petroleum products like oil and gas. Car oil does not mix with water; it sits on top of water. Cars leak

oil when they are broken. A single drop of oil can pollute many gallons of water! To keep our water clean, keep cars fixed.

2. Fertilize sparingly & carefully.

Storm drains found in streets and yards go into our lakes and streams. So, when we fertilize our lawn we could also be fertilizing our lakes and streams. Fertilizer is good for our lawn, but it is bad for our water.

3. Clean up after your pet.

Did you know that pet waste has bad bacteria in it that can make animals and humans sick? To keep our water clean, pick up the



put it in the trash.

water on our yards. Pollution into storm drains and lakes.

5. Choose earth-friendly landscaping.



The chemicals we put on our lawns and gardens to kill weeds can pollute our lakes and rivers if washed into storm drains.

6. Carefully store & dispose of household cleaners, chemicals, & oil.

Did you know that many household cleaners and chemicals can be dangerous to us, our pets, and the environment if they are not thrown away properly? These materials pollute our waterways if washed or dumped into storm drains.



7. Keep pollution out of storm drains.

Storm drains and roadside ditches lead to our lakes and streams. So, any oil, pet waste, leaves or dirty water from washing your car that enters a storm drain will get into our lakes and streams.



The car oil I spill on the parking lot and the napkin I drop in the street are not a lot. When added to everyone else's spills and litter, it adds up to create a big problem!

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

www.cleargeneseeewater.org

In What Sub-Watershed Is Your School Located?

This map shows your school. Can you find it? Are there any nearby rivers, streams or creeks?

In what sub-watershed is your school located?

As townships, towns and cities grow, more roads and parking lots have to be built. However, when it rains or snows, pavement does not soak up water. Do you see any paved parking lots or roads outside your school?

Unfortunately as clean rain or snow melt (also called storm water) flows over pavement or the ground, it picks up and carries with it pollution like dirt, litter, oil, leaves and animal waste into storm drains. Where does storm water go after it flows into a storm drain?

The storm water that enters storm drains flows directly to our lakes, rivers and streams, carrying all the pollution it has picked up along the way. Common pollutants that wash into our lakes, rivers and streams in storm water include:

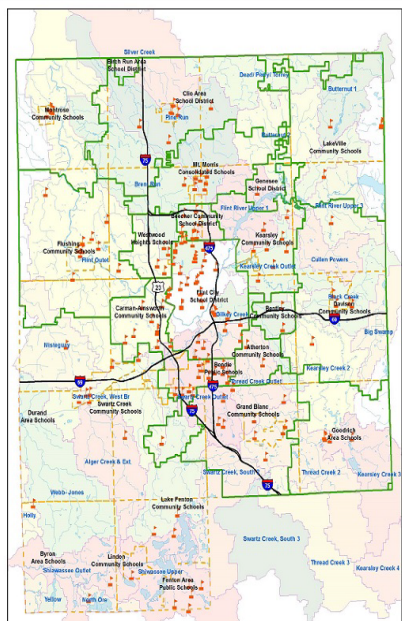
- Car fluids such as motor oil or gas
- Chemicals used to kill weeds or fertilizers to grow lawns and gardens
- Pet wastes
- Litter
- Soil from bare ground where vegetation has been removed or killed

When polluted storm water enters our lakes and rivers, it can cause many problems:

- The plants and animals that live nearby may become sick.
- The humans who drink the water or use it for swimming may become sick.
- The humans who live next to water may notice a bad odor or excessive growth of algae.
- The humans or animals that eat the fish from that polluted water might get sick.

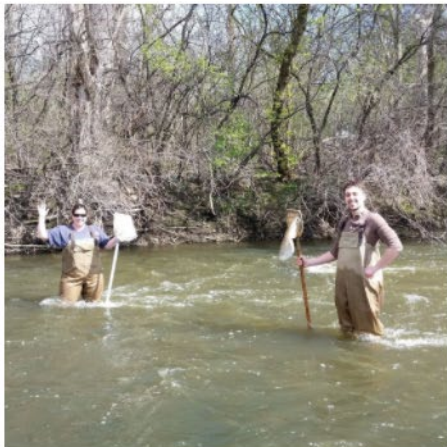
Let's make one thing **Perfectly Clear.**
our water.
Genesee County Community Water Quality Council

This is why we need to work together and follow the seven simple steps to keep our water clean!
www.cleargeneseeewater.org



Benthic Monitoring Program (Topics 1 & 2 progress report)

- Bi annual testing is performed by volunteers.
- FRWC provides coordination and training
- Testing is done at 30 sites throughout the Flint Water Shed (18 within Genesee County)
- Project GREEN also introduces Benthic Monitoring to the students.
- **Detailed information on sites tested and surveyed are on page 1 & 2 of Attachment A**



Water Monitoring

FRWC hosts annual trainings for those interested in joining our team of volunteer water monitors. After the training, which includes basic identifications of the critters we collect during monitoring, volunteers may sign up to be a citizen scientist at any of our 35 monitoring sites.

Trainings available spring through fall as weather permits.



Winter Stonefly Hunt

Environmental monitoring happens year round, as certain stoneflies emerge in the winter to mate. This is the best time to find the bio-indicators. They don't fly, rather they crawl along surfaces and attract mates by drumming their abdomens on the surface of rocks.

Look for more information on our Winter Stonefly Hunt each winter.



Vernal Pool Patrol

Vernal pools, also called vernal ponds or ephemeral pools, are seasonal pools of water that provide habitat for distinctive plants and animals. By monitoring these wetlands, we can determine the overall health of our watershed - but we can't do it without your help.

Check back each spring for more details on our Vernal Pool Patrols.

Project GREEN Water Quality Monitoring Program (topic 1 thru 7 in progress report)

- Annual testing of the Flint and Shiawassee Rivers by students
- Mentors go into classrooms to discuss water health, watersheds, and how we impact water.
- Teachers and mentors take students out to river to do chemical testing on water.
- Testing results are compiled and analyzed.
- Students got together at a virtual symposium and share results in presentations drawing conclusions to why the results show good or bad results.
- Additional education on www.flintriverGREEN.org See Below for screen shots.
- Additional information on the Flint River Watershed Coalition visits www.FlintRiver.org
- **Detailed information on school detail and educators are on page 3 of Attachment A**
- Number of Hits on Clear Genesee Water.org for this program. All website data is on page 10.
- Face-to-face water quality testing refresher and mentor meetup: **March 7, 2023, 4-6:30pm**
- Spring supplies delivered at testing refresher or no later than **March 10, 2023.**
- Spring Testing Window: **April 17-May 5, 2023** (Strict)
- GREEN Student Summit will be in late **May 25, 2023**
- All supplies and data due back to FRWC office: No later than **June 9, 2023**
- Green Professional Development Day was held at Willows Ecology Education Center at 231 Lake Drive, Lapeer for teachers and mentors on **February 6, 2024 from 8:30-3:00**



GREEN

This flagship citizen science program provides training and resources to teachers who engage students in scientific inquiry at their local streams. View past years' data [here](#).



BRIDGES

This middle school curriculum and teacher coaching program immerses students in their communities for 12 weeks as they use claim, evidence and reasoning to solve environmental issues



AFTER SCHOOL

This abbreviated program allows after school groups to engage in STEM skills while building community awareness of our water resources alongside trained educators

Visit www.flintrivergreen.org to learn more about the program including site information.

Site Info

Site Name:

Flint River @ Steeping Stone Falls

Site Description:

Upstream from foot bridge crossing the Flint River near the intersection of Bray Rd. and Carpenter R.

Enter: Address in searchbox or click on map.

(43.077337533316395, -83.6543732509017)

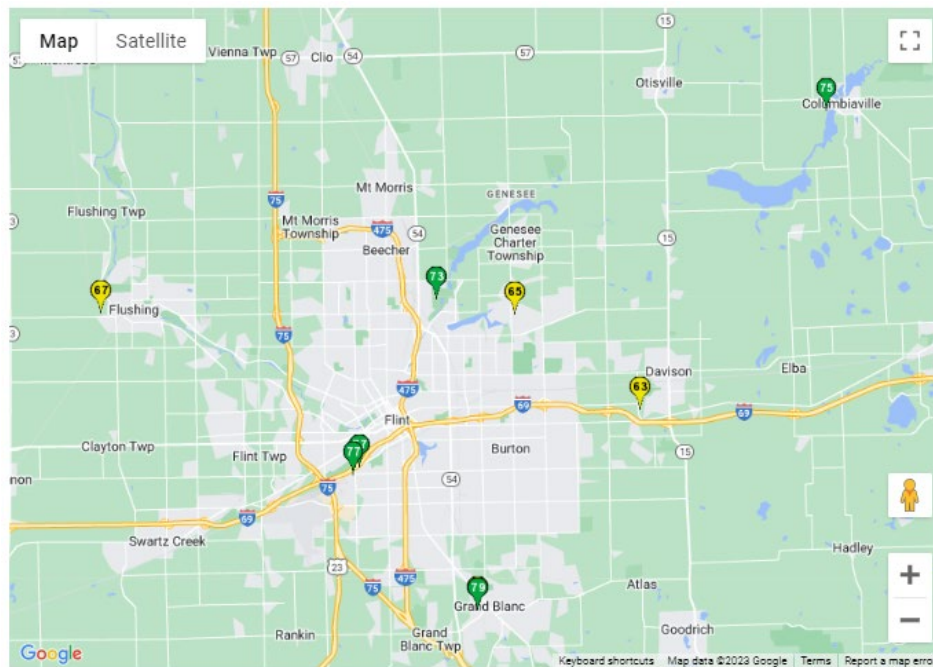


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LNG: -83.6543732509017

LAST 5 TEST RESULTS AT SITE

DATE	DO	FC	PH	BOD	TEMP	T. PHOS	NIT	TUR	T. SOLIDS	WQI
04/25/23	95	57	66	56	89	79	97	67	38	73.19
05/03/22	93	41	84	0	93	100	94	76	46	69.61
04/29/21	96	100	73	47	93	27	68	67	35	72.12
05/01/19	93	100	66	60	89	98	94	57	58	82.37
04/25/18	93	29	66	95	93	79	54	49	41	67.55



LOCATION	SCHOOL	MONTH /			WT WQI
		YEAR	WQI		
Chipmunk Creek	Armstrong Middle School	4 / 2023	47.76		65
Davison Black Creek	Davison Middle School	4 / 2023	62.52		63
Flint River @ Steeping Stone Falls	Mt. Morris Middle School	4 / 2023	73.19		73
Flushing Park at Pavilion #2	Bendle Middle School	4 / 2023	67.28		67
Holloway Reservoir Columbiaville	LakeVille Middle School	4 / 2023	75.15		75
Swartz Creek at Swartz Creek M.S.	Swartz Creek Middle School	5 / 2023	67.34		67
Swartz Creek Golf Course	Southwestern Academy High School	10 / 2023	76.76		77
Swartz Creek south of Powers	Powers Catholic High School	5 / 2023	76.61		77
Thread Creek at Rust Park in Grand Blanc	Genesee Area Skill Center	4 / 2023	79.01		79
Thread Creek Rust Park Grand Blanc	Ways of Wonder	10 / 2023	45.61		62

Display Booth for Events (Topics 1 thru 8 in progress report)

- Conservation district takes an education booth to events throughout the County and year Staff/ volunteer engage the public by offering them a giveaway if they answer a question
- It does not matter if the answer is right or wrong, it allows the Staff a chance to impart water education and a pamphlet
- Detailed data collection from different booth events pages 4-9 & 11 of Attachment A

Stormwater Management Public Education Program.

Month	Event	Individuals reached	City
8/1/2023	National Night out	183 individuals	Flint Twp Police Dept
8/2/2023	Edible Flint Garden Tour	45 individuals	Flint Farmers' Market
8/29/2023	Davison Farmers' Market	18 individuals	Davison Farmers' Market
8/31/2023	Fenton Farmers' Market	25 individuals	Fenton Community Center
9/19/2023	Davison Farmers' Market	21 individuals	Davison Farmers' Market
9/21/2023	Flint Farmers' Market	62 individuals	Flint Farmers' Market



Booth Backdrop

Our Water Webpage (Topics 1 thru 10 in progress report)

- www.ClearGeneseeWater.org website was redesigned for content and went live May 2022.
- Currently hosted by Tetra tech & updated at GCDC-SWM Office.
- Content is set around the “Seven Storm Water elements.”
- Note: our official website is cleargeneseeewater.org, for Tetra tech to host all traffic is sent through cleargeneseeewater.com.
- Detailed information on storm drain stenciling projects is on pages 16-20 of Attachment A

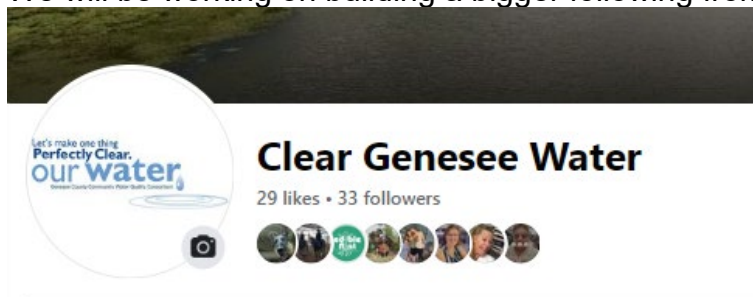
Month-Year	Hits to Teachers page link to Watershed Maps	Hits to Teachers page /link to Project GREEN	*Household Hazardous Waste (including medical and personal waste)	Hits to septic page/ Links to septic brochure	Hits to Green infrastructure page	Hits to Seven simple Steps Brochure	Total Hits to website
3/1/23 thru 2/29/24	66/between 1 to 21 clicks each map	66/6	55	17/8	6	3	1,050

- Webpage may have more than one link to same information.

Facebook: In 2022 we created the cleargeneseeewater Facebook page with the intent to populate with content and drive viewers to webpage.

Below are screen shots in the reporting period.

Most of the posts below are reposts so we did not have access to the impressions, reach and engagement numbers. We will start posting fresh so we have access to these metrics. The one from May 8, 2023 had impressions and reach of 9 people with engagement of 6. We will be working on building a bigger following from 33.





Clear Genesee Water

...



Go to Ad Center to promote your Page

You'll have tools to create and manage ads for Clear Genesee Water

Promote

Intro

Remember, storm drains
lead to our lakes and rivers!



Page · Government organization



4608 Beecher Road, Flint, MI, United States, Michigan



(810) 732-1590



cleargenesee.com

Promote Website



Not yet rated (0 Reviews)

Photos

[See all photos](#)



Clear Genesee Water

August 15 ·

...



**LAKE STURGEON
REINTRODUCTION
Saginaw Bay Watershed**

Saturday, Aug. 19, 2023

Join local, state, and federal partners for the reintroduction of juvenile sturgeon into the Saginaw River system. Come join the fun at these locations:

- 11 a.m. - Shiawassee River at Cole Park
- 1 p.m. - Tittabawassee River at Gordonville Launch/Bob G. Caldwell Municipal Boat Launch
- 2 p.m. - Flint River at Mott Park Recreation Area
- 3 p.m. - Cass River at the Gunzenhausen Walkway

saginawbaysturgeon.org

Contact

Meaghan Gass
Michigan Sea Grant
Extension Educator
gassmeag@msu.edu
(889) 895-4026 ext. 5

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Flint River GREEN

August 14 ·

Want to hold a baby sturgeon in your hands? This Saturday, Aug. 19, there will be public release events, where attendees have the opportunity to release this p... See

Clear Genesee Water

FLINT RIVER WATERSHED COALITION

KAYAK FLINT'S

PEDAL TO PADDLE

IRISH ROAD CANOE & KAYAK LAUNCH 10AM
@KAYAKFLINT.ORG

Kayak Flint
July 22 · 🌐

Hey everyone! Kayak Flint is hosting their pedal to paddle event this Saturday at 10 am.

What's pedal to paddle? Pedal to paddle is a event involving both kayak... See more

1

Like Comment Share

Write a comment...

You're commenting as Autumn Waters.

Clear Genesee Water
July 7 · 🌐

Free Meals

All Summer Long

For all kids under 18 years old
Come hang out and eat lunch
on site with us at:



Location: Bluebell Beach
Dates: 6/26-8/25
Meals: Lunch
Days & Time: M-F 2:40-3:00pm

FOOD BANK of Eastern Michigan

MEET UP EAT UP

Keep Genesee County Beautiful

Clear Genesee Water
July 5 · 🌐



Michigan Department of Environment, Great Lakes, and Energy
July 2 · 🌐

If you're out enjoying Michigan's waters, show the waterways some love by preventing the spread of harmful invasive species.

Simple steps to protect our water... See more

Clear Genesee Water
June 8 · 🌐

KEEP OUR WATER CLEAN



onewater
mionewater.com

NEVER FLUSH UNUSED MEDICATIONS! SAFELY DISPOSE OF THEM WITH "TAKE-BACK" PROGRAMS

SEMCOG, Southeast Michigan Council of Governments
June 6 · 🌐

Local take-back programs are a safe and environmentally friendly option for disposing of unwanted medications #MiGreatLakesWeek

1

Like Comment Share

Write a comment...

You're commenting as Autumn Waters.

Clear Genesee Water
June 27 · 🌐

DRAINING YOUR SWIMMING POOL?

3 easy steps to drain your residential pool while protecting the environment

- 1. Dechlorinate**
 - **Sunlight**
 - Stop adding chlorine and expose to sunlight for two weeks
 - Continue to run pump during this time
 - OR
 - **Chemicals**
 - Purchase dechlorination agent that meets EPA standards
 - Vitamin C-based dechlorination tablets are also acceptable and safer to handle
 - Follow directions provided by manufacturer
- 2. Infiltrate**
 - Find a grassy area, garden, or other natural area on your property
 - Slowly pump pool water into designated area and allow to soak into ground
 - **Salt Water Pools**
 - NEVER drain a salt water pool into a storm sewer
 - Drain in stages on your property where water can absorb
 - Too much salt in one spot may kill vegetation and no longer sustain growth
 - **Failure to pump slowly may flood the drainage area**
- 3. Storm Grate**
 - If you don't have a natural area available, you may slowly pump dechlorinated pool water to storm drain (salt water pool discharges prohibited!)
 - **Failure to remove chlorine or sediment from pool water before draining may result in fines**

For more information on protecting your watershed visit www.LGROW.org

 The City of Grand Haven
June 20 · 🌐

Thank you, [Lower Grand River Organization of Watersheds - LGROW](#), for this great tip!

Clear Genesee Water
June 9 · 🌐



 Seven Ponds Nature Center
June 9 · 🌐

Saturday, June 10th @ 2:00p.m.

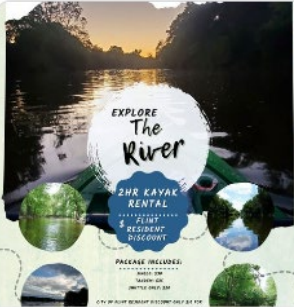
Wetlands are wonderful! During this program we will talk about the plants and animals that depend on wetlands. Then, we'll expl... See more

👍 Like 💬 Comment ➦ Share 👤

 Write a comment...

⚠️ You're commenting as Autumn Waters.

Clear Genesee Water
June 8 · 🌐



EXPLORE The River

SHR KAYAK RENTAL

50% OFF DISCOUNT

PLEASE INCLUDE:

• PADDLE

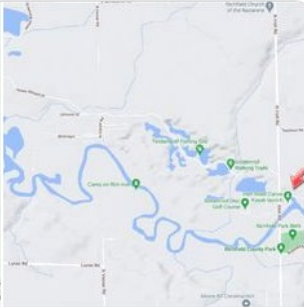
• LIFE JACKET

• SUNSCREEN


• WATER


• SNACKS

• FIRST AID KIT



Kayak Flint


 Send message

 Kayak Flint
June 2 · 🌐

Heya kayakers and other boaters, tomorrow starting at 10am to 5pm we are hosting a kayak rental pop-up venue.

We will be at the Irish Road Launch located on 6... See more

👍 Like 💬 Comment ➦ Share 👤

 Write a comment...

⚠️ You're commenting as Autumn Waters.

Clear Genesee Water
May 30 · 🌐



Invasive Species Work Day
@ Seven Ponds Nature Center

May 27th
2:00pm - 4:00pm

Please bring gloves & water, we will provide tools!



 Seven Ponds Nature Center
May 24 · 🌐

It's springtime which means the weather is getting warmer, the birds are chirping... and the nonnative invasive plants are growing 🌱. Come spend a couple hour... See more

Clear Genesee Water
April 13 · 🌐




Berrien County Conservation District
April 13 · 🌐

Interested in a rain barrel?

Taking orders now! www.berriencd.org
Available in 4 colors, \$85 each.
Barrels previously used for food transport, these have been ... See more

Clear Genesee Water
April 12 · 🌐



City of Grand Rapids Environmental Services Department
April 11 · 🌐

70° and ☀️ in #GrandRapids means it's a great day to clear out your storm drains! Cleaning drains before or in between the rain helps keep debris out of our drain... See more

Clear Genesee Water
April 11 · 🌐



Join us for Spring Monitoring Season

Learn how to collect and identify organisms to assess stream habitat quality.

Volunteer Training is April 15th, 9:00 - 12:00 at For-Mar Nature Preserve & Arboretum.


Tell us you're coming!
flintriver.org/volunteer-sign-up

FLINT RIVER WATERSHED COALITION
protect • promote • improve

Flint River Watershed Coalition
April 11 · 🌐

Spring Water Monitoring is just around the corner and we need you to get involved! The Spring Monitoring window has been set and registration for both the trai... See more

Clear Genesee Water



Saturday, April 29th, 2023

9 Locations in Lapee & Genesee Counties

Genesee County
9 am to 11:30 am

FLINT RIVER WATERSHED COALITION

SAT, APR 29
FRWC Stewardship Day
19 people interested

Interested

See insights

Boost a post

Like Comment Share

Write a comment...

⚠️ You're commenting as Autumn Waters.

Conservation District Youth Education (Topics 1 thru 7 & 9 in progress report)

- Conservation District Staff goes into Schools to educate youth.
- Programs can include Envirosapes or other games such as:
 - Online Games (DiscoverWater.org)
 - Water cycle relay race
 - Filter the Pollution
 - A-maze-ing water
 - Hands on activities- build your own watershed.
 - Water trivia games (who wants to be a millionaire, a watershed game, the environmental council, conservation Style, and environmental jeopardy)
- Detailed information on storm drain stenciling projects is on pages 11-12 of Attachment A

Breakdown of Conservation District Water Quality Presentations in Fiscal Year 2023 In-person and virtual classes were held.

Month	Event	School aged children reached:	Community Children are from:
3/17/23	Boys & Girls Club	90 Students 3 Classes	County Wide focused on Flint area
3/21/23	Carman-Ainsworth H.S.	15 Students 1 Class	Flint Twp
4/05/23	Genesee Career Institute	32 Students 2 Classes	Flint Twp (Students from County wide)
4/25/23	Genesee Career Institute	15 Students 1 Class	Flint Twp (Students from County wide)
4/27/23	Genesee Career Institute	30 Students 3 Classes	Flint Twp (Students from County wide)
5/30/23	Southwestern Academy	75 Students 5 Classes	City of Flint

Reporting is quarterly and based on the old permit cycle which corresponded with our Fiscal year, which may include previous reporting period information. Conservation district went through change of staff. New staff person is working on scheduling in person visits for next reporting period.



Catch basin Stenciling / Markers Program (Topics 1 & 2 in progress report)

- 2 programs
 - FRWC and Conservation District will coordinate groups, train on how and why they **stencil** (example on page 17). Document the where and how many.
 - Volunteers do the actual stenciling on neighborhood streets and parking lots.
 - Volunteers also distribute door to door hangers with storm water information.
 - GCDC-SWM staff places **permanent markers** (example in top right corner) on drainage inlets (rear yard and road ditches)
 - Also stencil road inlets where staff had cleaned sumps of sediment and debris.
- Detailed information on storm drain stenciling projects is on pages 10, 11 & 21 of Attachment A

Dates	Markers	Running Total	Community
4/13/2011 – 3/1/2023	4800	4800	County Wide
3/1/2023 – 2/29/2024	(bought another 5800) Used approx. 350	5150	County Wide



Reporting is quarterly and based on the old permit cycle which corresponded with our Fiscal year, this may include reporting from previous reporting period.

Breakdown of Conservation District Stencil Program

Date	Location	Participants	Stencils	Door Hangers
7/26/23	Flushing- Bellewood Dr-Cedarwood Dr- Cedarwood Ct-Woodward Dr-Robinwood Dr-Beechwood Ct	3	45	104
7/26/23	Swartz Creek- Willow Brook Trail- Clubhouse Way-Fountain View-Bay View-Club House Pass-Creekside Dr- Woodbridge	2	46	69
8/11/23	Montrose- Orchard St-McCormick St- Baldwin St-N Genesee St-Russett	2	20	55
8/16/23	Flushing- Jacklyn Ann Dr-Jaime Ln	3	14	39
8/16/23	Clio- Old Barn Ln-Homestead Ln- Cornsilk Ln-Harvest Ln	4	16	44
8/29/23	Grand Blanc- Maui Dr-Coral Dr-Wailea Dr- Wailea Ct-Waterfall Dr-Waterfall Ct-Paradise Dr-Paradise Ct-Coconut Ct	4	63	121
9/5/23	Davison- Wicklow S Dr-Kildare Dr- Antrim Dr- Antrim Ct	3	23	53
9/5/23	Burton- Whittemore Ave-Boatfield Ave- Bergin Ave	2	33	51

Breakdown of FRWC Stencil Program

Date	Location	Participants	Stencils	Door hangers
10/21/2022	Swartz Creek- Greenleaf Dr from Oakview Dr to Norbury Dr, Norbury Dr from Greenleaf			113
8/2/2023	Davison- Linda Dr, Isabella Lane, Shalin Dr			86
8/2/2023	Davison- Oda St, Kay St, Meadow Dr, Village Dr			48
8/29/2023	Grand Blanc (in C of Davison)- Collingwood Dr, Plymouth Dr, Amesbury			46
9/5/2023	Swartz Creek- Greenleaf Dr from Oakview Dr			82
9/27/2023	Grand Blanc Twp- Hollyhock Dr, Hollyhock Cir, Rosecliff			76



Distribute Brochures Promoting the 7 Simple Steps: (Topics 1 thru 7 in progress report)

- 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 in 2009 and 2013 each. More than 24,000 handed out.
- Brochures are handed out to each person spoken to at events. Numbers in Events section.
- FRWC also hands out brochures at other events, but we do not have a count on those.
- Brochures are available to public at municipal buildings (reported on by each permittee).

Speaker Bureau (Topics 1 thru 9 in progress report)

- Modular Power Point presentation was developed and used by FRWC and GCDC-SWM on a multitude of storm water topics.
- Water topics can be mixed and matched to customize talk both in content and length.
- This program is targeted to talk to residents, groups, associations, and businesses.
- Detailed information on Our Water Campaign are on page 13 of Attachment A
- Reporting is quarterly and based on the old permit cycle which corresponded with our Fiscal year, this may include reporting from previous reporting cycle.

Breakdown of FRWC Speaker Program in Fiscal Years 2022-2023

Date	Location	Participants
10/12/2022*	Mott CC & Zoom	25
12/16/2022	Genesee Health Plan & Zoom	15
3/16/2023	Capitol Theater Screening	25
6/3/2023	Genesee Day at Crossroads	30

*Includes unreported from previous reporting period

Articles and Publications on PEP topics

- Our partner FRWC often promotes PEP information on various programs and have online publications this reporting cycle. They do have a presence on their website and Facebook.
- Conservation District has not put out any publications since February 2023. But that went to 1,614 emails

—+—Advertise Household Hazardous Waste Events (Topics 6 in progress report)

- The Household Hazardous Waste Events is financially supported by Genesee County and various Communities (reported on by each permittee)
- PEP program helps distribute information to make public aware of availability and proper disposal of household hazardous waste to keep it out of the environment and landfills.
- Genesee County emails flyers to all users and communities, over 2000 individuals. Most departments post notice where it can be seen by public. Many communities also post flyers where it can be seen. (Reported on by each permittee)

Program promoted on www.cleargeneseeewater.org. The event promotions on cleargeneseeewater automatically delete 2 weeks after events. We do not have metrics on those, but in the future we will take screen shots of calendar for documentation. Since March 1, there have been 21+4=25 hits to calendar on cleargeneseeewater.org. shown on page 16 of Attachment A

- Since March 1 2023: Household hazardous waste has increased the number of events in 2023: May 9 & 23, June 13 & 27, July 11 & 25, and Aug 8 & 22 by appointment only. We do not have quantity or # of cars info at this time, but for each event, within 3 days the appointments were full.

Genesee County
Recycle Day

Scheduled Events:
Tuesday May 9 & 23, 2023
Tuesday June 13 & 27, 2023
Tuesday July 11 & 25, 2023
Tuesday August 8 & 22, 2023

[Click Here For Registration Info](#)
or visit shorturl.at/nHJS7

**EVENT TIME & LOCATION
RELEASED ONCE AN
APPOINTMENT IS SECURED**

**PROOF OF REGISTRATION
REQUIRED**

Questions?
www.gcmpc.org/recycle-day
recycle@geneseecountymi.gov

✓ ITEMS ACCEPTED

Aerosols	Mercury
Automotive Fluids	Oil Based Paint & Solvents
Batteries (household/auto)	Pesticides & Herbicides
Biomedical Sharps (in rigid/sealed containers)	Prescription Medication
Corrosives (acids/bases)	Propane Cylinders (up to 30 lbs. each)
Electronics (all kinds)	Reactive & Oxidizers
Fire Extinguishers	Smoke Detectors
Fluorescent Bulbs & Tubes	


X ITEMS NOT ACCEPTED

55 Gallon Drums of Waste	Explosives & Fireworks
Agricultural Waste	Garbage & Yard Waste
Ammunition	Industrial Waste
Appliances	Paper for Shredding
Commercial Waste	Radioactive Materials
Compressed Gas Cylinders (other than propane)	Tires (Any)
Construction Materials	Weapons

Looking for other disposal options?
Visit the Drop Off Center Directory:
www.gcmpc.org/drop-off-center-directory

GENESEE COUNTY
METROPOLITAN PLANNING
COMMISSION

Genesee County Planning keeps track of programs and has recycling education.
<http://gcmpc.org/environmental/>



GENESEE COUNTY
METROPOLITAN PLANNING
COMMISSION

Q SEARCH

Improving Communities/Housing ▾Environmental ▾Transportation ▾Documents & Public Notices ▾

SITE MAP

Air Quality Awareness

► Recycling

► Solid Waste

CONTACT OUR STAFF

OUR STAFF

QUICK LINKS

AIR QUALITY AWARENESS

CURBSIDE PROGRAMS


DROP-OFF CENTER DIRECTORY

RECYCLE DAY

RECYCLING EDUCATION


SOLID WASTE

ENVIRONMENTAL




RECYCLE DAY
COLLECTION EVENT

LEARN MORE




WHERE & WHAT
CAN I RECYCLE?

LEARN MORE




EDUCATION & OTHER
INFORMATION

LEARN MORE



NEED A WASTE
HAULER PERMIT?

LEARN MORE



20

Educational Material- Septic Booklet (Topics 3, 7 & 8 in progress report)

- Information to help educate septic system owners on proper maintenance and practices.
- Copies have been provided for distribution at the following locations:
 - Genesee County Health Department (Environmental Health – Septic) provided in 2000, once we give them the information we do not track how they distribute to the public.
 - Interested communities (Not all communities have residents with septic systems.) Provided periodically or upon demand. Each community reports on how many they have distributed to the public.
 - Realtor's Association provided between 2020 & 2021, 2,000 brochures were distributed to real estate agents to give out to buyers and sellers of houses with septic. There is no good way to determine how many were handed out.
 - They are also available at public events for interested residents. 200 more were provided to the Conservation District this year for events.
- The number of parcels Countywide that are not vacant or farmland nor have access to sanitary are small. This makes it hard to evaluate the program.
- Septic information and brochure also available on website. Number of Hits on Clear Genesee Water.org for this program. All website data is on page 10.

Septic Systems

While most residences are connected to the public sewer system, some have on-site treatment. If your residence is connected to a septic system instead of a public sanitary system, you have the opportunity and responsibility to operate and maintain your own septic system. A properly maintained septic system positively influences the quality of our local water resources. If your septic system is properly designed, built, and maintained, it can effectively treat your household wastewater, save you money, and keep our local water clean for many years. If a septic system is not properly maintained, a lot of costly damage could be done.

A septic system is not the same as a municipal sewer system. Septic systems have a limited life expectancy that can be shortened by not monitoring and properly maintaining it.

What's the issue?

A malfunctioning septic system can:

Cost thousands of dollars to replace or repair

Make selling your home very difficult

Lower your property value or pose legal liability

Spread infection and disease

Contaminate groundwater that might be a source of drinking water

Pollute nearby lakes, rivers, and streams

What happens when pollutants reach our waterways?



Canoe Trips- Paddles (Topics 1 & 2 in progress report)

- The Flint River has suffered historically from a bad reputation. Through our partnership, the FRWC has several paddles are held on various locations of the Flint River.
- Before the paddle FRWC has water quality education as well as safety on the water education.
- Provides easy access to residents that would not normally get on the water or would drive hours to Canoe/Kayak on a “clean river” up north.
- Detailed information on educational kayak tours is on page 14 of Attachment A
- Most new paddlers are surprised how beautiful and diverse the river is.
- Increased use + access observed = increased stewardship
- Reporting is quarterly and based on the old permit cycle which corresponded with our Fiscal year, this may include reporting from previous reporting period.

Breakdown of FRWC Paddle Program

<div>  2023 EDUCATIONAL KAYAK TOURS </div>							
Year	Date	Time	Sponsor	Event	Location	Number of Participants	Number
2022	8-Oct	10:00 AM	FRWC	FREL/YELC Paddle	Thread Lake	25	1
2022	9-Oct	12:00 PM	FRWC	U of Michigan group trip	Irish Road to Mott Lake	12	1
2023	18-May	3:00 PM	FRWC	Strong Summit Paddle	Thread Lake	30	1
2023	6-Jun	5:30 PM	FRWC	iKayak training and paddle	Mott Lake	8	1
2023	22-Jun	5:30 PM	FRWC	M15 to Irish Rd Paddle	M15-Irish Road launch	10	1
2023	14-Jul	5:30 PM	FRWC	Crim Family Fun Event	Thread Lake	23	1
2023	21-Jul	10:00 AM	FRWC	Flint Freedom School Paddle	Thread Lake	35	1
2023	22-Jul	10:00 AM	FRWC	iKayak	Mott Lake	9	1
2023	27-Jul	10:00 AM	FRWC	DNR Paddle	Buell Lake	15	1
2023	31-Jul	11:00 AM	FRWC	Mott Paddle	Richfield Park to Irish Road	14	1
2023	4-Aug	1:00 PM	FRWC	iKayak	Mott Lake	6	1
2023	11-Sep	10:00 AM	FRWC	Group Paddle	Thread Lake	11	1

Present Information on Proper Disposal of Medications and Personal Care Products on Website

- This information is available on www.ClearGeneseeWater.org. (On the household hazardous waste page)
- The promoted Household Hazardous Waste events specifically list that they accept aerosols, biomedical sharps, and prescription medication as some of the items accepted.
- Number of Hits on Clear Genesee Water.org for this program. All website data is on page 10.

~~Can't Wait Until the Next Collection Day or not accepted?~~

Here are some additional options for the disposal of household hazardous wastes:

[Drop-Off Center Directory - Genesee County Metropolitan Planning Commission \(gcmpc.org\)](http://www.gcmpc.org)

Prescription Drugs - Controlled substance public disposal locations:

Wal-Mart Pharmacy 4213 Corunna Rd Flint, MI

Hari OM Pharmacy LLC G3333 Beecher Rd Flint, MI

Meijer Pharmacy 4141 Morrish Rd Swartz Creek MI

Town Center Pharmacy 1201 Flushing Rd Suite 2 Flint, MI

Meijer 2474 West Hill Rd Flint, MI

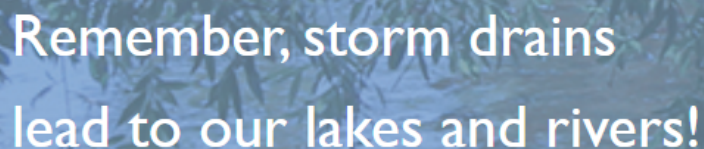
Latex Paint. Put either kitty litter or sand in equal portions to the paint, leave the top off and let it dry completely. Once the paint is completely dried out you can place cans in your regular garbage. Note: The top must be left off. If you have quite a bit of latex paint left, you can try calling on the theater groups downtown to see if they can use it.

Motor Oil. You can take motor oil to Valvoline. Different branches have different requirements regarding fees and amounts, so contact them first.

Electronics. For a \$5.00 fee, CBC Recycling will take electronics, such as television sets (no consoles), computers, printers, fax machines, copiers, stereo equipment, video cameras, video game consoles, DVD players, video cassette recorders. Hours are Monday through Friday 9:00 am-3:00 pm; the first two Saturdays of the month from 9:00 am-1:00 pm; or by appointment (810) 239-5040, 115 14th Street, Flint

Batteries. Throughout the year batteries can be taken to any VG's Food and Pharmacy. There is a \$0.10 charge, and they must be taken to the service desk.

Make-up and other personal care products. Consider passing along to someone else if it is still useable or properly discard in your general household trash for basic curbside pickup.



Remember, storm drains
lead to our lakes and rivers!

Pamphlet for Riparian Landowners (Topics 5 thru 7 & 9 in progress report)

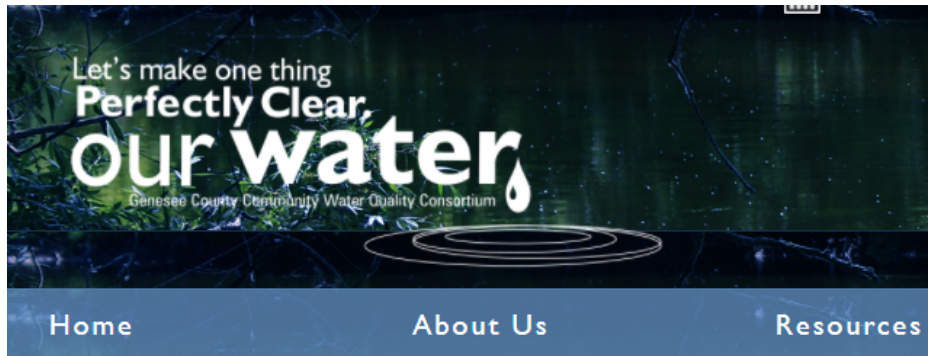
- Most of the pamphlets were distributed in past reporting periods.
- Pamphlets are handed out at events.
- Pamphlets are available to public at municipal buildings. (Reported on by each permittee)
- 5,000 Pamphlets have been distributed since start of program. All have been distributed but if requested by communities we have been printing them on demand. Since March 1, we have printed 50.

Education Workshop Targeted to Restaurant Waste (Topics 7 & 10 in progress report)

- Restaurants have been identified as having high IDEP potential.
- A Brochure was developed and printed in 2022. 1,450 were delivered to the Genesee County Health Dept, who oversee restaurant inspections. They have agreed to hand them out to all restaurants within the County. They visit twice a year so all would have been passed out between September 2022 and March 2023. It is the intent to have the health department hand out brochures approximately every permit cycle. They will go out again approximately between 2026 & 2027. Drain Office has some available for IDEP and handing out as needed. This program targets restaurants to educate staff on proper disposal of waste fluids to prevent future illicit discharges.

Education Workshop Targeted to Green Infrastructure Design (Topics 9 in progress report)

- Currently Earth friendly landscaping is available on www.cleargeneseewater.org for residents. Number of hits are reported above on pg. 10 under the webpage section.



[Home](#) > [Resources](#) > [For Residents](#) > Choose Earth Friendly Landscaping

Choose Earth-Friendly Landscaping

What's the Issue?

When landscaping your yard you can protect your kids, pets, and the environment from harm. By choosing plants that are native to Michigan and by practicing good lawn-care practices, you can help prevent pollution of our lakes and streams.

Remember, a few simple changes can make a big difference!

Mow High. Make your lawn cheaper and easier to maintain by mowing high (three inches). Taller grass requires less water, promotes root growth, and shades out weeds.

Use Mulch. Place a thick layer of mulch (four inches) around trees and plants. This helps retain water, reduce weeds, and minimize the need for pesticides.

Go Native. Select plants native to Michigan. Native plants are better equipped to tolerate Michigan's climate, require less fertilizing, and are more disease resistant.

Variety is the Spice of Life. Using a wide variety of plants helps control pests and minimizes the need for pesticides.

Education Workshop targeted to good housekeeping practices for municipalities & Good Housekeeping Training Video (Topics 2 thru 6 & 10 in progress report)

- Training information is provided for municipal staff and their contractors.
- Topics to be covered:
 - Spill prevention / Spill Control and Response
 - Vehicle and Equipment Maintenance / Washing
 - Material Storage
 - Waste Management
 - Facility Maintenance
 - Landscape and Grounds Maintenance
 - Illicit Discharge Detection
 - Contracts
- Two Zoom trainings were done 06/10/21 & 06/17/21 for Good Housekeeping. No new workshops were given in 2022-2023 reporting period. The intent is to move forward with videos.
- Online self-training and videos from 2021 training are available on demand, so permittees may do training on their schedule. (Reported on by each permittee). Documents are available on cleargeneseewater.org and videos are available on gcdcswm.com (below)

Pollution Prevention and Good Housekeeping

Guidance Documents

- [Pollution Prevention Manual of Best Management Practices November 2010](#)

Good Housekeeping Part I Training- June 10, 2021

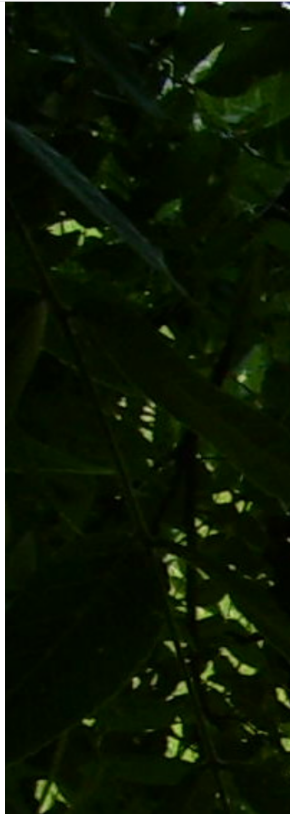
- [Overview PowerPoint Presentation](#)
- [Overview PowerPoint Handout](#)
- [Contracts PowerPoint Presentation](#)
- [Contracts PowerPoint Handout](#)
- Video Recording
- [Attendance](#)

Good Housekeeping Part II Training- June 17, 2021

- [Facilities PowerPoint Presentation](#)
- [Facilities PowerPoint Handout](#)
- Stormwater Control Measures PowerPoint Presentation
- Stormwater Control Measures PowerPoint Handout
- Video Recording
- [Attendance](#)



- Home
- Projects ▾
- Assessment
- Our Water Program (NPDESII)
- Public Notice
- Design Standards & Forms
- Maps
- Drain Code
- Contact Us



WELCOME

To The

Genesee County Drain Commissioner

Surface Water Management

SWPPI's & Training

Staff Training

Past Training

- IDEP June 3, 2021
 - [Power Point](#)
 - [Power Point Handout](#)
 - [IDEP Video](#)
 - [Attendance 2021-06-03.pdf](#)
- Good House Keeping Part I, June 10, 2021
 - [Good Housekeeping Part 1 Power Point](#)
 - [Good Housekeeping Part 1 Power Point Handout](#)
 - [Good Housekeeping Video, June 10](#)
 - [Good Housekeeping Contracts Power Point](#)
 - [Good Housekeeping Contracts Power Point Handouts](#)
 - [Attendance 2021-06-10.pdf](#)
- Good House Keeping Part II, June 17
 - [Good Housekeeping Facilities Power Point](#)
 - [Good Housekeeping Facilities Power Point Handout](#)
 - [Good Housekeeping Stormwater Control Measures Power Point](#)
 - [Good Housekeeping Stormwater Control Measures Power Point Handout](#)
 - [Good Housekeeping Video, June 17](#)
 - [Attendance 2021-06-17.pdf](#)
- Good House Keeping/IDEP Training 2010
 - [Manual](#)
 - [Power Point Presentation](#)