



**Municipal Separate Storm Sewer System (MS4) Stormwater Program
Progress Report**

January 1st, 2023, to December 31st, 2024

Submitted to:
Department of Environment, Great Lakes, and Energy



Table of Contents

1.0 General Information	1
2.0 Greater Lansing Regional Committee for Stormwater Management (GLRC)	1
2.1 GLRC Background	1
2.2 GLRC Members	2
2.3 GLRC Organization	2
2.4 Watershed Partnerships and Related Efforts	4
3.0 Implementation Committee Reports	6
3.1 PEP Committee (including individual community activities)	6
3.2 IDEP/Post-Con Committee	3
3.3 TMDL Committee	35
4.0 Other GLRC Activities	35
Appendix A GLRC 2023-2024 Display Usage	35
Appendix B Social Media Posts and Ads Reach 2023-2024	38
Appendix C Educational Materials Distribution 2023-2024	42
Appendix D 2023 Car Wash Campaign Sign Placement/Coupons Redeemed	48
Appendix E Receipts for PEP Expenditures 2023-2024	49
Appendix F 2024 IDEP Field Training Attendance	87
Appendix G 2024 IDDE Video Training Attendance	89
Appendix H 2024 Meridian Township IDDE Video Training Attendance	91
Appendix I 2024 National Salt Symposium Attendance	92

1.0 General Information

This progress report is being submitted by Meridian Township in partial fulfillment of the requirements of the Phase II Stormwater National Pollutant Discharge Elimination System (NPDES) Permit No. MI0059774. The permit allows discharges from a municipal separate storm sewer system (MS4). The Michigan Department of Environment, Great Lakes, and Energy (EGLE) requires that a progress report be submitted on the implementation status of the current permit. This Progress Report covers the period of January 1st, 2023, to December 31st, 2024. The Progress Report is due by 11:59 p.m. on April 1st, 2025.

2.0 Greater Lansing Regional Committee for Stormwater Management

The Greater Lansing Regional Committee for Stormwater Management, or GLRC, is a guiding body comprised of participating permitted MS4 communities within the Greater Lansing region. The committee has been established to guide the implementation of the MS4 program for the communities within three identified urbanized watersheds: the Grand River, the Red Cedar River, and the Looking Glass River Watershed.

2.1 GLRC Background

In November 1999, nine communities and three counties in the Greater Lansing area organized to discuss the federal regulations for the Stormwater Phase II Program. The result of this organization was an agreement to pool resources on a regional basis to fulfill the requirements of the program. Initially, based on 1990 census population data, these nine communities and three counties were the only entities in the Greater Lansing area that were designated to participate in the Phase II “Voluntary Permit Program” by EGLE. Following several meetings of this group during late 1999 and early 2000, a resolution was drafted to establish the “Greater Lansing Area Regional NPDES Phase II Stormwater Regulations Committee” and representatives from each jurisdiction were named to serve on the Committee.

Soon after the organization of the Committee in 2000, the Tri-County Regional Planning Commission (TCRPC) began to assist in providing contractual, fiduciary, and administrative support. Tetra Tech was selected to produce a permit strategy study, and later to prepare the Voluntary Grant Permit Applications for each community. Again in 2002, Tetra Tech was retained to prepare watershed management plans (WMPs) for the Grand River and Red Cedar River watershed areas and would later prepare a WMP for the Looking Glass River watershed area.

Based on the increased population data following the release of the 2000 Census, ten additional communities were designated to meet the stormwater MS4 requirements under federal and state regulations. Ultimately, seventeen communities and the three counties agreed to participate in a regional approach until 2007, when a lawsuit determined some townships no longer required an MS4 permit from EGLE. GLRC members then took formal action to establish an Associate Membership category within its Memorandum of Agreement (MOA). The MOA with GLRC member communities continues to be updated and reapproved, most recently in 2023 to align with the current permit cycle. The recent MOA was adopted by GLRC members and

therefore establishes the GLRC legally through April 30, 2028. There are also several interested parties that are consistently involved with the planning activities associated with this program such as parks departments, conservation districts, utility authorities, and transportation authorities. The participating communities recognize the substantial benefits that can be derived through cooperative management of the watersheds to achieve the MS4 permit requirements and protect our watershed.

2.2 GLRC Members

The participating MS4 entities that currently make up the GLRC are as follows:

- City of DeWitt
- City of East Lansing
- City of Grand Ledge
- City of Lansing
- City of Mason
- Delhi Charter Township
- Delta Charter Township
- DeWitt Charter Township
- Lansing Charter Township
- Meridian Charter Township
- Lansing School District
- Waverly Community Schools
- Clinton County
- Clinton County Road Commission
- Eaton County
- Ingham County
- Michigan State University

2.3 GLRC Organization

Within the GLRC, committees have been established to guide various components of the MS4 program. Other committees may be established as needed throughout the course of the program. A list of the committees including a brief description of their responsibilities follows.

Public Education Program (PEP) Committee

The PEP Committee guides the overall public education, participation, outreach, and involvement process. This also includes evaluation of the program and assessment of public knowledge and activities.

Illicit Discharge Elimination Program (IDEP) / Post-Construction Committee

The IDEP/Post-Con Committee guides the organization and implementation of the Illicit Discharge Elimination Program, mapping guidelines, field-sampling protocols, and how the watershed will be monitored for progress, as well as advises on matters regarding post-construction measures. The Committee has reviewed and provided recommendations related to pet waste reduction techniques, septic tank maintenance issues, and staff training, as well as channel protection and removal practices for total suspended solids.

Total Maximum Daily Load (TMDL) Committee

The TMDL Committee makes recommendations regarding the *E. coli* TMDL requirement for the Grand River and Red Cedar Rivers, as well as the phosphorus TMDL requirement for the Maple River. The committee provides education and updates to GLRC members to assist in the development and implementation of TMDL programs.

Executive Committee

The GLRC Executive Committee is comprised of a maximum of 10 voting members consisting of the Chair, Vice Chair, Secretary, and Treasurer of the GLRC, one representative from each of the three counties, and the chairs of the Illicit Discharge Elimination Program (IDEP)/Post-Construction Committee, Public Education Program (PEP) Committee, and Total Maximum Daily Load (TMDL) Committee. The Executive Committee meets five times a year and the Full Committee meets twice a year.

Current GLRC Organization Effective September 11, 2023



2.4 Watershed Partnerships and Related Efforts

Middle Grand River Organization of Watersheds (MGROW)

MGROW is a 501(c)(3) nonprofit organization established in 2011 as an umbrella group serving the people and organizations within the Middle Grand River watershed. Its mission is to protect and preserve the history and the natural resources of the Middle Grand River watershed by promoting education, conservation, restoration, and wise use of watershed resources. Local watersheds and program administrators involved with MGROW include Friends of the Looking Glass River; Friends of the Maple River; Friends of the Red Cedar River; GLRC; Clinton, Eaton, and Ingham Conservation Districts; Michigan State University Institute of Water Research (MSU-IWR); TCRPC; and Mid-Michigan Environmental Action Council (MidMEAC). These groups operate independently from one another but regularly work cooperatively to promote a healthy watershed. The GLRC Coordinator works with MGROW to identify collaborative opportunities related to education, recreation, and conservation both in daily work and as a board member of the organization. Visit mgrow.org for more information on this valuable partner.

Middle Grand River Water Trail/ Grand River Partnership

The GLRC Coordinator collaborated with MGROW on the development of the DNR-designated Middle Grand River Water Trail and associated materials, with the goal of inspiring new watershed stewards through recreation. In cooperation with TCRPC, the [Middle Grand River Water Trail Development Plan](#) is continually updated and improved. In 2023, the GLRC Coordinator established a Regional Middle Grand River Water Trail Development Plan Advisory Group, called the Middle Grand Advisory Committee to meet quarterly. The Advisory Committee brings all stakeholders together to further the Plan and ensure proper safety, education, marketing, and maintenance of the Middle Grand River Water Trail. The GLRC Coordinator also participates in the Grand River Partnership, a group composed of the Lower Grand River Organization of Watersheds, MGROW, and Upper Grand River Watershed Alliance who work together to promote watershed wide educational opportunities and collaborate on watershed protection and a national water trail designation. On April 29th, 2023, the group held the Hugh Heward Challenge to reenact a one-day, 50-mile sprint down the Grand River in Mid-Michigan by British fur trader Hugh Heward on April 24, 1790. The event includes a 50-mile route, a 25-mile route, and a 13-mile route. In 2024, the Lower Grand River was also designated as a state water trail, making the entire 252-mile Grand River a state-designated water trail. MGROW produced a map of the Middle Grand River Water Trail in 2024, and a 2025 Grand River Expedition celebration is being planned.

Friends of the River Groups

The GLRC partners on related events and activities to promote protection and enjoyment of the Middle Grand River, Looking Glass River, Red Cedar River, and Maple River. This includes sharing posts and event information for paddling events and river cleanup and maintenance opportunities with the Friends of the Looking Glass River, Friends of the Maple River, and the Red Cedar Pathway. Regular information, including the GLRC quarterly newsletter is shared with

these organizations and the GLRC Coordinator participates in their meetings. The GLRC will continue exploring further opportunities for partnering with these groups.

Red Cedar River Water Trail

In partnership with TCRPC, the GLRC Coordinator has assisted the Red Cedar Pathway in further developing the Red Cedar River Water Trail, a goal of the Middle Grand River Water Trail Development Plan. GLRC staffed a booth at the inaugural Red Cedar River Days celebration on September 30, 2023, and again on September 8, 2024. Regular meetings have taken place with the group to provide guidance on the water trail planning effort with the goal of inspiring new watershed stewards and educational opportunities through water-based recreation.

Dam Removal Exploration Workgroup (DREW)

The GLRC Coordinator participated with a group of watershed stakeholders exploring feasibility of removing Lansing's two dams, advising on possible green infrastructure solutions to post-removal riparian restoration. DREW successfully secured Army Corps of Engineer funds to remove the N. Lansing Dam via their Section 206 Aquatic Restoration Program, funding the entire dam removal up to \$10 million. The federal funds will not cover removal of contaminated sediments that might be found behind the dam, and it was noted PCBs are commonly found in the river here. The City of Lansing, Army Corps, and Board of Water & Light have finalized a Feasibility Cost Share Agreement (FCSA) which they are executing while drafting a detailed project report and environmental assessment. Timelines to complete this project have recently become uncertain due to changes in federal funding.

County Programs

To promote the proper disposal of household hazardous waste (HHW), the GLRC Coordinator works with recycling services in Clinton, Eaton, and Ingham counties to promote biannual collection events in the spring and fall. The GLRC Coordinator also works to promote spring and fall native plant and tree sales through the Clinton, Eaton, and Ingham county's Conservation Districts. All county HHW collections and native plant sales are promoted on social media, in newsletters, on event pages, and at outreach events as a way to take personal actions to reduce stormwater pollution. In addition, the GLRC Coordinator participates in the Mid-Michigan Cooperative Invasive Species Management Area, a group consisting of the Clinton, Eaton, Ionia, and Ingham county stakeholders working to prevent the spread of invasive species to protect local ecosystems.

Capital Area Sustainability Partnership (CASP)

In 2021, a group of regional stakeholders began meeting to discuss regional sustainability and climate change planning efforts. The GLRC Coordinator, through the capacity of planner at the Tri-County Regional Planning Commission, assisted in the facilitation of these discussions now led by a group of local municipal leaders. Throughout 2023, the GLRC Coordinator participated in quarterly meetings of CASP and shared information with watershed partners. Much of the focus of CASP has been to help municipalities understand the availability of federal funding for sustainability and resiliency and how to apply for that funding.

3.0 Implementation Committee Reports

3.1 PEP Committee (including individual community activities)

The PEP Committee met on the following occasions in 2023:

January 18, 2023

May 4, 2023

October 5, 2023

The PEP Committee met on the following occasions in 2024:

January 12, 2024

March 13, 2024

July 15, 2024

July 23, 2024

Committee Activities:

Public Education Plan Implementation – The PEP Committee sets a budget for each fiscal year to determine how funds will best be utilized to meet outreach needs and adjusts that budget as needed. In FY 2023, funds were dedicated towards three social media campaigns that included responsible septic maintenance, car washing, and pet waste management. A special focus was placed on working with car wash businesses in 2023, resulting in an educational message with car wash coupon mailed to 90,000 households in Clinton, Eaton, and Ingham counties and 41 educational yard signs distributed to local car washes. In 2023, the PEP Committee also concentrated on the Greater Lansing Regional Water Quality Education Survey, selecting a consultant who finalized the work in 2024.

In 2024, funds were dedicated towards three additional social media campaigns focused on spring cleaning and to recycle household hazardous waste versus dumping it; the harmful effects of phosphorus and nitrogen and to keep fertilizer, leaves, and grass away from storm drains that lead to our waters; and tips on how to be septic smart and protect your septic field. During the reporting period, additional PEP funds were allocated toward a reprinting of GLRC’s educational brochures, Smart Salting trainings, the annual Dog Photo Calendar Contest, and new promotional items to give away at outreach events with GLRC’s logo and website.

To better educate the public, the PEP Committee oversaw the development of six new educational brochures branded in GLRC colors on the following topics in 2024:

[Green Infrastructure at Home](#)

[Pet Waste Management](#)

[Lawn & The GLRC Garden Care](#)
[Car & Power Washing](#)
[Household Hazardous Waste](#)
[Do You Know Your Watershed?](#)



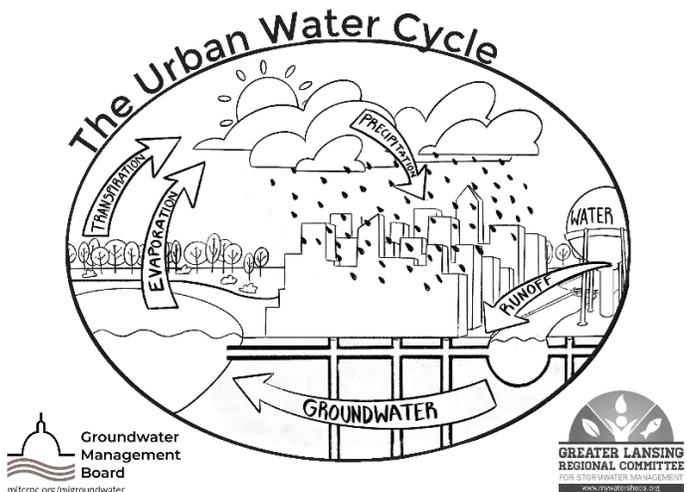
Based on the Regional Water Quality Education Survey, the new brochures were expanded to increase awareness of pollution issues and include additional topics of interest to the public. To help urge personal actions to protect water quality, a “Do Your Part” advice section for residents surrounding each brochure topic appears on the back of each new brochure.

The Green Infrastructure at Home brochure was updated to include examples as well as photos of urban green infrastructure. Statistics were updated and educational graphics added to both the Pet Waste Management and Lawn & Garden Care brochures. In the What is a Watershed brochure, Census information was updated, steps to protect our waters are prioritized, and videos on the website are promoted.

A focus on car washing in the new brochures was expanded to include a panel on the harmful effects of power washing and using *Safer Choice* cleaning products is emphasized, as well as the benefits of using a commercial car wash. Household hazardous waste became the topic of a new brochure, which includes how to recognize when a product is hazardous, why hazardous chemicals should not be poured down a house drain, storm drain, or on the ground, how to look for non-hazardous alternatives with the *Safer Choice* label, the harmful effects of household hazardous waste, how to keep oil out of the watershed, and how our actions at home affect the Great Lakes.

The brochures can be downloaded on the website under the Resources tab on webpages for Residents, Members, and Educators and are linked above. The new brochures were promoted in the October 2024 quarterly newsletter and distribution of printed brochures at outreach events began in 2025.

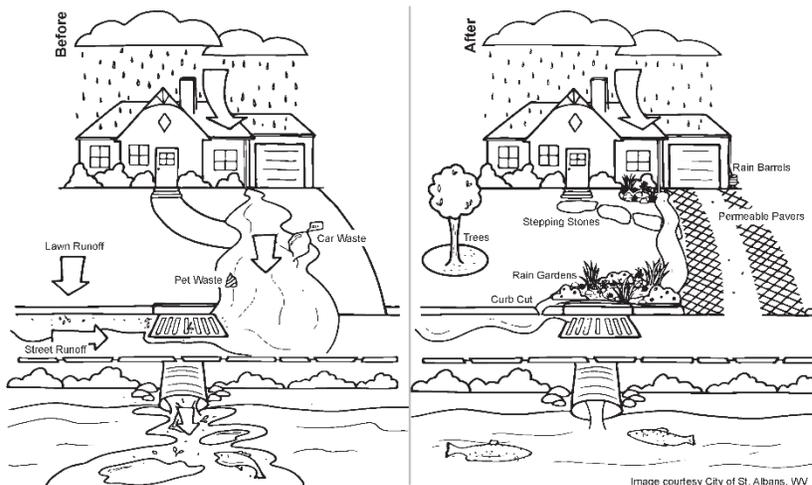
To provide further education at outreach events, the GLRC developed a Be Stormwater Smart coloring page in March of 2024. An Urban Water Cycle coloring page was also created in conjunction with the Groundwater Management Board in September of 2024. New stickers were also developed to encourage youth to take pride in helping to protect our waters.



This coloring page is based on the simple water cycle design by BYU with a full color image available at watercycle.byu.edu/simple-water-cycle

BE STORMWATER SMART

This coloring page shows the difference between a home that has no stormwater management (before) and a home that has great stormwater management (after); and how they both affect our streams and rivers. For more information on steps you can take to prevent stormwater pollution visit mywatersheds.org



Regional Water Quality Education Survey – The GLRC has continued to commit to utilizing the Greater Lansing Regional Water Quality Education Survey as an evaluation tool for the PEP Committee regarding all educational efforts and public participation. Surveys were conducted in 2006, 2012, 2018 and 2024. The surveys provide comparison data and demonstrate where we have made progress through our educational efforts as well as identify areas that need improvement. This is used to craft and evaluate the success of the BMPs within GLRC’s PEP. The

survey results can be found on the GLRC website at mywatersheds.org/water-quality-surveys. An RFP was developed in 2023 and a firm contracted to conduct a 2024 Survey. A virtual presentation of the results occurred on March 11, 2024, to which all GLRC members and outside partners such as EGLE, conservation districts, health departments, and environmental groups throughout the tri-county region were invited. A total of 24 people participated in the presentation. A new PEP was submitted with the 2024 permit based on the survey results.

Overall, the new survey indicated residents realize their actions at home affect the quality of water in lakes and streams where they live and are willing to help reduce water pollution. More residents have also seen advertisements, brochures, signs, and posts from the GLRC. These factors prove the previous Public Education Plan has been effective. However, some survey results have led the GLRC to alter areas of focus. Data indicates people prefer videos as a source of information. Facebook and Instagram are also popular choices for information, and printed materials still play a role in education. GLRC will expand the types of information it provides from articles to fact sheets and information segments tailored for social media, while expanding its use of videos. To meet information gaps discovered in the evaluation, GLRC will provide advice to the public on how to select a watershed-friendly vendor for lawn care management, update its safe salting materials, and consider paid boosting of social media posts on household hazardous waste collections. GLRC will also continue a focus on green infrastructure, connection of the MS4 to area waterbodies, and proper disposal practices for grass clippings, leaf litter, and animal wastes. The proper application and disposal of pesticides, herbicides, and fertilizers has also been added as topic of focus.

Pollution Isn't Pretty (PIP) - Originally funded by TCRPC's Mid-Michigan Program for Greater Sustainability, MGROW has facilitated the use of the water resource education campaign entitled Pollution Isn't Pretty (PIP). The PIP campaign was professionally designed and is still in use throughout the region. The campaign is currently owned and housed by MGROW. In late 2020, an error at the web hosting firm caused the web content to be deleted, and MGROW offered to redirect the website to GLRC's website. Today, existing materials, including the roughly 250 pet waste trail signs throughout the region, direct to GLRC's "For Residents" page. The GLRC will continue to financially maintain the Pollution Isn't Pretty domain, pollutionisntpretty.org. GLRC members and MGROW will continue to distribute the campaign's printed materials at watershed-related events throughout the region until supplies are depleted.



The following GLRC members have placed Pollution Isn't Pretty signs in their communities: Lansing Charter Township (3); City of East Lansing (21); Ingham County Parks (5); Clinton County Parks (2); DeWitt Charter Township (3); Meridian Charter Township (5); City of Lansing (5); City of Grand Ledge (4); and MSU (1). Several signs have also been placed on the Lansing River Trail.

The Township's PIP signs are located at the following locations:



Along the Interurban Trail just west of Okemos Road; along Lake Drive just west of Lake Lansing boat launch; along Okemos – Hartrick Park trail west of Okemos Road; at trail head in Harris Nature Center, and at the end of Nemoke Trail just east of Pine Lake Drain.

The Township over the years had installed 27 dog waste stations within parks and along trails and pathways.

Dog Bag Dispenser Locations

1. Nancy Moore Park (3): end of Gaylord C Smith, Small Dog Park, Trail to Nemoke
2. Central South (1): end of parking lot at entrance to paved trail
3. Historical Village (1): at Nokomis parking lot
4. Big Dog Park (1): inside the entrance
5. Ottawa Hills Park (1): entrance to park
6. Cedar Bend Heights (1): entrance to park
7. North Interurban (4): 1 at Marsh, 2 at Okemos Rd and 1 at Burcham Drive entrance
8. Brattin Woods (1): at parking lot
9. Towner Road Park (2): 1 at each start of the pathway
10. Marshall Park (1): at the parking lot
11. Hillbrook Park (2): 1 at each parking lot
12. North Meridian Rd Park (1): at the parking lot
13. Eastgate Park (1): at the parking lot
14. Ted Black Woods (1): at the Grand River entrance
15. Davis-Foster Preserve (1): at the entrance to the trail
16. Harris Nature Center (1): at the entrance to the paved trail
17. Legg park (1): at the parking lot
18. Red Cedar Glen Preserve (1): at the Sylvan Glen Entrance
19. Sander Farm (2): 1 at Dobie Road entrance, 1 at Sago Way entrance
20. Tacoma Hills (1): at the Hamilton Road entrance
21. Wonch (1): at the parking lot

- 22. Ferguson (1): at the parking lot
- 23. Hartrick Park (2): 1 at front parking lot and 1 at the rear parking lot
- 24. MSU-Lake Lansing trail (4): Phase 1: at Hagadorn end, at Dawn Connection; Phase 2: at north end of Campus Hills, at Okemos Road.



Examples of dog waste stations installed by Meridian Township include these two stations along Interurban trail east & west of Okemos Road

Watershed Signage – With the help of local road commissions, signage was placed along roads to indicate watershed boundaries to passing vehicles, cyclists, and pedestrians. These were installed between 2005-2006 but are maintained indefinitely.

The Township has one such sign located at the end of Nemoke Trail, just of Pine Lake Drain that is still there and will be maintained indefinitely.

GLRC Exhibit Display – A traveling exhibit display was redesigned in 2014 to incorporate the PIP campaign and has been used extensively at local workshops, conferences, and outreach events. In 2017, a scroll style “pop up” banner was developed that could be utilized in more places, like outdoor events. When the display is not being used for a special event, it travels throughout the region to GLRC member offices. It was designed with the header “We All Live in A Watershed” to address previous survey results that indicated many residents do not know they live in a watershed. During 2023-2024, GLRC members displayed the scroll style banner in their lobbies or other public places for 3-4 weeks each year. A total of 7 communities have purchased their own scroll banners to display for longer periods. A table of the display usage can be found in Appendix A. As the GLRC Coordinator brings the display to members, additional copies of GLRC publications and educational materials are replenished as needed. Meridian Township’s stormwater scroll banner was displayed in Townhall lobby from December 15, 2022 to March 15, 2023.





Enviroscope – In late 2017, the GLRC purchased an Enviroscope Watershed model, a hands-on, interactive demonstration of the sources and impacts of stormwater pollution. It is utilized at events where time and setting allow for hands-on learning. In 2023, the Enviroscope was used at four events that included the Meridian Township Winter and Spring Green Fairs, Adopt A River, and the Red Cedar River Days celebration. In 2024, the Enviroscope was used at the Party for the Planet, Adopt A River, Red Cedar River Day Celebration, and at a Lansing Christian High School presentation.

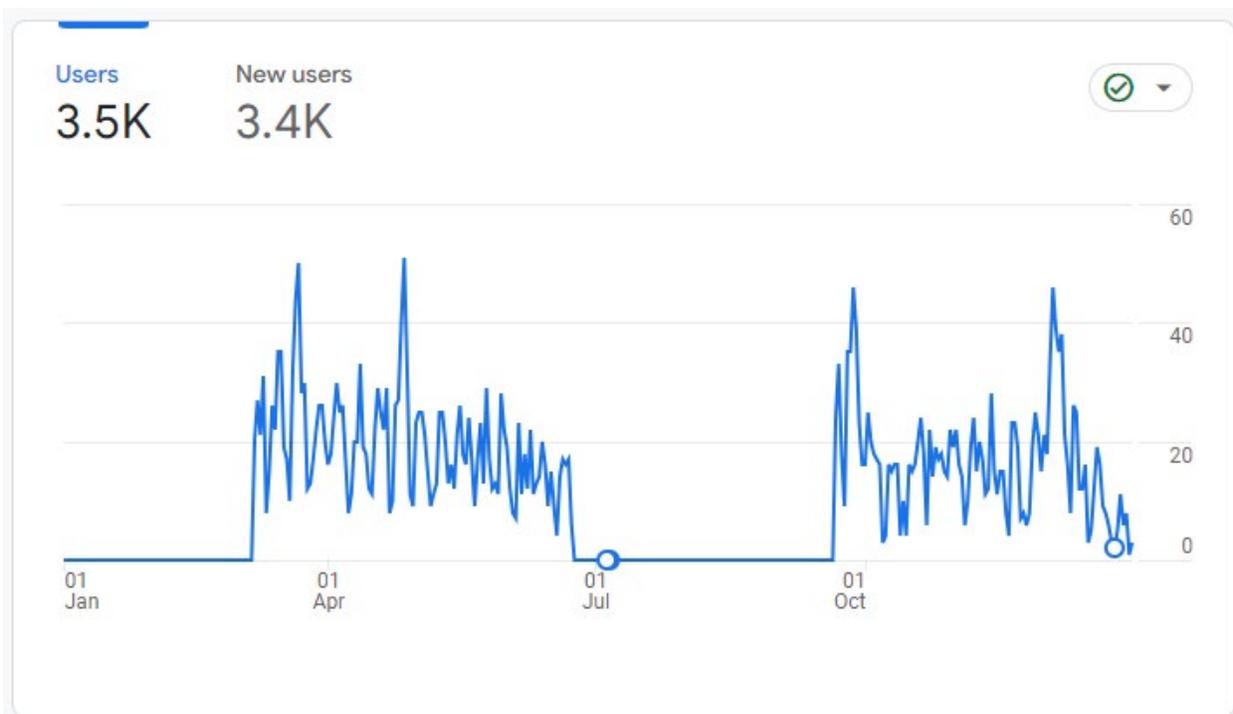


GLRC Website mywatersheds.org – The public website for the GLRC is regularly maintained and updated. The website includes significant amount of information relating to watersheds,

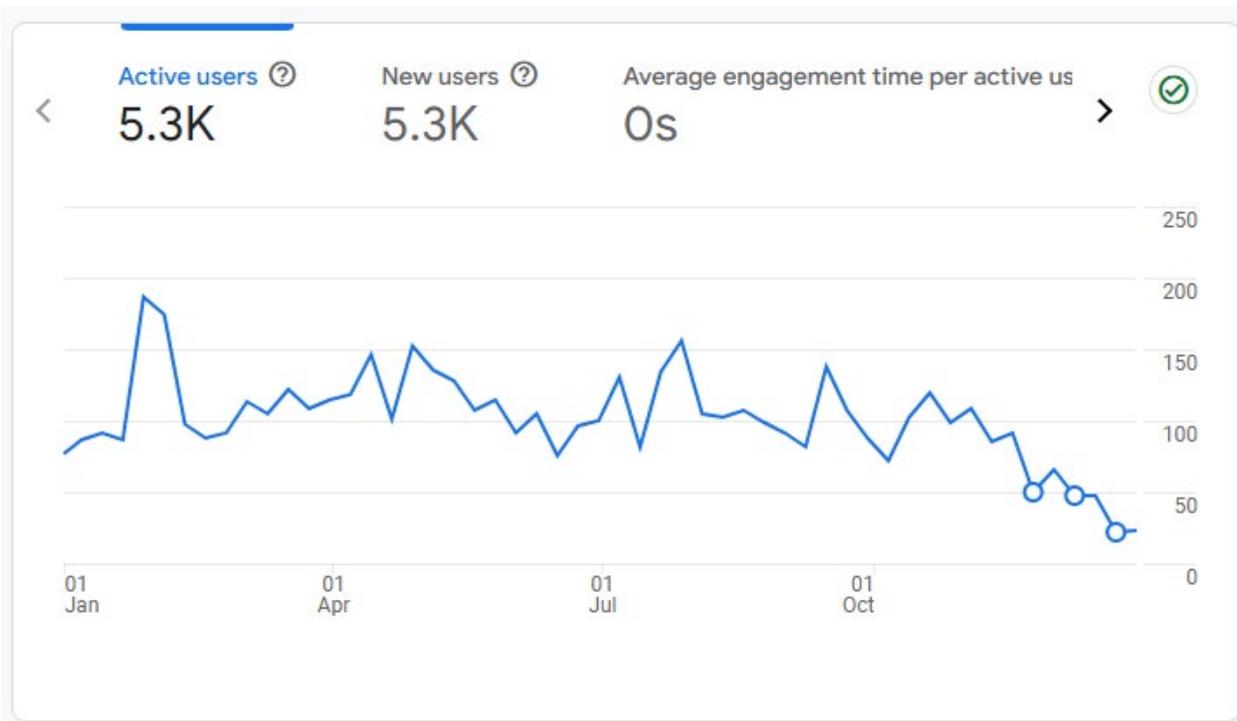
stormwater stewardship, meeting materials, GLRC reports, pollution prevention education, water stewardship and conservation events, how to plant a rain garden, links to additional resources, and more. All education outreach materials direct readers to the GLRC website for further education. The website was updated in 2020 to bring attention to the fact that “everyone lives in a watershed” after survey data indicated many residents did not realize they lived in a watershed. Many videos were also added throughout the site as data also indicated this is a preferred method of learning. In 2022, an additional webpage was created to showcase the new Augmented Reality Sandbox and serve as a landing page to direct teachers and the public in how to use the free educational tool. All content was reviewed for accuracy in 2023 and in 2024.

The PEP Committee reviews the website stats on a regular basis. In 2023, there were over 81,000 total hits on the website, as indicated by the “ticker” at the bottom of the webpage. Google Analytics show a total of 8,270 page views and nearly 4,500 sessions from January 1 – December 31, 2023. Over 3,400 new users visited the site, with spring and fall being the most popular times of year to visit.

WEBSITE USERS 2023



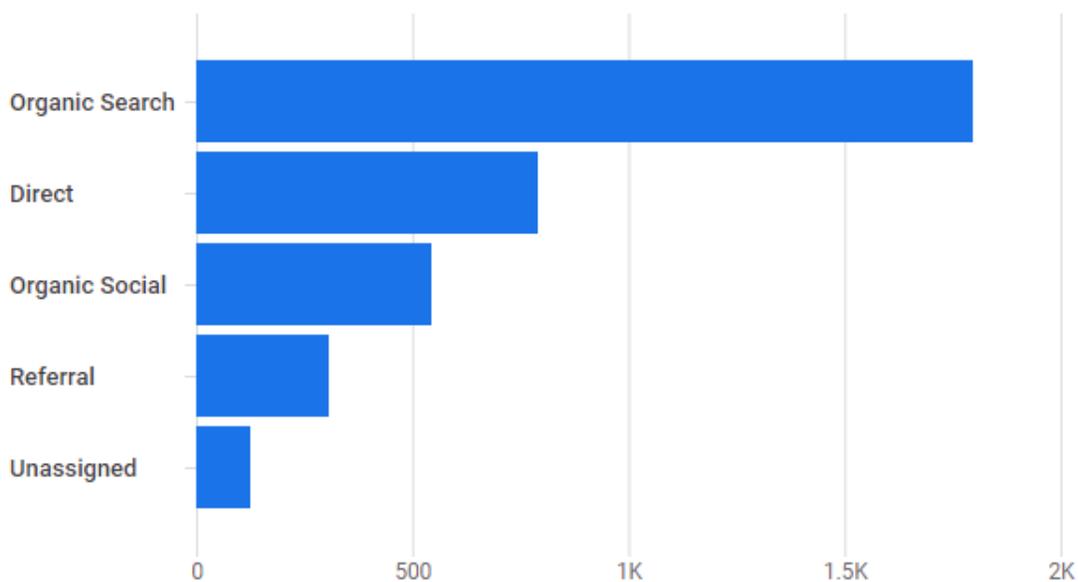
WEBSITE USERS 2024



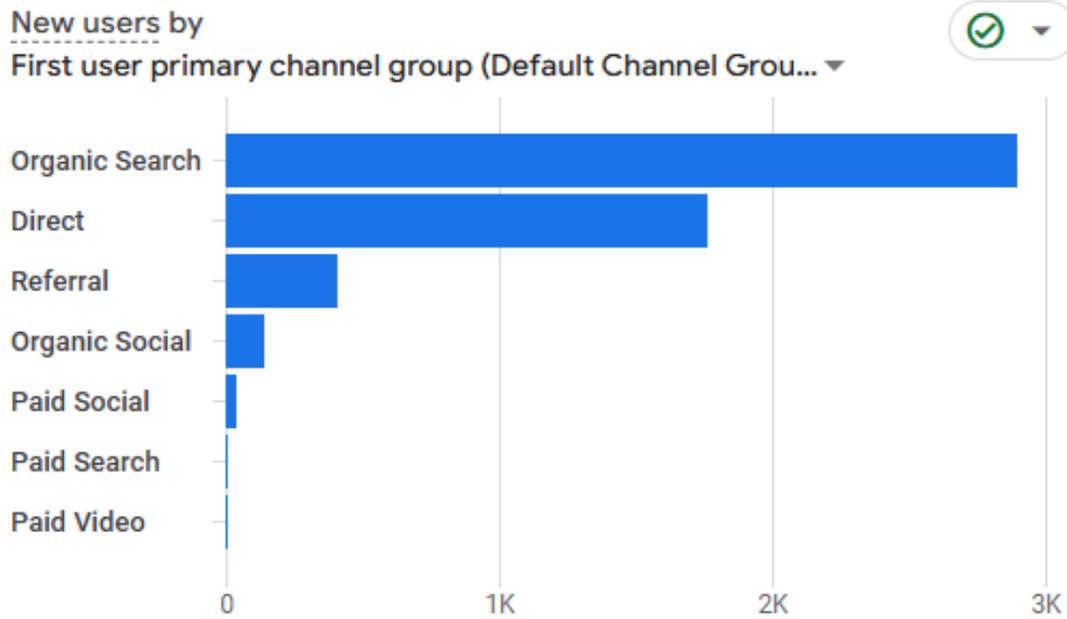
Most users arrived at the site via an organic search, indicating the website is accessible to the public.

WHERE WEBSITE USERS COME FROM 2023

Users by Session primary channel group (Default Channel Group)

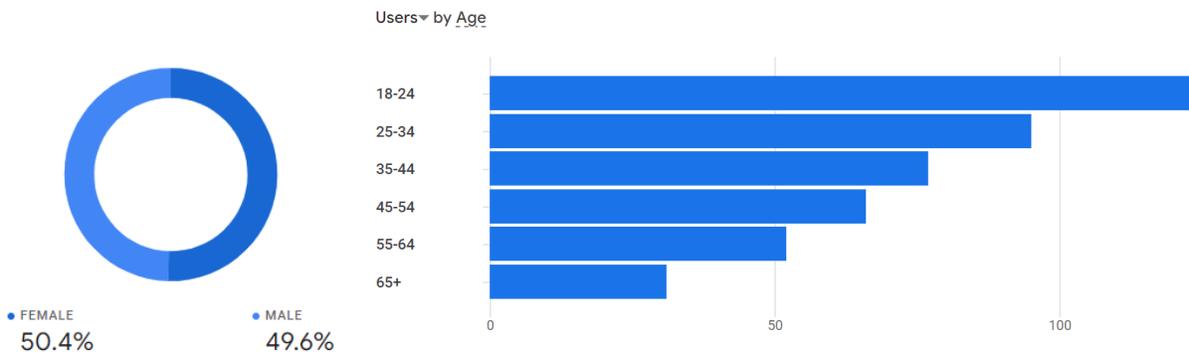


WHERE WEBSITE USERS COME FROM 2024

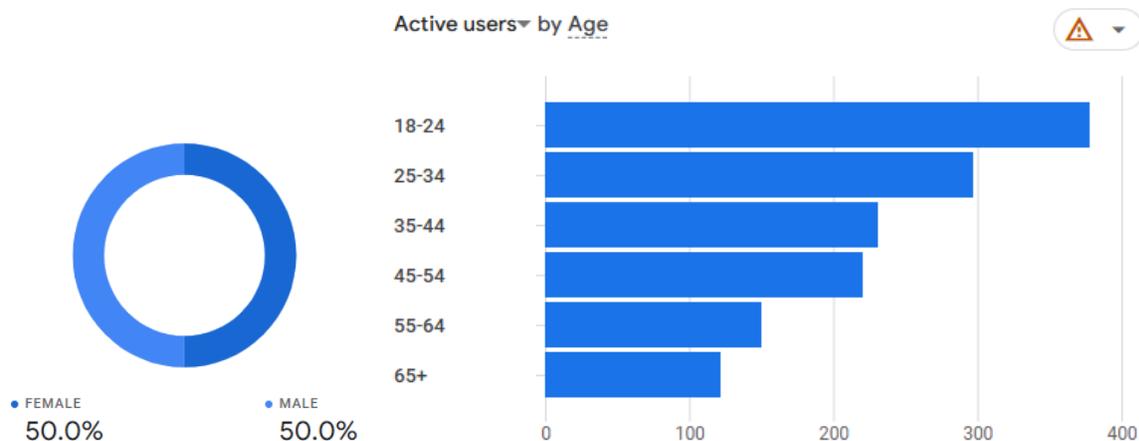


Users were equally divided between females and males, with young people aged 18-24 viewing the website more than any other age group.

2023 GENDER AND AGE



2024 GENDER AND AGE



The committee also tracks traffic to individual pages to monitor the strength of individual pages and interpret what information resonates well. GLRC’s homepage was viewed over 1,900 times in 2023, with “Rain Garden 101”, “Find My Watershed” and “What’s a Watershed” being the three most viewed pages.

TOP TEN PAGE VIEWS 2023

Page title and screen name	Views	Users	Views per user	Average engagement time	Event count	Conversions
	100% of total	100% of total	Avg 0%	Avg 0%	100% of total	100% of total
Greater Lansing Regional Committee for Stormwater Management	1,907	1,034	1.84	5s	4,444	1,729.00
Rain Garden 101	1,242	632	1.97	38s	3,200	619.00
Find My Watershed	878	534	1.64	9s	2,408	771.00
What’s a Watershed?	566	298	1.90	25s	1,315	385.00
The Different Types of Stormwater Sewers	343	189	1.81	22s	881	250.00
Pet Waste Management	333	212	1.57	1s	815	718.00
Meeting Agendas/Minutes	279	31	9.00	20s	471	73.00
Quarterly Newsletter	247	119	2.08	8s	557	146.00
Annual Reports	233	145	1.61	5s	536	34.00
About the GLRC	214	51	4.20	26s	354	107.00

In 2024, GLRC’s homepage was viewed over 1,800 times, with “Rain Garden 101”, “Stormwater Runoff Calculator” and “Find My Watershed” being the three most viewed pages.

TOP TEN PAGE VIEWS 2024

Page path and screen class	Views	Active users	Views per active user	Average engagement time per active user	Event count	Key events
	↓				All events	All events
Total	7,352 100% of total	5,282 100% of total	1.39 Avg 0%	0s Avg 0%	19,240 100% of total	19,181.00 100% of total
1 /	1,810	1,452	1.25	0s	4,910	4,899.00
2 /rain-garden-101	1,339	1,016	1.32	0s	3,617	3,605.00
3 /calculator	768	687	1.12	0s	2,179	2,170.00
4 /find-my-watershed	634	575	1.10	0s	1,810	1,805.00
5 /watersheds	315	264	1.19	0s	864	863.00
6 /quarterly-newsletter	279	151	1.85	0s	610	610.00
7 /ars	267	228	1.17	0s	741	736.00
8 /the-different-types-of-stormwater-s	262	233	1.12	0s	748	742.00
9 /events	235	89	2.64	0s	488	488.00
10 /meetingmaterials	172	31	5.55	0s	308	308.00

GLRC WEBSITE SUBPAGES

About the GLRC Webpage – This webpage introduces visitors to who and what the GLRC is, as well as our committees, members, Work Plan, Public Education plan, and Public Participation Plan. In 2023, the “About the GLRC” webpage had 65 views and in 2024 it had 80 views.

Illicit Discharges Webpage - GLRC maintains a page on reporting illicit discharges, which received 21 views in 2023. In 2024, the illicit discharges page received 22 views.

Meridian Township webpage information and contents can be accessed at this link:

<https://www.meridian.mi.us/community/green-meridian/stormwater-management>

The webpage explains the impact of stormwater runoff on the environment, and what the Township is doing to reduce the impact of pollutants from its storm system. The website has several stormwater awareness short videos produced by the Township’s communications department.

1

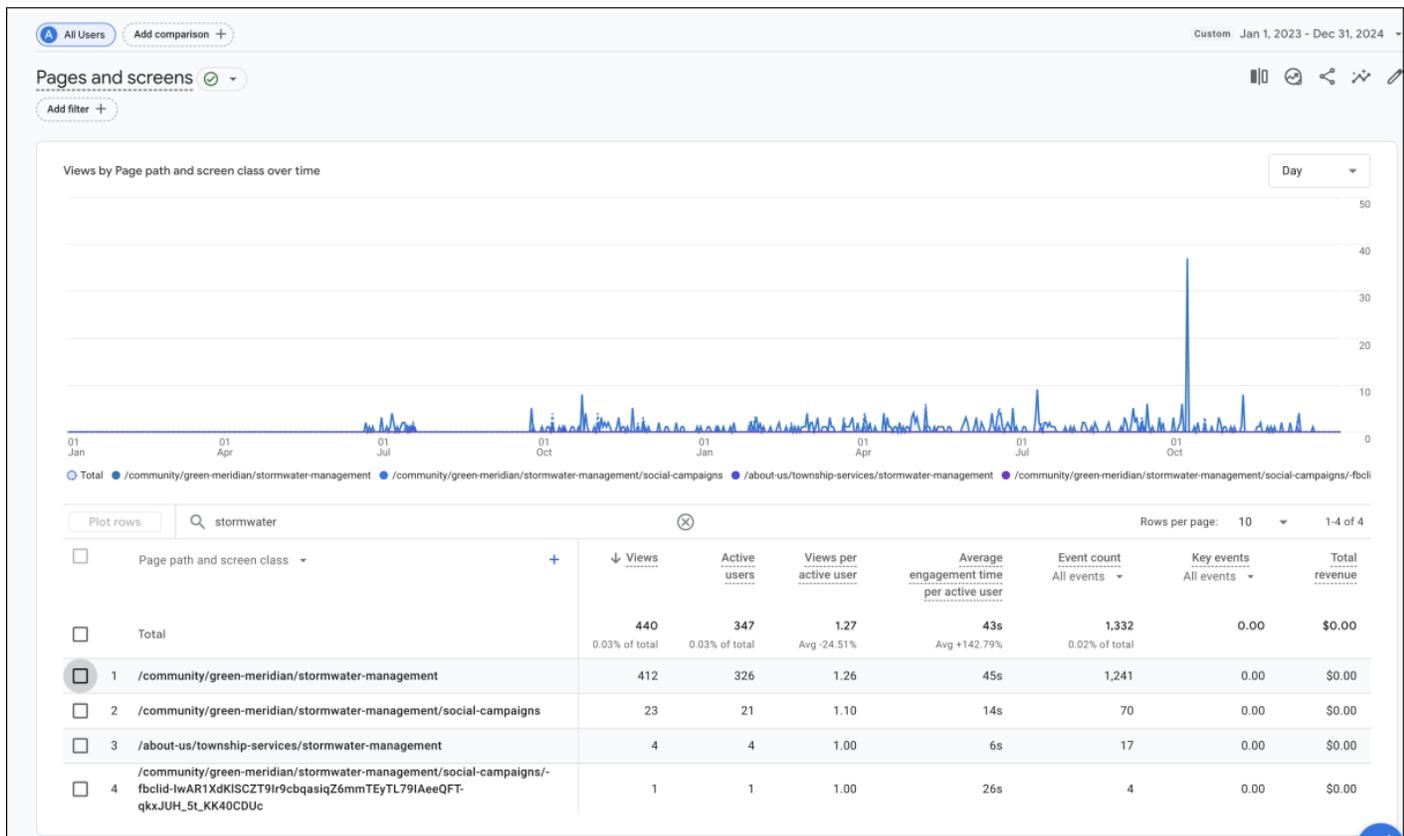


Pollution Isn't Pretty: Sanitary Sewers vs. Storm Sewers
MeridianTownship • 297 views • 9 years ago

The Township website has the following subpages that provide recommendation and resources to the public:



Google Analytics shows a total of 440 total views during this Progress Report period.



We have provided the name of the person and his contacts for the public in case they have questions about the Township’s stormwater management plan, as follows:

“If you have questions or comments regarding Meridian Township's Stormwater Management Plan, please contact Chief Engineer Younes Ishraidi at 517.853.4460 or ishraidi@meridian.mi.us”

Meridian Township has a separate page for illicit discharge information which provides reporting contacts for suspicious discharges to the storm system and natural drainage outlets, as follows:

If you happen to see something entering or exiting a storm pipe, catch basin, or drainage ditch that looks, smells or feels like something other than stormwater, please contact Meridian Township Chief Engineer Younes Ishraidi by email at ishraidi@meridian.mi.us or call 517.853.4460. You can also report polluters through the Michigan Department of Environmental Quality’s Pollution Emergency Alerting System (PEAS) hotline at 800.292.4706.

For Residents Webpage – This page was developed on the website to allow GLRC members and the public to review files for educational purposes. These files include brochures, posters, articles, seasonal tips, and other information to educate residents on stormwater pollution prevention. The webpage is updated regularly to add new materials and video content is emphasized. The “For Residents” webpage had 90 views during the 2023 and 73 views during 2024.

The “For Residents” page features the following educational flyers, which are included within quarterly newsletters. The articles are updated periodically for content and design updates. A suggested timeline for seasonal articles is also provided.

What is a Watershed?
Pet Waste and the Environment
Riparian Buffers
Storm vs. Sanitary Sewer Systems
Septic System Overview
Illicit Discharges
Adopt Your Catch Basin

Safe Fertilizer Use
Vehicle Maintenance
Wetlands: An Overview
Septic System Maintenance
Responsible Car Washing
Rain Gardens: A Homeowner’s Guide

FOR RESIDENTS

All of us play a role in keeping our watersheds healthy! Check out these GLRC resources to learn what you can do to reduce stormwater pollution.

- Always conserve and reuse water wisely.
- Soil test before you apply fertilizers. Use low or no-phosphorus fertilizers.
- Use native vegetation and reduce turf grass.
- Capture and reuse rainwater to control stormwater runoff.
- Dispose of pet waste properly.
- Wash your car at a car wash facility (or on a lawn) instead of a driveway.
- Maintain all vehicles, eliminating leaks and spills.
- Recycle and dispose of household chemicals properly.
- Regularly inspect and maintain onsite septic systems.
- Join a watershed organization.

Stormwater Management

EDV: Many household items should be recycled at special collection facilities, not discarded as trash! 01:40

DOX: How do our pet contributions to nutrient pollution in rivers, streams, and the Great Lakes? 01:05

DOX: Rainwater is naturally soft, or free of dissolved minerals. This improves plants' nutrient uptake. 02:01

People love their lawns. 01:14

DOX: Fertilizer is a source of nitrogen for algae blooms which threaten water of streams & make swimming unsafe. 01:00

Watersheds – Under the Watersheds tab, three pages titled “What’s a Watershed”, “Find My Watershed”, and “About My Watershed” help residents learn more about the watershed in which they live. The Watersheds tab also provides links to watershed management plans throughout the tri-county region. In 2023, a “How’s My Waterway” button was added for residents to be able to check on water quality within local bodies of water. In 2023, the “Find My Watershed” webpage was the most popular with 948 views, while “What’s a Watershed” had 576 views and “About My Watershed” had 96 views. In 2024, “Find My Watershed” webpage was again the most popular with 606 views, while “What’s A Watershed” had 285 views, and “About My Watershed” had 140 views.

Different Types of Sewers – On the Different Types of Sewers webpage, visitors can learn the difference between sanitary and storm sewer systems, what a combined sewer overflow system is, and how a typical catch basin works. The page contains helpful diagrams and increases understanding of municipal separate storm sewer systems. In 2023, the popular webpage received 343 views and in 2024 it had 249 views.

Augmented Reality Sandbox (ARS) – This newly created webpage continued to promote use of the interactive ARS that allows users to create topographic models by shaping real sand, which is then augmented in real time by an elevation color map, topographic contour lines, and simulated water. Nearly 180 people visited the webpage in 2023 to learn more about this free educational tool and how to request it. An additional 247 people visited the webpage in 2024.

For Educators Webpage – The PEP Committee maintains a webpage on the GLRC website for educators in the region. The page serves as a resource guide for anyone interested in environmental education. State and federal environmental curriculum is highlighted as well as links to lesson plans. It includes resources and example projects that the schools can integrate into their current activities. This page is updated on a regular basis with lesson plans. During 2023, this webpage had 25 views and in 2024 it had 10 views.

For Members Webpage – The GLRC developed this webpage in 2019 to house relevant documents and information for municipalities. There is particular focus on making it easier to view and use digital PEP materials and request physical resources for outreach events. During 2023, this webpage had 43 views and in 2024 it had 26 views.

Runoff Calculator – A tool to calculate the runoff from one’s own home continues to be popular on the “Runoff Calculator” webpage, educating residents on the effects of rainwater on our homes. In 2023, a total of 208 people calculated the runoff their home generates and were directed to the rain garden resources page. In 2024, this figure tripled, with 719 people visiting the “Runoff Calculator” webpage.

Be Septic Smart Webpage – The GLRC developed a septic focused webpage to house info on septic systems, time of sale programs, GLRC’s septic-focused video and EPA’s “Septic Smart” videos. The “Be Septic Smart” webpage received 22 views during 2023 and 67 views during 2024.

Rain Garden 101 – Our most popular webpage, Rain Garden 101, includes manuals, videos, and planting resources to help homeowners plan and install their own native plant rain garden. Residents were commonly directed to this page and its updates during this reporting cycle, which received 1,243 views in 2023 and 1,235 views in 2024.

Local Green Infrastructure Projects -- This page was added to highlight Lansing area green stormwater infrastructure projects and includes the video clip developed as part of the Greening Mid-Michigan project. It had 106 views during 2023, and 64 views in 2024.

Household Hazardous Waste – Respondents to previous GLRC surveys indicated they were not utilizing household hazardous waste sites because they didn’t know where they were. In response, the GLRC created a webpage dedicated to these resources. It includes links to recycling and household hazardous waste collections in the tri-county area. In 2023, sections on medication and asbestos disposal were added. In 2024, a section on the *Safer Choice* products and program was added. This page received 118 views in 2023 and 80 views in 2024.

Events Calendar – The PEP Committee is continuously updating the GLRC calendar with applicable meetings, webinars, educational opportunities, recreation and cleanup activities, native plant sales, and household hazardous waste collection events throughout the watersheds. The “Events” page received a total of 108 views during 2023 and 161 views in 2024.

Stormwater News – The PEP Committee continues to use and promote a series of news articles. They are posted on the GLRC website so members can easily include them in their local community newspapers and newsletters. A total of 19 articles were posted on this webpage in 2023, receiving 90 views. In 2024, a total of 23 articles were posted, receiving 133 views.

Presentations – The following presentations were given by the GLRC Coordinator within the reporting period:

- February 26, 2023: Assisted in training seven teachers in watershed management and stormwater pollution prevention as part of the National Oceanic and Atmospheric Administration’s Bay Watershed Education and Training (B-WET) grant.

- March 14, 2023, May 24, 2023, and June 16, 2023: Presented on major activities, accomplishments, outreach, and events of the GLRC to TCRPC's 19-member Board of Commissioners.
- April 26, 2023: Provided an overview of the GLRC and how residents can prevent stormwater pollution and protect our waters to train Clean Water Action's seven canvassers. One hundred copies of each of GLRC's six educational brochures were provided for them to distribute as needed to residents.
- September 28, 2023: Spoke with four Capital Area Humane Society Staff on responsible pet waste management, requesting distribution of 450 pet waste bag dispensers to every new dog adoption along with an educational brochure on the topic.
- Throughout 2023 and 2024, the GLRC Coordinator attended Meridian Township's weekly Wednesday Green Dialogue meetings at least once a month. Township residents interested in environmental issues meet for free-flowing discussion and presentations. The GLRC Coordinator provides regular updates on Committee activities to this group and helps connect them with regional resources.
- February 28 and July 9, 2024: Presented on major activities, accomplishments, outreach, and events of the GLRC to TCRPC's 19-member Board of Commissioners.
- March 11, 2024: Hosted a virtual and in-person presentation from the ETC Institute on the results of the Greater Lansing Regional Water Quality Education Survey to 24 attendees.
- March 28 and April 2, 2024: Partnered with Eaton Conservation District to host two workshops on stormwater management with the Augmented Reality Sandbox at the East Lansing Public Library in conjunction with the MSU Science Festival. Each workshop had many homeschool students in attendance, with 15 people attending each workshop.
- April 17, 2024: Presented on Citizen Engagement with Water Quality as a guest speaker to Meridian Township's Green Dialogue, sharing data from the recent Greater Lansing Regional Water Quality Education Survey with 14 members of the Green Team.
- December 16, 2024: Presented a stormwater seminar with guest expert in stormwater management from Delhi Township to a freshman class of 23 at Lansing Christian High School. Participants engaged in a slide show, use of the Enviroscope, and a hands-on activity matching ducks to forms of surface water pollution.

GLRC Annual Report – The first GLRC Annual Report was developed in early 2012. The intent of the report is for GLRC members to share it with their boards, councils, and commissions in order to demonstrate the work that has been done throughout the year. TCRPC also shares the report with TCRPC Commissioners, newsletter subscribers, and on the website.

In 2023, it was decided to offer the annual report at outreach events throughout the region. A total of 144 annual reports were distributed at events, with all 500 printed copies distributed to members and partners throughout the year. In 2024, a total of 108 reports were distributed at events, and another 352 distributed to members and partners throughout the year.

GLRC Quarterly Newsletters – The GLRC began publishing quarterly newsletters in January 2010 and continues to do so. The newsletters are posted on the GLRC and TCRPC websites and are shared through an email distribution list of over 600 stakeholders. It is recommended that GLRC members share the newsletters with elected officials and appropriate boards, councils, and commissions. Efforts to increase subscribers on the website, at outreach events, and with partners led to a doubling of subscribers in 2023 but many names were corrected and weeded out when transferring to an e-edition via Constant Contact in the summer of 2024.

Edition	Date sent	Number of Recipients
Winter 2023	1/20/2023	611
Spring 2023	4/26/2023	626
Summer 2023	7/27/2023	1,202
Fall 2023	10/18/2023	1,289
Winter 2024	1/30/2024	903
Spring 2024	4/30/2024	957
Summer 2024	7/30/2024	607
Fall 2024	10/18/2024	602

GLRC Fact Sheet – A fact sheet describing the Phase II program and purpose of the GLRC was created in 2017 and updated in 2022 to help community leaders quickly understand the requirements of the program and how the GLRC helps to implement them. This educational piece is distributed with annual reports, dues invoices, and to new TCRPC Commissioners to help those in leadership roles understand their municipality’s responsibilities and the GLRC resources available to them.

Social Media – The GLRC joined Facebook and Twitter in December 2009. Post content is related to watershed stewardship, public involvement, and participation. Information on GLRC and partner events are also posted frequently. In 2023, 1,425 people followed GLRC on Facebook and there were 428 followers on X. Totals from 2024 are similar, with Facebook followers of 1,422 and X followers of 383. The GLRC places emphasis on the use of paid advertising through Facebook boosts to spread our messaging on required PEP topics. This tool allows the GLRC to

target residents within the urban area of the tri-county region and ensure that we reach people who do not already interact with our page. The GLRC Coordinator also began posting on Instagram in 2023, attracting 73 followers with a total reach of 1,115 accounts. In 2024, 77 people followed GLRC on Instagram, reaching 1,030 accounts.

In 2023, GLRC's social media posts reached 42,375 Facebook accounts with 838 engagements on Facebook and Instagram. In 2024, GLRC's posts reached 63,706 on Facebook, with 651 engagements on Facebook and Instagram. Reach is defined as the number of Facebook and Instagram accounts that saw a post at least once and is separate from impressions, which may include multiple views of your post by the same Facebook and Instagram accounts. Engagements are defined as the number of reactions, comments, shares, and clicks on GLRC posts.

Paid posts or Facebook boosting has allowed GLRC to target all urban areas within the tri-county region. When boosting, posts can be displayed not just on Facebook, but also on Instagram, Messenger, Facebook Marketplace, and in the sidebar of Facebook. GLRC also purchased Google Ads in 2023 to promote their responsible car washing video and educational message, receiving over 118,500 impressions. An impression is the number of times GLRC posts published during the time frame were displayed on a person's screen.

GLRC expanded its use of Google Ads in 2024, purchasing an ad to promote their rain garden video short which encourages using native plant rain gardens and rain barrels to protect the environment and reduce runoff, as well as encouraging viewers to learn more about green infrastructure solutions at mywatersheds.org. The ad received 257,837 impressions and 2,127 people watched the entire video. Google Ads was also utilized to promote the GLRC's long video on how to manage your septic system, and the harmful effects upon our waterways when it is not properly maintained. The video encourages homeowners to save money and extend the life of their septic system through proper inspections, not pouring grease and fats down the drain, only putting waste down drains, spreading out laundry and dishwashing loads, and to view the website for more information. This ad received 218,352 impressions and was viewed for at least 30 seconds by 1,854 people.

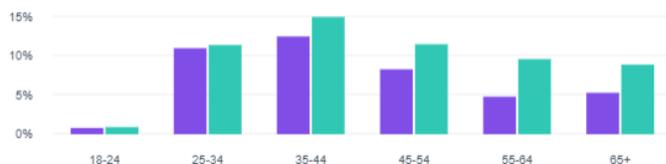
The GLRC has not advertised on Twitter during the reporting period. During 2023, total Twitter impressions were 4,808 with 121 engagements. During 2024, X impressions were 3,581 with 68 engagements. An engagement is the number of times people clicked on the images, GIFs, and videos in tweets GLRC published during the time frame. A table of all social media posts, their content, relation to PEP topics, and reach is included in Appendix B.

View GLRC's social media pages here: facebook.com/GLRC4stormwater/, and twitter.com/GLRC4stormwater, and instagram.com/mywatersheds/.

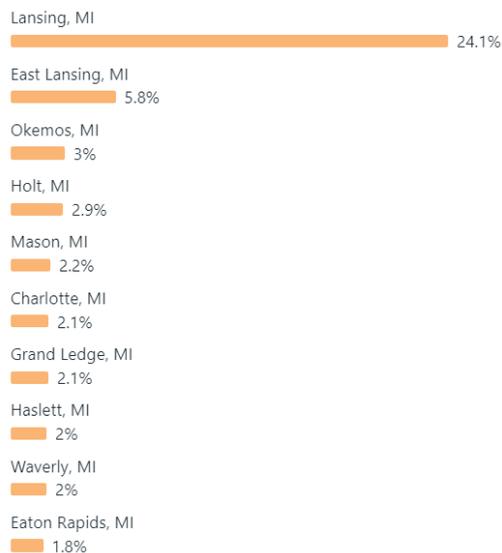
FACEBOOK DEMOGRAPHICS 2023

Age and Gender

Men 42.60%
Women 57.40%



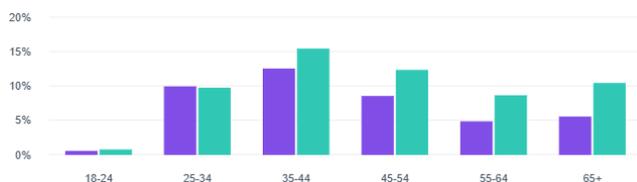
Top cities



FACEBOOK DEMOGRAPHICS 2024

Age and gender

Men 42.30%
Women 57.70%



Location

Cities Countries

Location	Count
Lansing, MI	333
East Lansing, MI	78
Holt, MI	42
Okemos, MI	39
Charlotte, MI	32
Mason, MI	32
Haslett, MI	28
Waverly, MI	26
DeWitt, MI	25
Eaton Rapids, MI	25

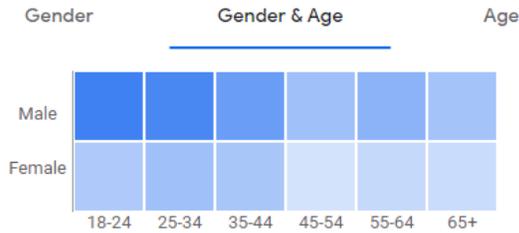
Video -- Survey results have indicated that respondents prefer learning about environmental issues through video. As such, GLRC invested in a suite of videos for inclusion on the website, Facebook, and YouTube. One video is two minutes and explains the GLRC and basic stormwater pollution prevention, other videos cover the required PEP topics. Most topics have two videos: one that is roughly 60-90 seconds and one that is under 15 seconds, as 15 seconds is the maximum length of a non-skippable ad. The GLRC pays to promote these videos on YouTube, Meta, and Google Ads.

The use of Google Ads during 2023-2024 helped expand GLRC's reach by capturing younger males aged 18-34 as one quarter of its audience. The GLRC's multimedia approach is meeting residents where they are and ensuring our outreach material has a broad reach. It also helps us diversify the places our ads display, because these ads show up throughout the Google ecosystem and on

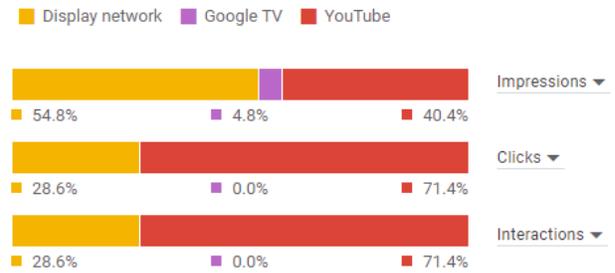
any website that uses Google Ads. View the GLRC's YouTube channel here: youtube.com/channel/UCm-2OdB67N_dSAnR5osYSFw.

GOOGLE ADS 2023 SUMMARY

Summary of the demographic groups your ads are reaching by age and gender

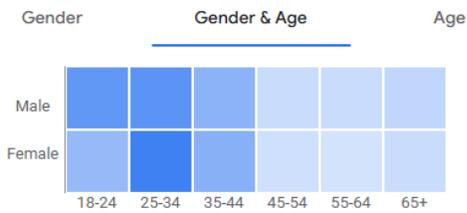


Summary of how your ads are performing on these networks

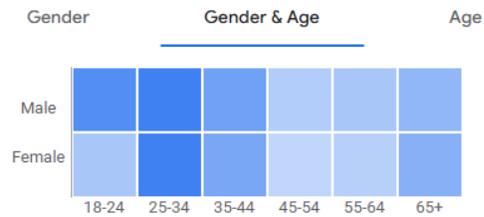


GOOGLE ADS 2024 SUMMARY AUGUST AND SEPTEMBER

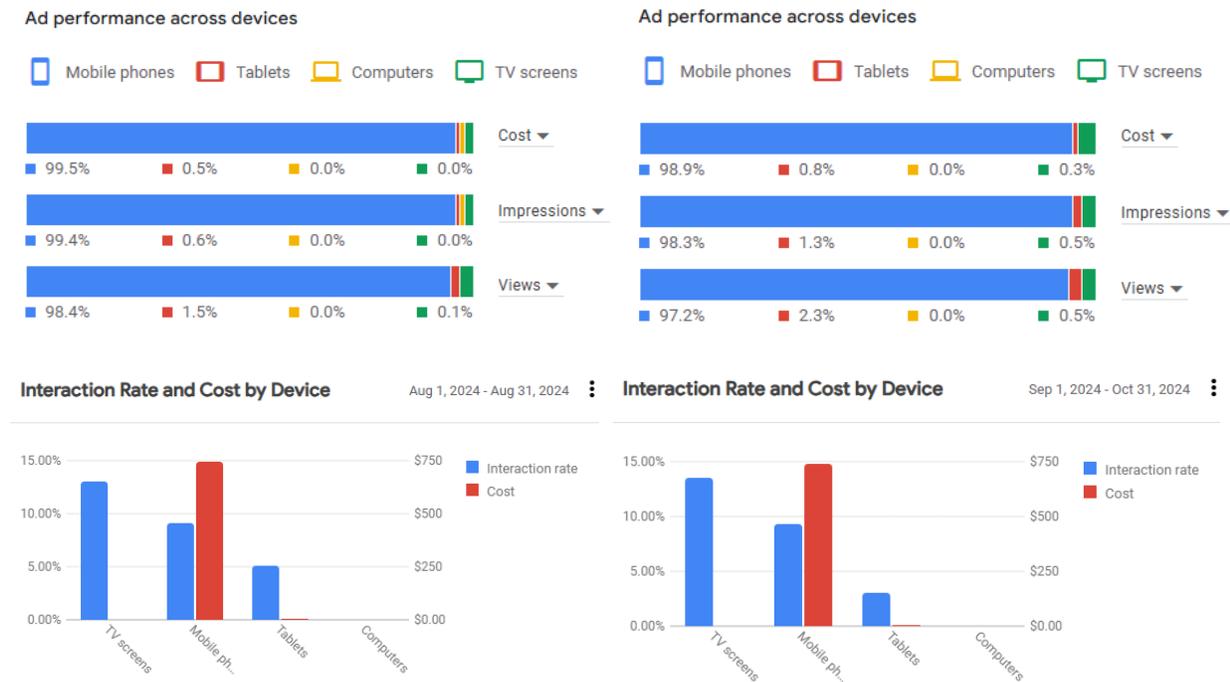
Summary of the demographic groups your ads are reaching by age and gender



Summary of the demographic groups your ads are reaching by age and gender



GOOGLE ADS 2024 SUMMARY AUGUST AND SEPTEMBER



Brochures – As mentioned, the GLRC reprinted its six educational brochures during the reporting period. These brochures are distributed at events and lobbies. The GLRC Coordinator distributed 2,819 brochures at events during 2023 and 2024. A compilation of this distribution occurs in Appendix C. The following reflects distribution of brochures related to individual required PEP topics.

- Topic A: 2,819 brochures distributed
- Topic B: 2,819 brochures distributed
- Topic D: 830 brochures distributed
- Topic E: 1,950 brochures distributed
- Topic F: 2,465 brochures distributed
- Topic G: 1,552 brochures distributed
- Topic I: 840 brochures distributed

Similar information is presented digitally on the website and on social media.

Overall, 6,794 total pieces of outreach material - including MyWatersheds.org stickers, cups, water bottles, bracelets, rain garden seed cards, pet waste bag dispensers, etc. were distributed by the GLRC coordinator at events during the reporting period. An additional 1,000 pieces were purchased for use by members during their events.

Dog Calendar Contest – The annual Dog Photo Calendar Contest offered residents a chance to see their dog as a month’s feature photo and win a \$20 gift card to an area pet store. To enter,

contestants must read about pet waste’s impact on water quality and pledge to pick up after their pets. The GLRC launched the first contest in 2018 and it grew steadily through 2020 with 300 plus participants each year but declined in 2021 with 121 participants and again in 2022 with only 27 participating. It was decided to try one more time with a new format in 2023, but the contest only attracted 21 participants even with paid advertising. All participants in 2023 were added to the GLRC’s newsletter mailing list to educate them on further ways to protect the watershed. Due to low participation, the contest will not be continued in a calendar format.

2024 CALENDAR

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6				1	2	3						1	2		1	2	3	4	5	6	
7	8	9	10	11	12	13	4	5	6	7	8	9	10	3	4	5	6	7	8	9	7	8	9	10	11	12	13
14	15	16	17	18	19	20	11	12	13	14	15	16	17	10	11	12	13	14	15	16	14	15	16	17	18	19	20
21	22	23	24	25	26	27	18	19	20	21	22	23	24	17	18	19	20	21	22	23	21	22	23	24	25	26	27
28	29	30	31	25	26	27	28	29	24	25	26	27	28	29	30	28	29	30									

MAY							JUNE							JULY							AUGUST									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
			1	2	3	4						1		1	2	3	4	5	6				1	2	3					
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10			
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17			
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	16	19	20	21	22	23	24			
26	27	28	29	30	31	23	24	25	26	27	28	29	28	29	30	31	25	26	27	28	29	30	31							

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
1	2	3	4	5	6	7				1	2	3	4	5						1	2	1	2	3	4	5	6	7
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	6	9	10	11	12	13	14	
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	
29	30	27	28	29	30	31	24	25	26	27	28	29	30	29	30	31												



We love our dogs, but nobody enjoys picking up their waste. Yet when left on the ground, rain can wash dog waste (and the bacteria and harmful nutrients in it) down our storm drains where the water discharges directly into our lakes, rivers, and streams.

Follow GLRC for tips on protecting our watershed

@GLRC4Stormwater

mywatersheds.org @mywatersheds

Produced by:

GREATER LANSING REGIONAL COMMITTEE
FOR STORMWATER MANAGEMENT
www.mywatersheds.org

TRI-COUNTY regional planning commission

Rain Garden Seed Cards – In 2017, the GLRC began distributing rain garden information cards printed on paper embedded with native black-eyed Susan seeds. These provide information on the benefits of native plantings and provide residents with seeds to plant their own. They have proven very popular at events. Over 840 were distributed but only 24 were distributed during the reporting period due to low supplies. This campaign will likely be continued in the future.

Dog Waste Bag Dispensers -- In 2017 the GLRC began distributing branded dog waste bag dispensers with the tagline “In The Bag, Not The River” to meet pet waste education requirements. To receive one at events, attendees must sign a pledge to pick up after their pets, with the option to join the e-newsletter mailing list. In 2023, a total of 542 pet waste bag dispensers were provided, which included 450 given to the Capital Area Humane Society for distribution. In 2024, a total of 117 pet waste bag dispensers were distributed at events. The GLRC will continue to offer this popular tool to encourage all



residents to “pledge to scoop” at area events and plans to provide dispensers to the Humane Society every other year.

Green Infrastructure Bike Tour – A bicycle tour of area green infrastructure was developed in 2019 to provide users an interactive experience and inspire them to install green infrastructure on their own properties. The bike tour follows area bike trails and includes a printable map as well as a custom Google Map. In 2023, 77 maps were distributed at area events and in 2024, 18 were distributed.

Green Stormwater Infrastructure
When it rains in an urban environment, water flows off of impervious surfaces like driveways, buildings, and roads. This run-off is called stormwater. Any pollutants on the ground, like pet waste, leaking motor oil, and litter can be swept up by stormwater run-off as it flows towards our waterways. This is the number one cause of water pollution in urban environments.

Green Stormwater Infrastructure (GSI) addresses this by mimicking the natural landscape to slow, absorb, and filter run-off. Using GSI to manage stormwater not only helps improve water quality, it's cost-effective, low maintenance, and beautifies our cities!

GSI you will see on this tour:

- Rain Gardens** are depressed vegetated gardens that allow rain water to pool before being absorbed by soil and vegetation.
- Rainwater Harvesting** systems collect and store rainfall for later use. When designed appropriately, they slow and reduce run-off and provide a source of water. A rain barrel collecting roof run-off is an example.
- Riparian Buffers** are vegetated areas adjacent to a stream or river that preserve water quality by filtering sediments and pollutants from run-off before it enters the waterbody. It also protects banks from erosion and provides storage area for flood waters.
- Permeable Pavement** consists of a permeable surface that allows stormwater to pass through it into storage reservoir below rather than become run-off.
- Green Roofs** are rooftops that include a covering of vegetation that enables rainfall infiltration and evapotranspiration of stored water. They can aid in stormwater management by reducing runoff and improving water quality.
- Bioretention** is a water quality practice that utilizes landscaping and soils to treat stormwater runoff by collecting it in shallow depressions before filtering through a fabricated planting soil media.
- Waterway or Drain** indicates a river confluence or nearby county drain.
- Stormwater Trees and Urban Canopy** are trees in urban settings that intercept and absorb rainfall, reducing flow volumes. Their leaf canopies help reduce erosion caused by falling rain and provide surface area where rain lands and evaporates.

2. Toward Rain Gardens

3. Moores Park Urban Canopy

4. Beal Gardens Riparian Buffer

5. I.M Sports West Porous Asphalt

15. Barnes Ave Permeable Pavement

17. Michigan Ave Rain Gardens

View the online map!
for additional information on Greater Lansing GSI, visit:
www.MyWatersheds.org/BikeTour

This map of Green Stormwater Infrastructure (GSI) is brought to you by the Greater Lansing Regional Committee for Stormwater Management (GLRC). The GLRC guides the implementation of the MS4 stormwater program for participating communities in the Red Cedar, Looking Glass, and Grand River Watersheds.

www.MyWatersheds.org

GREATER LANSING REGIONAL COMMITTEE
FOR STORMWATER MANAGEMENT
www.mywatersheds.org

Watershed Tattoos – The GLRC added an additional “swag” item to distribute during the permit cycle: a temporary Middle Grand River watershed tattoo. Sized to fit a hand, it creates a geographically accurate depiction of the Middle Grand River watershed overlaid the Michigan “mitten”.

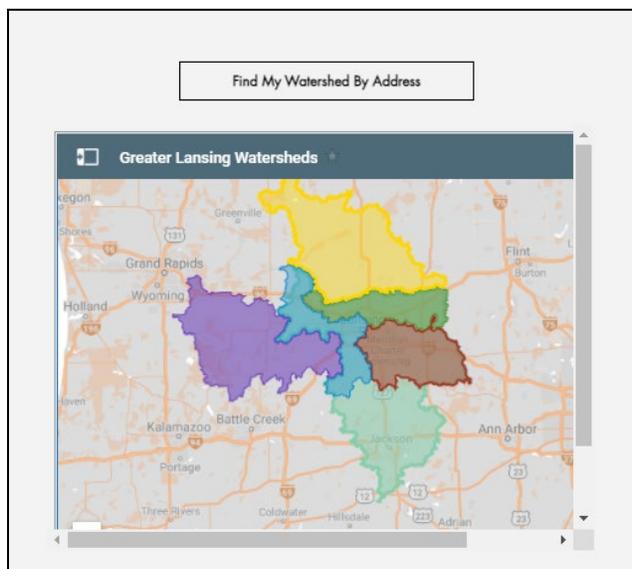
Color Changing Cups and Sport Water Bottles – In 2021, the GLRC designed a reusable cup and in 2022, a sport water bottle for event giveaways. As the cup changes with the temperature of the water, it engages children and both promotional items allow for discussion on how the GLRC works to protect our water. These lasting items drive residents to the website, and the cups were also utilized by participants at the GLRC seminar in 2022. In 2023, 404 cups were distributed at area events along with 200 sport water bottles. In 2024, the remaining 47 cups were distributed, along with 100 sport water bottles.



Pollution Isn't Pretty Bracelets – Stretchy bracelets with the theme “Pollution Isn't Pretty” written on them were produced during the PIP campaign in 2018. This popular item was distributed to 238 children at events during 2023 and to 132 children during 2024.

GLRC Bags – Reusable tote bags with the GLRC's name and website were designed in 2021 and distributed at area events. A total of 109 bags were given away in 2023, using the remaining supplies. In late 2023, a drawstring backpack was designed to replace the tote bags. A total of 498 drawstring backpacks were distributed from 2023-2024.

Find My Watershed Tool – In 2019, GLRC developed a Find My Watershed Tool. Users can plug in their home address and see which watershed they live in and where they live within it. It also provides information about the watershed, links to 319 plans, and contact information for watershed organizations focused on stewardship within its boundaries. Survey results indicate that many residents do not know that they live in a watershed and this tool has made it easier for them to learn about the watershed they call home. This tool has been viewed 73,906 times since its debut.



General Outreach/Education Efforts – The GLRC Coordinator partners with several different groups, agencies, and organizations

in the region. Here is a summary of general collaboration and activities related to stormwater and pollution prevention:

- March 4, 2023 and March 1, 2024 – Promoted and exhibited at the Quiet Adventures Symposium (QAS). No sponsorships were purchased, but the GLRC Coordinator interacted with 881 people at these two events.

- March 2023 – Assisted the City of Lansing in writing a Volunteer Stream Cleanup Program grant and submitted a letter of support for their two cleanup projects on behalf of GLRC.
- June 10, 2023 - The GLRC Coordinator promoted and participated in the Lansing Rivers and River Trail Cleanup along the Middle Grand and Red Cedar Rivers. Over 260 volunteers and 30 organizations participated in the community event, with 3-4 tons of trash removed.
- August 5, 2023 and August 3, 2024 - 21st and 22nd Annual Chuck Gorman Youth Day. Discussed the watershed and how to protect it while teaching 75 youth how to paddle a kayak in 2023, reaching 83 youth in 2024. An estimated 250 people attend the event, with a parent presence required at the kayaking station on Stony Creek.
- September 18, 2023 - The GLRC developed a topical on proper septic care and maintenance for Septic Smart Week in conjunction with the Groundwater Management Board, which was posted as a blog on the Tri-County Regional Planning Commission website as well as on social media platforms. Read the full article at mitcrpc.org/post/protecting-homeowners-and-our-waters-septic-systems-of-mid-michigan. The blog had 175 views in 2023 and 110 views in 2024.
- September 30, 2023 and September 8, 2024 – The Red Cedar Pathways and City of Williamston held a Red Cedar River Day Celebration which the GLRC Coordinator attended with the Enviroscape. A total of 48 people visited the GLRC booth at the event in 2023 and 116 visited in 2024.
- December 2023 – Met with the Eaton Conservation District, Barry-Eaton District Health Department, and EGLE on development of a Watershed Council Support Grant to research areas of concern from septic systems in the Watershed Management Plan for Eaton County. A letter of support for the grant application was submitted by GLRC in 2024, and grantees should be notified in spring of 2025.
- December 2023 and 2024 – The GLRC Coordinator promoted and attended the annual MWEA Stormwater Seminar.
- April 26, 2024 – The GLRC Coordinator developed a hands-on activity for elementary students on the importance of trees for an Arbor Day celebration at Potter Park Zoo attended by children in the Lansing School District, educating 116 students. The coordinator also developed and participated in an E. coli activity at a new Conservation Carnival celebration during Arbor Day with the Lansing Lugnuts and the Eaton Conservation District.
- December 2024 – The GLRC Coordinator develop a presentation on the history of stormwater management for a freshman science class at Lansing Christian High School.

The coordinator also engaged students with the Enviroscope, expert in stormwater from a municipality, and a hands-on activity matching ducks to sources of surface water pollution. An additional presentation at Lansing Christian is planned for spring 2025, with plans to promote the new classroom-based presentation.

- The GLRC Coordinator has consistently provided notices to GLRC members regarding anything relevant to the MS4 program including seminars, training, webinars, legislative updates, etc.

Adopt A River – The GLRC display was part of the environmental fair at the Adopt A River events held in May of 2016 through 2019. The 2020 event was canceled due to the Covid-19 pandemic and the 2021 event was scaled back. In 2022, the GLRC did not attend due to a vacancy in the Coordinator’s position. The GLRC Coordinator was unable to participate as planned with the Enviroscope model in 2023 due to Covid-19 and will be back in 2024. Over 500 residents participate in this event each year.

MSU Science Festival – The MSU Science Festival is an annual month-long educational event hosted by Michigan State University. The GLRC has participated in the Festival’s EXPO Days, utilizing the Enviroscope Watershed model, handing out brochures, and speaking with children and families. The EXPO Days draw thousands of people each year, but it was cancelled in 2020 due to the COVID-19 pandemic and was virtual only in 2021. The GLRC participated in 2018 and 2019 and debuted the new Augmented Reality Sandbox (ARS) at the Festival in 2023, reaching 1,001 people with the interactive, educational tool. The ARS was also showcased at the 2024 Festival, reaching 451 participants.

Meridian Township Green Fairs – GLRC participated in the Winter and Summer Green Fairs at Meridian Township in 2023, bringing the Enviroscope to educate residents on the effects of stormwater pollution. A total of 201 people interacted with the GLRC booth at the Winter Fair and 153 people interacted with GLRC as the Sumer Fair. Timing did not work out in 2024, but participation in the event will continue.

Business Outreach: The GLRC has developed a variety of resources for local businesses to help educate them and staff on pollution prevention at their facilities and as part of their operations:

For Business Webpage – In 2020, a For Businesses webpage was developed to house outreach information particular to businesses and industrial facilities and flyers/posters detailing industrial BMPs. In 2023, the “businesses” page was updated to include materials from the car wash campaign on responsible car washing. The page was viewed 51 times during the reporting period.

Car Wash Campaign - GLRC has been building relationships with car washes to implement a car wash campaign. GLRC members were given a list of all known car washes in the Tri-County region (48) to verify they are all connected to the sanitary sewer system. The sign

below was developed and printed for distribution to area car washes, with 41 displayed outdoors to encourage the public to use a commercial car wash.

The GLRC designed an insert in the October ValPak to educate residents on the benefits of using car washes and to encourage the use of car washes with a \$2 off washes coupon. The GLRC worked with seven car washes in Clinton, Eaton, and Ingham counties to offer the coupon. The ValPak was mailed to 90,000 households throughout Greater Lansing. A total of 124 coupons were redeemed, see Appendix D.

RESPONSIBLE CAR WASHING

Minimize your environmental impact. Use a commercial car wash.



Soaps, oils, greases, grime, and heavy metals from vehicles wash down storm drains.

Storm drains flow directly into our rivers, streams, and lakes.

Soap phosphates cause excessive algae growth and reduce oxygen levels, harming aquatic life.

Soap surfactants damage fish gills and kill their eggs.



Don't wash your car in your driveway or on the road.

FACT

- An average homeowner uses 116 gallons of water to wash a car.
- Homeowners often let soapy water flow into untreated storm drains.
- A homeowner should wash their car on the lawn as permitted so the ground can filter wastewater naturally.
- Car washes use 60% less water than homeowners.
- Car washes can filter and reuse water at each facility.
- Car washes connect directly to the sanitary sewer system for proper treatment of wastewater.

Thank you for keeping our waters clean!
Visit mywatersheds.org for more pollution prevention tips.



Minimize your environmental impact.
Use a commercial car wash.

\$2 OFF
At A Participating
Car Wash
*This Coupon Not Valid with Any
Other Offer. Expires 12/31/23.

Pennzill One Stop Wash-N-Lube (Use Code 17867)
1141 W Clark Rd., DeWitt, MI 48820

Wash World
2209 Jolly Rd., Okemos, MI 48864
2780 Eaton Rapids Rd., Lansing, MI 48911

WhiteWater Express Car Wash (Use Code 7011)
2703 E Grand River Rd., East Lansing, MI 48823
5032 S Cedar St., Lansing, MI 48910

Outshiner Car Wash
130 Lansing St., Charlotte, MI 48813
1878 W Grand River Ave., Okemos, MI 48864

See how washing at home can be harmful on reverse side.
Visit mywatersheds.org for more pollution prevention tips.

Flip For More Info

GREATER LANSING REGIONAL COMMITTEE
FOR STORMWATER MANAGEMENT
www.glwatersheds.org
Advertise with Vaport of Southeast Michigan, 800-888-1141

OVPMR, Inc. 80204. Open more great neighborhood deals at vaport.com SFAD_00368961

Tue. - 09/19/2023 - 3:56:07 AM SFAD_00368961

Don't Wash Your Car In Your Driveway Or On The Road
Use a commercial car wash

- Soaps, oils, greases, grime, and heavy metals from vehicles wash down the storm drain.
- Storm drains flow directly into our rivers, streams, and lakes.
- Soap phosphates cause excessive algae growth and reduce oxygen levels, harming aquatic life.
- Soap surfactants damage fish gills and kill their eggs.

Car washes use 60% less water than homeowners, can filter and reuse water on site, and connect directly to the sanitary sewer system for proper treatment of wastewater.

GREATER LANSING REGIONAL COMMITTEE
FOR STORMWATER MANAGEMENT
www.glwatersheds.org

Customer Education Collaboration – The GLRC seeks to work with area businesses to educate their customers on stormwater pollution prevention:

- Between 2019 and 2021, the GLRC worked with the Capital Area Humane Society (CAHS) to provide 750 dog waste bag dispensers and pet waste brochures to be included in the adoption packets for new pet owners. These materials highlight the importance of picking up pet waste while providing owners with the tools needed to start good dog ownership habits. An additional 450 pet waste bag dispensers and brochures were delivered to the CAHS in 2023.
- Throughout 2021, the GLRC worked with a group of MSU students to develop an educational campaign focused on car washes as the most environmentally-friendly choice for customers versus at-home car washing. The GLRC Coordinator implemented this campaign in 2023.
- In 2023 a letter from the GLRC Coordinator was mailed to 56 high schools and middle schools in Clinton, Eaton, and Ingham counties on responsible car washing in conjunction with a car wash campaign. The letter included an educational brochure and contact information for any questions.

3.2 IDEP Committee/Post-Construction Committee

All GLRC members work hard to implement their individual IDEP programs. The GLRC Coordinator continues to work with regional partners on watershed protection efforts focused on pollution prevention and Illicit Discharge Elimination.

As referenced above, the GLRC developed a reporting page on the website to better advertise the contact information for reporting illicit discharges to member communities. [Mywatersheds.org/report](https://mywatersheds.org/report) is easy to remember and promote. A Septic Smart webpage was also developed to educate residents on reducing illicit connections to the storm sewer. The primary focus of this committee has been staff training.

As two video and two field training sessions were held in 2022, no further IDEP training was needed in 2023. In 2024, an IDEP Video and Field Training was held for all members and their staff. A total of 17 staff attended the field training and 20 attended the video training opportunities in illicit discharge detection and elimination and in stormwater pollution prevention for MS4s. Three Township staff members attended both the field video training conducted by GLRC. Sign-in sheets from these events are in Appendices F & G.

Meridian Township also held its own video training for its staff, which was attended by 22 employees. Sign-in sheet from this training is in Appendix H.

3.3 TMDL Committee

The TMDL Committee provides a forum for discussing TMDL implementation. Members have individual TMDL implementation plans but utilize GLRC's Quality Assurance Project Plan (QAPP) to standardize sample collection and guide field operations related to wet weather monitoring. The QAPP informs project managers and field staff of laboratory requirements and options for analysis. In the summer of 2022, the QAPP was updated and distributed to all members with new lab contact information and all procedural changes/recommendations from EGLE and US EPA.

The TMDL Committee met on the following dates in 2023:

- June 22, 2023
- October 13, 2023

The TMDL Committee did not meet in 2024, but the GLRC Coordinator and Chair of the IDEP Committee participated in ongoing multi-region IDEP/TMDL collaboration discussions four times throughout the year and reported back to the GLRC Executive and Full Committees.

4.0 Other GLRC Activities

Augmented Reality Sandbox – In 2022, the GLRC and its partner the Eaton Conservation District (ECD) received grant funding to build an augmented reality sandbox (ARS) to use in educational

programming. The ARS combines 3D visualization applications with a hands-on sandbox exhibit to teach earth science, environmental science, and geological, geographical, and hydrological concepts. The ARS allows users to create topographic models by shaping real sand, which is then augmented in real time by an elevation color map, topographic contour lines, and simulated water. The system teaches users how to read a topographic map, the meaning of contour lines, and how watersheds, catchment areas, and levees work. The Augmented Reality Sandbox is a unique and engaging instrument to help people understand the way water moves through our watersheds and how humans impact our environment. In 2022, the GLRC trained 22 teachers in how to use the new tool. In 2023, a total of 1,380 people interacted with the ARS, with 1,361 interacting with it in 2024. At the end of 2024, it was decided to donate the educational tool to the IQ Hub, an interactive agricultural museum. Travel and setup of the ARS proved too difficult for the GLRC and ECD, and it was determined the ARS would impact more residents at the IQ Hub, receiving 13,535 visitors in 2024.

Good Housekeeping Training – Two video training sessions were held in 2022.

Meridian Township held its own video training for its staff, which was attended by 22 employees. Sign-in sheet from this training is in Appendix H.

Coal Tar Seal Coat – The GLRC also tasked the Ordinance Committee with assisting area communities in the development of coal tar seal coat bans, as Polycyclic Aromatic Hydrocarbons or PAHs within are showing up in significant concentrations in runoff. So far, two of GLRC’s members have passed a total coal tar seal coat ban, requiring contractors to register and certify that they are not using mixtures with PAH content greater than .1%. In 2021, GLRC developed a fact sheet on coal tar sealcoating. The educational piece outlines the cancer risk for people as the PAHs make it into their homes on shoes and pets. The Committee will continue to work to develop a resource guide to standardize the region’s approach to these contaminants.

GLRC Seminars – In June 2018, the GLRC held an educational seminar for members to learn about a variety of topics, including stormwater utilities, impervious surface mapping, GSI site plan reviews, and NJDEP performance standards. Thirty-five people attended. A second GLRC Seminar was planned for 2020 but was postponed due to COVID-19. In November of 2022, the GLRC held a technical, educational seminar for members and the public to explore Stormwater Treatment in Clay Soils. Per an EGLE suggestion, GLRC brought in national expert Don Carpenter, PhD, PE, LEED AP, Executive Director of the Great Lakes Stormwater Management Institute at Lawrence Technological University to help engineers learn how to address stormwater quality goals by evaluating mechanical separators and the retention and infiltration of Michigan’s clay soils. A total of 55 people attended.

Recreation Efforts

The GLRC promotes partner efforts and recreational events through the website and social media, like paddling expeditions and races and other opportunities for residents to connect to our watershed and water resources. The GLRC understands that residents will be more likely to

adopt pollution prevention strategies if they use and love the resources those actions would protect.

Green Infrastructure Code Audit – The GLRC Coordinator worked with Meridian Township to audit their codes and ordinances for barriers to green infrastructure implementation. In 2020, the Committee agreed to reconvene the GLRC Ordinance Committee to develop a GSI Ordinance Manual for area communities interested in similar audit exercises. The document will provide model ordinances and language to standardize and improve the region’s landscape and surfacing requirements in a way that promotes the use of green infrastructure. The final document is almost complete, and GSI Code Audits at other GLRC members will resume.

National Salt Symposium – In August of 2024, the GLRC sponsored the National Salt Symposium. Sponsorship allowed the GLRC to send one member from each organization to the virtual annual conference, which focused on new directions in chloride on August 6 and snow and ice management on August 7. Sponsorship also provided additional training opportunities to members in the Minnesota Pollution Control Agency’s Smart Salting Program. Municipal staff were able to attend the Smart Salting Certifications for Roads, Parking Lots and Sidewalks, and for Property Managers. A total of 15 people registered for the Symposium and members were encouraged to share the Smart Salting training opportunities with staff at their municipalities. A Township engineering staff member viewed the Smart Salting Training in August of 2024. Refer to Appendix I.

APPENDIX A DISPLAY USAGE 2023-2024

2023 GLRC MS4 Application Appendix A Display Usage

Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance
Marc Trotter	Clinton County Road Commission	1/31/2023	3/2/2023	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Lansing	2/26/2023	2/26/2023	BWET Teacher Training	Scroll banner	7
Amanda Hathaway Frattarelli	MSU, East Lansing	3/4/2023	3/4/2023	Quiet Adventures Symposium (QAS)	Scroll banner, large display	500
Amanda Hathaway Frattarelli	MSU, East Lansing	4/1/2023	4/2/2023	MSU Science Festival	Scroll banner, Augmented Reality Sandbox	1,000
Paul Pratt	Ingham County Drain Commission	3/2/2023	4/11/2023	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Meridian Township	4/18/2023	4/18/2023	Green Meridian	Scroll banner, Enviroscape	250
Kattie White	Lansing School District	4/14/2023	5/5/2023	Lobby	Scroll banner	
Lauren Schnobelen	Lansing	4/22/2023	4/22/2023	Party for the Planet, Potter Park Zoo	Scroll banner	109
Amanda Hathaway Frattarelli	East Lansing	4/26/2023	4/26/2023	Clean Water Action Canvasser Training	none	7
Amanda Hathaway Frattarelli	Lansing	5/13/2023	5/13/2023	Adopt A River	Scroll banner, Enviroscape	COVID
Kyle Scripster	Waverly Community Schools	5/5/2023	6/5/2023	Lobby	Scroll banner	
Dan Coss	City of DeWitt	6/5/2023	7/7/2023	Lobby	Scroll banner	
Andrew Dymczyk	DeWitt Township	7/7/2023	8/9/2023	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Meridian Township	7/29/2023	7/29/2023	Green Fair	Scroll banner, Enviroscape	153
Amanda Hathaway Frattarelli	Fowler	8/5/2023	8/5/2023	21st Annual Chuck Gorman Youth Day	Scroll banner	75
Ruthann Clarke	Eaton County Drain Commission	8/9/2023	9/5/2023	Lobby	Scroll banner	
Phil Hanses	Clinton County Drain Commission	9/5/2023	10/4/2023	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Williamston	9/30/2023	9/30/2023	Red Cedar River Day Celebration	Scroll banner, Enviroscape	48
Nicole McPherson	Lansing	10/4/2023	11/1/2023	Lobby	Scroll banner	
Brad Beck	Lansing Township	11/1/2023	12/18/2023	Lobby	Scroll banner	
TOTALS						2,149

2024 GLRC MS4 Application Appendix A Display Usage

Name	Community	Date Provided	Date Returned	Event	Display Used	Attendance
Marc Trotter	Clinton County Road Commission	2/1/2024	3/7/2024	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	MSU, East Lansing	3/2/2024	3/2/2024	Quiet Adventures Symposium (QAS)	Scroll banner, large display	381
Paul Pratt	Ingham County Drain Commission	3/6/2024	4/3/2024	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	East Lansing Public Library	3/28/2024	3/28/2024	Augmented Reality Sandbox Presentation	Scroll banner	15
Amanda Hathaway Frattarelli	East Lansing Public Library	4/2/2024	4/2/2024	Augmented Reality Sandbox Presentation	Scroll banner	15
Lori Brandon	Lansing School District	4/3/2024	5/2/2024	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	MSU, East Lansing	4/13/2024	4/14/2024	MSU Science Festival	Scroll banner, Augmented Reality Sandbox	451
Amanda Hathaway Frattarelli	Lansing, Potter Park Zoo	4/26/2024	4/26/2024	Arbor Day Celebration	Scroll banner	116
Amanda Hathaway Frattarelli	Lansing, Lugnuts Stadium	4/26/2024	4/26/2024	Arbor Day Celebration	Scroll banner	76
Amanda Hathaway Frattarelli	Lansing, Potter Park Zoo	4/27/2024	4/27/2024	Party for the Planet	Scroll banner, Enviroscape	155
Kyle Scripster	Waverly Community Schools	5/2/2024	6/17/2024	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Lansing, Impression 5 Science Center	5/11/2024	5/11/2024	Adopt A River	Scroll banner, Enviroscape	126
Dan Coss	City of DeWitt	6/14/2024	7/14/2024	Lobby	Scroll banner	
Andrew Dymczyk	DeWitt Township	7/14/2024	8/13/2024	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Fowler	8/3/2024	8/3/2024	22nd Annual Chuck Gorman Youth Day	Scroll banner	83
Ruthann Clarke	Eaton County Drain Commission	8/13/2024	9/16/2024	Lobby	Scroll banner	
Phil Hanses	Clinton County Drain Commission	9/18/2024	10/23/2024	Lobby	Scroll banner	
Amanda Hathaway Frattarelli	Williamston	9/8/2024	9/30/2023	Red Cedar River Day Celebration	Scroll banner, Enviroscape	116
Nicole McPherson	Lansing	10/23/2024	11/20/2024	Lobby	Scroll banner	
Brad Beck	Lansing Township	11/20/2024	12/16/2024	Lobby	Scroll banner	
TOTALS						1,153

The Township's stormwater banner was displayed at townhall lobby from December from 12/15/2022 to 3/15/2023.

APPENDIX B SOCIAL MEDIA POSTS AND ADS REACH 2023-2024

PEP Topic	2023 Educational Campaigns	Month	Fb Reach	Instagram Reach	Fb/Insta Engagement	Twitter Impression	Twitter Engagement	Fb Impressions	Google Ad Impressions
A, B	Protecting Water Quality in the Red Cedar Watershed	1/4/2023	97	18	5	28	0		
A, B, F	TY to Calendar Winners for Picking up Pet Waste	1/6/2023	41	21	10	30	0		
	MLK Day: "The time is always right to do what is right."	1/13/2023	55	N/A	0	62	2		
A, B, J	Road Salt Can Harm Aquatic Life: How to Use Sparingly	1/19/2023	87	25	5	N/A	N/A		
B, F, J	GLRC January Newsletter	1/23/2023	109	12	8	N/A	N/A		
A, B, J	Road Salt is Damaging MI Waters	1/30/2023	56	29	9	35	1		
A, B, I	Disconnected Gutter Systems Recharge Groundwater	2/6/2023	72	N/A	1	59	1		
A	Volunteer Stream Cleanup/Monitoring Grant Announcement	2/9/2023	227	32	22	23	0		
A	Celebrate MI's Year of Water; Earth Day Webinar to Take Action	2/16/2023	101	28	8	401	9		
A, B, I	Use Native Plants to Reduce Stormwater Pollution/Flooding; Attend a Native Plant Sale	2/25/2023	257	15	21	25	1		
A, F	Join GLRC at the Quiet Adventurers Symposium, get a free pet waste bag dispenser	3/1/2023	95	18	8	46	1		
A, I	Celebrate Groundwater Awareness Week by Implementing GSI	3/8/2023	335	15	15	33	2		
A, B, C, E, F, G, I	GLRC's Annual Report is Now Available!	3/19/2023	676	9	7	17	0		
A	Join GLRC Today at the Meridian Mall to Learn How to Protect Our Watershed	3/18/2023	82	N/A	10	N/A	N/A		
A, B	Happy World Water Day: Simple Actions to Take; Learn More at MSU Science Festival	3/22/2023	74	16	3	21	1		
A, B	MSU Science Festival This Weekend; Steps to Keep Our Watershed Healthy	3/30/2023	202	15	8	30	2		
A, I	Visit GLRC at MSU Science Festival: Use the Augmented Reality Sandbox (ARS)	4/1/2023	134	18	16	25	1		
A, E, G, I	In Case You Missed It, Join GLRC/ECD at the MSU SciFest with the ARS	4/2/2023	126	N/A	7	N/A	N/A		
A, H, G, I	News Segment on ARS; Visit Events Page for Plant Sales, HHW Collections, and Building Rain Gardens	4/4/2023	74	19	1	24	1		
A, H	Be Septic Smart and Get Your Tank Inspected This Spring	4/10/2023	75	N/A	0	103	2		
A, E, G	Celebrate Earth Day by Properly Disposing of HHW	4/19/2023	293	8	8	27	3		
A	Thinking of Paddling This Weekend? Use the What3Words App to Stay Safe	4/21/2023	76	N/A	0	N/A	0		
A	Join the Friends of the Maple River to Clean/Remove Log Jams	4/21/2023	60	12	2	19	0		
A, B	Happy Earth Day, Earth Day Every Day How to Protect	4/22/2023	56	N/A	0	10	0		
A, B, C, D, E, F, G, H	GLRC April Newsletter	4/26/2023	1,316	9	17	38	3		
A, B, I	Happy Arbor Day, Trees Reduce Runoff, Plant Native, Where to Buy	4/28/2023	54	14	3	12	0		
A, B, J	ECD Needs Help With Stream Monitoring!	5/2/2023	58	27	3	14	0		
A, B	Join GLRC at Adopt A River, Keep the Grand River Clean	5/3/2023	94	7	3	31	1		
A, B, C	Join These River Cleanups, the Grand and Red Cedar Needs Your Summit on Invasive Lesser Celandine, Exploding Along Grand River	5/12/2023	52	N/A	3	120	2		
A	Love Art and the River? Join River Trail Cleanup on the Grand River ArtPath	5/15/2023	53	13	2	38	1		
A, J	Attend Virtual Municipal Training on Managing Invasive Species	5/18/2023	52	25	5	27	3		
A, B, J	Getting on the Water for Memorial Day? Use the How's My Waterway Tool	5/19/2023	81	N/A	7	30	1		
	GLRC Closed for Memorial Day	5/24/2023	56	14	0	36	2		
A, B, C	Join MI Waterways Stewards to Clean Up the Grand/Red Cedar	5/25/2023	56	N/A	0	53	2		
A	Celebrate National Trails Day with a Trip Down the Grand, Red Cedar, or Looking Glass Rivers	5/30/2023	44	N/A	9	1,234	14		
A, B, G	Celebrate Great Lakes and Freshwater Week; How to Get Involved	6/1/2023	95	15	5	37	2		
A, B, F	Go Green, Compost, Mulch, Let Clippings Lie, Clean Storm Drains	6/5/2023	814	16	37	68	2		
A, B, J	GLRC Closed for Juneteenth	6/14/2023	83	10	1	23	1		
A, B, F	Reminder: Items from Your Lawn Travel Down Storm Drains; Clean Yours	6/15/2023	78	N/A	1	59	2		
A, B, J	Check Out the Augmented Reality Sandbox at J-51	6/22/2023	609	11	22	36	1		
	GLRC Closed for 4th	6/23/2023	86	N/A	11	N/A	N/A		
A, F	Join GLRC at the Green Fair; Learn How to Compost, Recycle and Protect Our Surface Waters	7/3/2023	49	8	1	33	0		
A, B, I	Flood Watch: Use the Runoff Calculator; Visit Rain Garden Resources for GSI Ideas to Help	7/11/2023	225	17	4	26	2		
A, B, J	Green Fair Rescheduled: See GLRC's Interactive Watershed Model in 2 Weeks	7/12/2023	79	26	7	21	1		
A, B, I	Comps to E.L. on EGLE Grant to Develop Comp. Stormwater Resiliency Plan	7/14/2023	185	13	15	45	1		
A, B, C, E, H	Excess Phosphorus/Nitrogen cause HAB: Do Your Part to Prevent by Using Fertilizer Sparingly, Picking Up Pet Waste and Inspecting	7/19/2023	126	49	21	90	1		
A, B, C, D, E, G, I	GLRC July Newsletter	7/24/2023	110	N/A	5	47	1		
A, B	Join GLRC at Green Fair for Recycling Tips, Giveaways & An Interactive Watershed Model!	7/26/2023	53	12	3	24	1		
A	Survey RFP: GLRC Looks Forward to Discovering Citizen's Knowledge of and Interaction With the Watershed!	7/28/2023	219	18	6	23	0		
A, B, E	Join GLRC for 21st Annual Chuck Gorman Youth Day: Unplug Your Child for a Day with Hands-on Activities	8/2/2023	50	N/A	5	29	1		
A, B, E	Steer Clear of HAB: Don't Let Leaves/Grass Go Down Storm Drains, Not Overapplying Fertilizer	8/3/2023	141	20	6	18	1		
A, B, E, F	Be A Hero for Our Waters: Sweep to Keep Leaves, Grass & Fertilizers Out of Storm Drains	8/11/2023	95	21	7	12	1		
A, B, C	Over 200 Scooters Have Been Removed from the Red Cedar: Take This Survey, How Does That Make You Feel?	8/16/2023	476	18	11	161	5		
A, B, I	Storm Drains Get Overwhelmed: Here's How to Help: Plant Native, View Plant Sales	8/24/2023	121	30	27	31	1		
A, B	EGLE Announces \$2.9M for Watershed Projects: Update Watershed Mgmt. Plans & Reduce NPS Together!	8/24/2023	42	18	4	28	1		
A	TY to Local, Municipal, and County Employees Who Work to Prevent Stormwater Pollution	8/29/2023	101	9	7	580	5		
A, H	Happy #ProtectYourGroundwater Day! DYK When We Prevent Stormwater Pollution We Protect Groundwater Too?	9/1/2023	41	20	3	24	0		
A, H	Free EGLE Knowing Your Septic System Seminar	9/5/2023	89	10	2	53	4		
A, H	#DYK Simple Septic System Maintenance Can Save You \$5 and Protect Your Home Value?	9/12/2023	41	13	2	40	3		
A, H	Homeowners #DoYourPart During Septic Smart Week. Watch This Video to Learn How to Prevent Contaminating Waterways While	9/18/2023	42	10	4	23	1		
A, H	#DoYourPart to Get Septic Smart & Protect Our Waterways: 4 Tips	9/19/2023	9,764	N/A	73	28	1	12,901	
A, H	#SepticSmartWeek Tip: Use Water Efficiently and Stagger Use of Water-Based Appliances	9/21/2023	35	8	1	115	4		
A, B, D	#DYK Washing Cars in Your Driveway Pollutes Our Waterways? Soaps, Oils, Greases, Grime, & Heavy Metals Wash Down Storm Dr	9/23/2023	69	9	0	N/A	N/A		
A, B, J	Join GLRC at the Red Cedar River Days, Get Tips on Protecting and Enjoying the River, See the EnviroScope	9/25/2023	10,555	20	101	51	2	17,588	
A, B, D, J	Responsible Car Washing Video	9/28/2023	63	12	6	3	0		
A, B	20th Annual Charlotte River Conservation Day! Need Help in Cleaning Up River, Monitoring Invasives and Preventing Stormwater P	9/11-30/2023	N/A	N/A	N/A	N/A	N/A		118,783
	GLRC Closed for Columbus Day	10/4/2023	70	13	5	8	1		
A, B, F, G	Don't Leaf Me This Way: Clear Storm Drains	10/9/2023	35	17	0	15	0		
A, B, J	Become A Citizen Scientist: Help with Stream Monitoring in Eaton County	10/10/2023	45	N/A	3	78	2		
A, B, F	Pledge to Scoop to Protect Our Waters; Enter the Dog Calendar Photo Contest	10/11/2023	96	13	8	25	1		
A, B, J	Imagine A Day Without Water; Prevent Stormwater Pollution with Steps Like Planting a Rain Garden	10/18/2023	34	18	0	16	0		
A, B, C, F, D, I	GLRC October Newsletter	10/19/2023	30	12	4	18	1		
A, B, J	AIS Impact Water Quality; AIS Funds Available for Education and Outreach	10/20/2023	99	15	2	14	0		
A, B, F	Composting Prevents Stormwater Pollution USGS post share	10/27/2023	31	22	1	16	0		
A, B, F, J	Try Mulch Mowing	11/1/2023	N/A	N/A	N/A	28	1		
A, B, F	Personal Steps Like Picking Up Pet Waste/Keeping Leaves Out of Storm Drains Protect Our Waters; Join MI Waterways Stewards to	11/2/2023	54	14	2	12	1		
A, B	GLRC Closed for Veterans Day	11/8/2023	75	11	4	41	1		
A, B	Celebrate National Stormwater Day; TY to GLRC Members for Protecting Our Waters; You Can Help	11/9/2023	54	5	0	10	0		
A, B, J	TY to GLRC Members Meridian Twp and KDC for Working to Prevent Flooding and Protecting Residents from Stormwater Pollution	11/16/2023	167	24	4	20	1		
A, B, F	Importance of Scooping Your Poop: Enter Dog Calendar Photo Contest by 12/15	11/17/2023	224	N/A	24	N/A	N/A		
A, B	Impress Your Guests with Your Knowledge of How to be Stormwater Smart	11/18/2023	415	8	26	11	1		
A, B, F	Work Off That Meat by Raking Leaves and Keeping Storm Drains Clear; Take A Pic of Your Pup	11/22/2023	106	8	2	7	0		
A, I, J	Get Innovative w/ Watershed Management at MWEA's Watershed & Stormwater Seminar	11/24/2023	N/A	N/A	N/A	19	0		
A, B, F	#DYK When It Rains or Snows, Pet Waste Washes into Storm Drains; Pledge to Scoop Enter Photo Contest	11/29/2023	94	12	7	15	0		
A, B, J	On Water & Wastewater Professionals Workforce Week We Honor GLRC Members; Learn more	12/1/2023	10,498	15	94	14	3	15,657	
A, B, C	Storm Drains Are Not Garbage Cans! If You See An Illicit Discharge, Report It!	12/11/2023	107	22	11	5	0		
A, B, C, D, J	Business Owners Protect Our Waters with These BMPs	12/15/2023	91	28	5	36	6		
	GLRC closed for Christmas holiday	12/20/2023	62	12	2	14	1		
		12/23/2023	76	10	4	7	0		
TOTALS			42,375	1,115	838	4,808	121	46,146	118,783

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- B = Inform and educate the public about the connection of the MS4 to area waterbodies and the potential impacts discharges could have on surface waters of the state.
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- D = Promote preferred cleaning materials and procedures for car, pavement, and power washing.
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- G = Identify and promote the availability, location, and requirements of facilities for collection or disposal of household hazardous waste, travel trailer sanitary wastes, chemicals, yard wastes, and motor vehicle fluids.
- H = Inform and educate the public on proper septic system care and maintenance, and how to recognize system failure
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N/A = Post did not appear on that social media platform.

Reach = This metric represents the organic or paid distribution of a GLRC post, including if it was boosted. Reach is only counted once if it occurs from both organic and paid distribution. This metric is estimated.

Fb/Insta Engagements = The number of reactions, comments, shares and clicks on GLRC posts.

Impressions = The number of times GLRC posts published during the time frame were displayed on a person's screen

Twitter Engagements = The number of times people clicked on the images, GIFs, and videos in tweets you published during the time frame

PEP Topic	2024 Social Media Educational Campaigns	Month	Fb Reach	Instagram Reach	Fb/Insta Engagement	X Impression	X Engagement	Facebook Impressions	GoogleAd Impressions
A, B, I	Role of Conservation Districts in Protecting Water/Land Use Luncheon	1/4/2024	148	20	5	14	2	173	
A, B, C, F	Congratulations Dog Calendar Contest Winners/Responsible Pet Wash	1/11/2024	116	18	9	20	1	120	
A, B, C, J	More Salt Does Not Mean More Melting	1/12/2024	531	24	10	10	3	560	
A, B, F, G, I	GLRC Closed for MLK Day	1/15/2024	48	8	0	11	0	52	
A, D, I	Happy Natl. MI Day/Thank You for Protecting the Middle Grand Watershed	1/18/2024	102	12	4	23	5	115	
A, B, I	GLRC January Quarterly Newsletter	1/30/2024	436	15	7	20	1	504	
A, B, I	Beautiful the Middle Grand River w/ MidMEAC & MWS	2/2/2024	216	13	13	19	0	231	
A, B, I	Native Plants Help Prevent Flooding; Conservation District Tree sales	2/5/2024	99	11	4	20	1	107	
A, B, I	Plant More Trees to Reduce Energy Bills; Habitat; Absorb Carbon and	2/6/2024	99	18	5	248	2	105	
A, J	Greater Lansing Regional Water Quality Education Survey Presentation	2/13/2024	70	14	5	21	0	73	
A, B, I	President's Day	2/16/2024	44	6	0	8	0	49	
A, B, I	Concerned with Flooding, Pollution, or Climate Change? Submit a Grant	2/20/2024	185	16	12	17	1	193	
A, B, I	Join GLRC at the Quiet Adventures Symposium	2/24/2024	106	18	5	15	1	114	
A, B, F	Protect Our Waters; Get A Free Pet Waste Dispenser at QAS	3/1/2024	310	23	5	10	1	363	
A, B, D	Live Post Visit GLRC at QAS for a Free Dog Waste Bag Dispenser	3/2/2024	99	NA	3	NA	NA	106	
A, J	Join the Virtual Water Quality Education Survey Results Presentation	3/8/2024	81	16	3	14	1	87	
A, B, I	Happy Groundwater Awareness Week; Plant Native to Recharge Groundwater	3/13/2024	366	14	10	21	2	417	
A, B	Stop by the EL Public Library to See the ARS and How Water Affects Our	3/15/2024	97	NA	7	NA	NA	101	
A, B, I	Green Infrastructure Reduces Runoff; Get Tips for Going Green at MSU	3/21/2024	330	13	4	14	1	384	
A, B, E, F	Happy World Water Day; Your Actions Affect the GL; Dispose of Pet Waste	3/22/2024	54	13	3	11	1	55	
A, B, D	Car Wash Grand Opening; Car Washes Use 60% Less Water	3/22/2024	100	19	5	32	1	106	
A, B, E	Time for Spring Cleaning; Don't Dump HHW Down the Drain; Recycle	3/26/2024	10,635	8	79	17	1	18,014	
A, B	Visit the ARS at the ELPL to Uncover the Secrets of Water Flow	3/27/2024	46	14	2	67	1	51	
A, B	Easter Holiday	3/28/2024	46	4	0	14	0	52	
A, B, J	Register for an ARS Class at ELPL through the MSU Science Festival	3/29/2024	78	13	4	8	0	89	
A, B	MSU/Red Cedar River Cleanup to Protect Our Watershed	4/3/2024	60	28	5	26	1	66	
A, B	Join MWS in Cleaning Up the Red Cedar; Help Protect Our Waters	4/5/2024	97	23	6	23	1	106	
A, B	Visit GLRC at the MSU Science Festival to Learn How to Protect Our Waters	4/5/2024	57	11	3	70	0	62	
A, B	See You at the Science Festival This Weekend with the ARS!	4/9/2024	354	15	9	12	1	396	
A, B	Can't Wait to See You at the MSU Science Festival; Discover How Water	4/12/2024	1,414	18	7	90	0	1,426	
A, B	Last Day to Visit the MSU Science Festival and Learn About Stormwater	4/14/2024	63	NA	1	126	3	65	
A, B, I	Trees Help Prevent Flooding/Pollution; Join CCD with Certified Forest	4/18/2024	58	15	3	17	1	58	
A, B, D, E, F, G, H	Happy Earth Day! Protect Our Waters with These Simple Steps: Clean	4/22/2024	308	11	15	13	1	359	
A, B	Join GLRC and ECD at the Arbor Day at Lugnuts Game w Conservation	4/23/2024	87	17	7	17	0	89	
A, B, I	GLRC is Happy to Celebrate Arbor Day at Potter Park Zoo, Teaching H	4/24/2024	32	NA	1	NA	NA	36	
A, B, F	Join GLRC at the Potter Park Zoo on Earth Day; Visit Us in the Safari R	4/24/2024	52	20	6	NA	NA	58	
A, B	Are You Stormwater Smart This Summer? Check Out These Tips to Pr	4/25/2024	57	NA	0	NA	NA	64	
A, F	Join GLRC in Celebrating Earth Day at Potter Park Zoo with Hands-On	4/25/2024	52	20	6	32	0	58	
A, I	It Was A Great Day at the Zoo for Arbor Day; Join GLRC Again at the Z	4/27/2024	55	NA	0	NA	NA	59	
A, B, C, E	Discover Tips on Staying Stormwater Smart; Learn About HHW Collec	4/30/2024	1,330	10	5	17	0	1,493	
A, B	Spring Cleaning Isn't Just for Homes; Join the 30th Annual Adopt A Ri	5/3/2024	46	1	16	23	0	52	
A, B, I	Happy Drinking Water Week! DYK That Trees Improve Water Quality	5/6/2024	49	16	7	16	1	54	
A, B	Congratulations to Lansing On Becoming a Pure MI Trails Town; Enjoy	5/8/2024	46	NA	1	100	3	51	
A, B, D, E, F, G, H,	Spring Storms Can Lead to Pollution Do Your Part With These Tips to	5/15/2024	498	14	6	33	1	545	
A, E	Want to Know More About HHW? Join the Green Dialogue w Ingham	5/21/2024	279	6	4	31	1	327	
A, B	Memorial Day; Thank You to Those Who Serve	5/24/2024	50	0	0	18	0	54	
A, B	Join the Lansing Rivers and River Trail Cleanup On June 1st; Volunteer	5/28/2024	72	14	6	33	0	79	
A, B, I	Thanks for Hosting a Native Plant Sale ECD! Stop By Woldumar to Pur	5/29/2024	103	NA	6	NA	NA	113	
A, B, C, E, F	Happy MI Great Lakes Week! Remember Storm Drains Flow Into Our	6/4/2024	53	12	3	1,400	4	59	
A, B, D, E, F, G, H, I	Happy National Rivers Month; Help Protect Our Grand River; Pick Up	6/13/2024	78	14	5	39	1	86	
A, B, D	GLRC Distributed 4,500 Educational Materials on Reducing Stormwat	6/17/2024	55	12	1	21	1	59	
A, B	Red Cedar River Lunch & Learn; Register to Learn More about Riverba	6/18/2025	77	8	4	38	1	86	
A, B	Celebrate Juneteenth; Office Closed	6/19/2025	57	4	1	17	0	60	
A, B, D, E, F, H, I	Are You Stormwater Smart This Summer? Check Out These Tips to Pr	6/26/2024	2,025	12	13	20	1	2,212	
A, B, C, E, F, J	Heading to the Lake This Holiday? So Is Stormwater Runoff; Our Gran	7/3/2024	241	11	3	22	1	274	
A, B, D, E, F	DYK That Excess P and N in Waterways Causes Algae to Grow Faster T	7/4/2024	13,417	8	56	20	0	43,309	
A, B, C	Have You Ever Tried Plogging? Trash & Litter Can Clog Storm Drains, H	7/10/2024	59	10	0	25	0	64	
A, B, C	To Protect Our Watershed, GLRC Provided IDEP Training for Municipa	7/12/2024	229	18	7	24	1	246	
A, B, C	Shared: EL Residents, Share Your Flood Experience with the City's Sur	7/16/2024	196	NA	4	31	1	202	
A, B, F	Excess Leaves & Grass Clippings Wash Down Storm Drains & Harm Ad	7/17/2024	31	11	0	18	0	35	
A, B, F	Have You Tried Grass Cycling to Provide Nutrients to Your Lawn? Mul	7/24/2024	51	10	0	12	0	55	
A, E, G	Check Out the July Newsletter: Find News On Recent Trainings, Tips o	7/30/2024	125	8	3	21	0	131	
A, B, C, E, F, G	Pet Waste, Fertilizers, Oil, Gas, Dirt & Grass Clippings Are Examples of	8/1/2024	40	24	2	18	1	42	
A, B	Join GLRC at the Fowler Conservation Club on Sat. for Free Outdoor A	8/1/2024	89	34	3	19	0	92	
A, B	Join GLRC Today On Water Until 1:00 For Free Outdoor Fun!	8/3/2024	78	NA	1	NA	NA	81	
A, B, C, J	DYK Sodium Chloride From Road Salt Can Contaminate Wells & Make S	8/5/2024	75	12	3	20	1	79	
A, B, D	DYK Soap Phosphates Cause Excessive Algae Growth & Reduce Oxyge	8/7/2025	46	9	0	25	1	49	
A, B, C	During Large Storms Pollutants & Trash Flow into Our Waters Via Sto	8/14/2024	161	16	11	16	0	166	
A, B, G	DYK Paints, Cleaners, Oils, Batteries, & Pesticides Contain Hazardous	8/20/2024	65	11	2	13	1	67	
A, B, I	Stormwater Runoff Is A Cause of Pollution; GSI Like Raingardens, Rair	8/22/2024	45	5	0	19	0	48	
A, B, I	Plant A Rain Garden This Fall! It's Easy to Help Protect Our Waters	8/23/2024	N/A	N/A	N/A	N/A	N/A	N/A	257,837
A, B, C	Follow These Steps to Drain Your Pool While Protecting the Environme	8/29/2024	123	16	6	23	1	124	
A, B, E	Happy Labor Day, GLRC Appreciates All Our Municipal Employees Wh	8/30/2024	70	10	1	16	1	70	
A, B, E	Still Fertilizing? A Healthy Lawn Starts with Knowing Your Soil Conditi	9/3/2024	203	14	13	31	0	204	
A, B, C, G	Happy Protect Your Groundwater Day! DYK the Greater Lansing Regid	9/4/2024	74	43	2	45	6	76	
A, B	Join GLRC at the Red Cedar River Day Celebration in Williamston	9/5/2024	81	10	2	33	0	82	
A, B	There's Lots to Do at the Red Cedar River Day Tomorrow from 12-4!	9/7/2024	26	NA	2	NA	NA	27	
A, B, H	DYK How to Care For Your Septic System? It's Easier Than You Think;	9/11/2024	32	NA	0	NA	NA	32	
A, G	DYK Many Electronics Contain Hazardous Materials? Recycle Your Ele	9/11/2024	191	18	10	28	0	228	
A, B, H	Get Septic Smart & Protect Our Waterways By Keeping Grease Out of	9/16/2024	20,666	15	133	NA	NA	39,154	218,352
A, B	Don't Miss This Saturday's Biggest Lansing Rivers and Rivers Trail Clea	9/17/2024	61	NA	3	NA	NA	62	
A, B, H	This Septic Smart Week, Don't Overload Your Commode; See the Do	9/18/2024	12	NA	0	NA	NA	14	
A, B	Love the Red Cedar? Join MSU in Their Bi-Annual Cleanup and Do You	9/24/2024	69	9	3	18	0	111	
A, B	Want to Get Connected to Conservation and Community Science? Jo	9/26/2024	128	15	6	26	1	169	
A, B, I	Happy Source Water Protection Week! DYK Forests Support A Clean &	10/1/2024	327	9	10	15	1	501	
A, B, C, G, H	Happy Source Water Protection Week!DYK Greater Lansing Depends	10/3/2024	49	9	2	38	2	74	
A, B, G	DYK Leaking Motor Oil is One of the Biggest Causes of Oil Pollution in	10/9/2024	1,079	1	6	35	0	1,890	
A, B	DYK The Grand River Was Known as Far Away Water to our Native An	10/11/2024	54	11	0	17	0	74	
A, B, J	Water is Essential for Drinking, Washing & Swimming. That's Why Tri	10/17/2024	65	9	3	36	1	87	
A, B, C, F	Check Out the October Newsletter! Learn about Fall Color Floats, Roa	10/18/2024	3,350	9	2	10	0	6,024	
A, B, F	Fall is Beautiful, But Remember to Keep Leaves Away From Storm Dra	10/24/2024	92	9	1	21	0	134	
A, B, G	Scary Thought: Trash & Leaking Fluids From Cars Can Enter Storm Dra	10/31/2024	537	13	10	16	0	975	
A, B, I	DYK Planting Native Trees & Shrubs Helps Prevent Flooding? Read Ou	11/5/2024	79	9	1	16	1	104	
A, B	Thank You for Your Service; Happy Veterans Day	11/8/2024	29	4	0	14	0	35	
A, B	Learn More About How & Why We Manage Stormwater; Join EGLE's	11/11/2024	59	14	2	1,165	5	81	
A, B, C, E, F, G	DYK Our Municipalities Work Every Day to Protect Our Surface Water	11/16/2024	45	18	3	25	0	67	
A, B, I	Green Infrastructure Continues to Help Slow The Flow of Runoff & Sn	11/21/2024	203	9	3	136	9	322	
A, B, F, G	DYK Pollutants Entering the Grand, Maple, & Looking Glass Rivers Flo	11/27/2024	58	NA	2	NA	NA	92	
A, B, D	DYK Car Washes Use 60% Less Water Than the Entire Process At Hom	11/28/2024	62	9	0	11	0	77	
A, B	Everyone Lives In A Watershed; GLRC Members Work Hard to Improv	12/4/2024	70	11	2	44	2	90	
A, B, D	Winter Taking Its Toll On Your Car? Do Your Part & Use A Commercial	12/11/2024	40	109	0	78	1	46	
A, B, D, F, G	Winter is Officially Here on Sat! Use These Tips to Stay Stormwater S	12/18/2024	998	6	2	13	1	1,800	
A, B	Happy Holidays, See You Next Year!	12/23/2024	29	5	0	13	0	52	
TOTALS			63,706	1030	651	3,581	68	97,914	476,189

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*Facebook switched from reporting "reach" and "impressions" to "views" and "impressions" by September 24, 2024

View = The number of times your content was played or displayed.

APPENDIX C EDUCATIONAL MATERIALS DISRIBUTION 2023-2024

2023 Educational Material Distribution

EVENT	DATE	PEOPLE INTERACTIONS	EDUCATIONAL/PROMOTIONAL MATERIAL	QUANTITY
Dog Calendar Contest	1/6/2023	14	Pet Waste Management	14
			Pet Waste Bag Dispensers	14
			Rain Garden Seed Card	12
			Do You Know Your Watershed	12
28th Annual Quiet Adventures Symposium <i>With GLRC Videos Showing</i>	3/4/2023	500	ARS Brochure	11
			Do You Know Your Watershed	28
			GLRC bracelets	50
			GLRC Cups	50
			GLRC Stickers	23
			Green Infrastructure at Home	29
			Green Infrastructure Bike Map	20
			Lawn & Garden Care	24
			Motor Oil Management	21
			Pet Waste Management	28
			Pet Waste Bag Dispensers	50
			Responsible Car Washing	20
			GLRC Fact Sheet	13
			GLRC Bags	50
GLRC Executive & Full Committee Meetings	3/13/2023		Annual Report	40
Meridian Township Winter Green Fair <i>With Enviroscope</i> <i>With GLRC Videos Showing</i>	3/18/2023	201	Annual Report	32
			ARS Brochure	22
			Do You Know Your Watershed	22
			GLRC Fact Sheet	26
			GLRC bracelets	18
			GLRC Cups	50
			Green Infrastructure at Home	23
			Green Infrastructure Bike Map	18
			Lawn & Garden Care	19
			Motor Oil Management	18
			Pet Waste Management	26
			Responsible Car Washing	19
GLRC Bags	25			
MSU Science Festival <i>(100 each brochure given to Dave Champman)</i> <i>With GLRC Videos Showing</i>	4/1-2/2023	1,001	Annual Report	46
			ARS Brochure	23
			Do You Know Your Watershed	152
			GLRC Fact Sheet	23
			GLRC bracelets	108
			GLRC Cups	257
			GLRC Water Bottles	100
			Green Infrastructure at Home	158
			Green Infrastructure Bike Map	25
			Lawn & Garden Care	132
			Motor Oil Management	134
			Pet Waste Management	148
Responsible Car Washing	128			
GLRC Website Sticker	50			
Potter Park Zoo Party for the Planet	4/22/2023	109	Pet Waste Management	1
			GLRC Website Sticker	21
			Do You Know Your Watershed	1
			Green Infrastructure at Home	4
			GLRC bracelets	28

Clean Water Action Canvasser Training	4/26/2023	5 Do You Know Your Watershed	104
		GLRC Fact Sheet	5
		Green Infrastructure at Home	104
		Lawn & Garden Care	104
		Motor Oil Management	104
		Pet Waste Management	104
		Responsible Car Washing	104
		Annual Report	5
		GLRC Bags	1
Meridian Township Summer Green Fair <i>With Enviroscope</i>	7/29/2023	153 Annual Report	21
		ARS Brochure	3
		Do You Know Your Watershed	22
		GLRC Fact Sheet	15
		GLRC bracelets	21
		GLRC Cups	41
		Green Infrastructure at Home	26
		Green Infrastructure Bike Map	12
		Lawn & Garden Care	20
		Motor Oil Management	19
		Pet Waste Management	25
		Pet Waste Bag Dispensers	22
		Responsible Car Washing	18
		GLRC Website Sticker	23
GLRC Bags	25		
21st Annual Chuck Gorman Youth Day <i>With Paddling Demonstration</i>	8/5/2023	75 Green Infrastructure at Home	3
		Green Infrastructure Bike Map	2
		Lawn & Garden Care	3
		Motor Oil Management	3
		Pet Waste Management	3
		Do You Know Your Watershed	3
		Responsible Car Washing	3
		GLRC Website Sticker	8
		GLRC Bags	8
		GLRC Water Bottles	100
		GLRC Bracelets	10
Capitol Area Human Society	8/23/2023	3 Pet Waste Management	450
		Pet Waste Bag Dispensers	450
Clinton, Eaton, Ingham County HS & MS	9/27/2023	56 Responsible Car Washing	56
Red Cedar River Day Celebration <i>With Enviroscope</i>	9/30/2023	48 Pet Waste Management	1
		Motor Oil Management	2
		Lawn & Garden Care	3
		Do You Know Your Watershed	4
		Responsible Car Washing	3
		Green Infrastructure at Home	2
		GLRC Drawstring Backpack	2
		Pet Waste Bag Dispensers	6
		GLRC Bracelets	3
		GLRC Cups	6
TOTALS		2,165	4,448
TOTALS FOR EACH MATERIAL		Annual Report	144
		ARS Brochure	59

Do You Know Your Watershed	348
GLRC bracelets	238
GLRC Cups	404
GLRC Water Bottles	200
GLRC Website Stickers	125
Green Infrastructure at Home	349
Green Infrastructure Bike Map	77
Lawn & Garden Care	305
Motor Oil Management	301
Pet Waste Management	800
Pet Waste Bag Dispensers	542
Responsible Car Washing	351
GLRC Fact Sheet	82
Rain Garden Seed Card	12
GLRC Bags	109
GLRC Drawstring Backpack	2
TOTAL	4,448

AUGMENTED REALITY SANDBOX HOSTINGS

Olivet University	March	55
MSU Science Festival	April	1,000
StockbridgeseSenior/Junior High	May	125
Impression 5 Science Center	July-August	200
TOTAL INTERACTIONS		1,380

2024 Educational Material Distribution

EVENT	DATE/MONT	PEOPLE INTERACTIONS	EDUCATIONAL/PROMOTIONAL MATERIAL	QUANTITY
Dog Calendar Contest	1/6/2024		13 Pet Waste Management	13
			Do You Know Your Watershed	13
			GLRC Drawstring Backpack	13
			Pet Waste Bag Dispensers	13
Tri-County Regional Planning Commission Annual Meeting	1/24/2024		15 GLRC Drawstring Backpack	8
Tri-County Regional Planning Commission's Community Meeting	2/28/2024		7 GLRC Annual Report	7
			Tri-County Environmental Programs	7
			GLRC Fact Sheet	7
29th Annual Quiet Adventures Symposium <i>With GLRC Videos Showing</i>	3/2/2024		381 Do You Know Your Watershed	25
			Mywatersheds.org sticker	29
			GLRC Cups	39
			Protect the Red Cedar Magnets	4
			Green Infrastructure at Home	6
			Green Infrastructure Bike Map	18
			Lawn & Garden Care	5
			Motor Oil Management	10
			Pet Waste Management	16
			Pet Waste Bag Dispensers	46
			Responsible Car Washing	4
			GLRC Fact Sheet	3
			GLRC Drawstring Backpack	48
			Tri-County Environmental Programs	1
Tri-County Water Policies & Programs Guide	6			
MGROW Brochures	2			
East Lansing Public Library <i>With Augmented Reality Sandbox</i>	3/28/2024		15 Augmented Reality Sandbox Brochure	10
			Do You Know Your Watershed	3
			Green Infrastructure at Home	3
			Lawn & Garden Care	3

		Motor Oil Management	3
		Pet Waste Management	3
		Responsible Car Washing	3
		Stormwater Smart Coloring Sheet	10
East Lansing Public Library	4/2/2024	15 Augmented Reality Sandbox Brochure	10
<i>With Augmented Reality Sandbox</i>		Do You Know Your Watershed	5
		Green Infrastructure at Home	5
		Lawn & Garden Care	5
		Motor Oil Management	5
		Pet Waste Management	5
		Responsible Car Washing	5
		Stormwater Smart Coloring Sheet	15
MSU Science Festival	4-13&14-2024	451 Annual Report	2
<i>With Augmented Reality Sandbox</i>		MyWatersheds.org sticker	73
<i>With GLRC Videos Showing</i>		I Help Protect Our Waters sticker	125
		Do You Know Your Watershed	8
		GLRC Fact Sheet	8
		GLRC bracelets	94
		GLRC Drawstring Backpack	139
		GLRC Water Bottles	50
		Green Infrastructure at Home	7
		Lawn & Garden Care	6
		Motor Oil Management	7
		Pet Waste Management	4
		Responsible Car Washing	8
		Protect the Red Cedar magnets	48
		Stormwater Smart Coloring Sheet	36
		Managing Your Septic System	17
		MGROW brochure	7
		Learn What You Can Do To Protect Our Drinking	11
		Coliform Bacteria In Drinking Water	7
		Augmented Reality Sandbox Brochure	20
		Pollution Isn't Pretty Pet Waste	10
		Tri-County Environmental Programs	4
Potter Park Zoo Arbor Day	4/26/2024	116 Stormwater Smart Coloring Sheet	108
<i>Hands-on activity on the importance of native trees</i>		I Help Protect Our Waters Sticker	108
Conservation Carnival, Lugnuts Arbor Day	4/26/2024	76 GLRC Drawstring Backpack	66
<i>Find the E. Coli game</i>			
Potter Park Zoo Party for the Planet	4/27/2024	155 Pet Waste Management	3
<i>With Enviroscope</i>		Motor Oil Management	3
		Do You Know Your Watershed	2
		Responsible Car Washing	1
		Green Infrastructure at Home	1
		MGROW	4
		Pet Waste Bag Dispensers	23
		Protect the Red Cedar Magnets	4
		I Help Protect Our Waters Sticker	70
		Augmented Reality Sandbox Brochure	1
		Tri-County Environmental Programs	2
		Coliform Bacteria in Drinking Water	2
		Learn What You Can Do To Protect Our Drinking	1
		GLRC Drawstring Backpack	50
Adopt A River	5/11/2024	126 Pet Waste Management	1

<i>With Enviroscope</i>		Lawn & Garden Care	7
		Do You Know Your Watershed	1
		Green Infrastructure at Home	9
		GLRC Fact Sheet	1
		Coliform Bacteria in Drinking Water	1
		Protect the Red Cedar Magnets	2
		MyWatersheds.org Sticker old	2
		I Help Protect Our Waters Sticker	36
		Pet Waste Bag Dispensers	11
		Green Infrastructure at Home	3
21st Annual Chuck Gorman Youth Day	8/3/2024	83 I Help Protect Our Waters Sticker	21
<i>With Paddling Demonstration</i>		GLRC Drawstring Backpack	100
		GLRC Bracelets	23
		GLRC Water Bottles	50
Red Cedar River Day Celebration	9/8/2024	116 Pet Waste Bag Dispensers	24
<i>With Enviroscope</i>		GLRC Bracelets	15
		GLRC Cups	8
		Annual Report	24
		Do You Know Your Watershed	4
		I Help Protect Our Waters Sticker	31
		Green Infrastructure at Home	2
		Lawn & Garden Care	4
		Motor Oil Management	2
		Pet Waste Management	1
		Responsible Car Washing	3
		Rain Garden Seed Card	12
		GLRC Drawstring Backpack	50
		Protect the Red Cedar Magnets	5
		Learn What You Can Do To Protect Our Drinking	2
		Coliform Bacteria in Drinking Water	3
		MGROW Brochure	5
GLRC Executive and Full Committee Meeting	9/9/2024	GLRC Annual Report	75
Conservation Pool Party	9/29/2024	What Is A Watershed	4
Lansing Christian School Stormwater Presentatic	12/16/2024	23 Do You Know Your Watershed	23
		I Help Protect Our Waters Sticker	23
		Green Infrastructure at Home	23
		Lawn & Garden Care	23
		Motor Oil Management	23
		Pet Waste Management	23
		Responsible Car Washing	23
		GLRC Drawstring Backpack	22
		Managing Your Septic System	23
		Mywatersheds.org duck	22
TOTALS		1,592	2,346
TOTALS FOR EACH MATERIAL		Annual Report	108
		ARS Brochure	41
		Do You Know Your Watershed	84
		GLRC bracelets	132
		GLRC Cups	47
		GLRC Water Bottles	100
		GLRC I Help Protect Our Waters Stickers	414
		Green Infrastructure at Home	59

Green Infrastructure Bike Map	18
Lawn & Garden Care	53
Motor Oil Management	53
Pet Waste Management	69
Pet Waste Bag Dispensers	117
Responsible Car Washing	47
GLRC Fact Sheet	19
Rain Garden Seed Card	12
Tri-County Environmental Programs	13
GLRC Drawstring Backpack	496
Protect the Red Cedar Magnets	63
Learn What You Can Do To Protect Our Drinking	14
MGROW Brochure	18
Coliform Bacteria in Drinking Water	13
Managing Your Septic System	40
MyWatersheds.org duck	22
MyWatersheds.org sticker	104
Tri-County Water Policies & Programs Guide	6
Stormwater Smart Coloring Sheet	169
Pollution Isn't Pretty Pet Waste	10

AUGMENTED REALITY SANDBOX HOSTINGS

ARS Star International Academy	March	60
East Lansing Library	April	180
MSU Science Festival	April	451
Northeast Middle School	May	300
Mt. Hope STEAM School	May	30
Leslie Middle School	June	60
Greyhound Intermediate School	June	30
Kids 'N' Stuff Children's Museum	July	250
TOTAL INTERACTIONS		1,361

APPENDIX D 2023 CAR WASH CAMPAIGN SIGN PLACEMENT/COUPONS REDEEMED

CAR WASH	LOCATION	DATE	QUANTITY	COUPONS REDEEMED
Meridian Township boat launch	6260 E Lake Dr, Haslett, MI 48840	11/13/2023	1	
Outshiner Car Wash	1878 W Grand River Ave, Okemos, MI 48864	1/2/2024	2	0
WhiteWater Express Car Wash	2703 E Grand River Ave, East Lansing, MI 48823	1/2/2024	2	5
Wash World	2209 Jolly Rd, Okemos, MI 48864	1/9/2024	2	52
Wash World	2780 Eaton Rapids Rd, Lansing, MI 48911	1/9/2024	2	48
Spotless	3423 S Cedar St, Lansing, MI 48910	1/9/2024	1	
Lansing Detail	2901 S Cedar St, Lansing, MI 48910	1/9/2023	1	
WhiteWater Express Car Wash	5032 S Cedar St, Lansing, MI 48910	1/9/2024	2	5
Fast Eddie's Car Wash and Oil Change	6939 S Cedar St, Lansing, MI 48911	1/9/2024	2	
Eagle Car Wash & Self Storage	1125 W Grand River Ave, Williamston, MI 48895	1/9/2024	2	
Admiral Gas Station and Car Wash	1100 W Grand River Ave, Williamston, MI 48895	1/9/2024	2	
B & K Enterprises Car Wash	2900 N Williamston Rd, Williamston, MI 48895	1/9/2024	2	
Fast Eddie's Car Wash and Oil Change	16836 Marsh Rd, Haslett, MI 48840	1/22/2024	0	requested corporate permission
Sunshine Auto Wash	6095 N Hagadorn Rd, East Lansing, MI 48823	1/22/2024	2	
Performance Plus Quick Oil Change & Car Wash	413 N Clippert St, Lansing, MI 48912	1/22/2024	2	
Pennzoil One Stop Wash-N-Lube	1141 W Clark Rd, Dewitt, MI 4882	1/22/2024	2	3
Capital Car Wash	2115 N Larch St, Lansing, MI 48906	1/22/2024	0	Automated, no contacts
Lansing Car Wash	812 N Larch St, Lansing, MI 48906	1/22/2024	2	
Tommy's Express® Car Wash	3715 W Saginaw St, Lansing, MI 48917	1/22/2024	2	
Capital Car Wash, Delta Township	5024 Midland Dr, Lansing, MI 48917	1/22/2024	0	Automated, no contacts
Mister Car Wash	6008 W Saginaw Hwy, Lansing, MI 48917	1/22/2024	2	
Xpert Auto Wash	5134 S Pennsylvania Ave, Lansing, MI 48911	1/31/2024	2	
229 Car Wash	5312 S Cedar St, Lansing, MI 48911	1/31/2024	2	
Fast Eddie's Car Wash and Oil Change	6939 S Cedar St, Lansing, MI 48911	1/31/2024	2	
Lincoln's Touch	4465 Keller Rd, Holt, MI 48842	1/31/2024	2	
Mr. Clean Car Wash	107 S Hartel Rd, Pottersville, MI 48876	1/31/2024	0	Automated, no contacts
Outshiner Oil Change & Car Wash	130 Lansing St, Charlotte, MI 48813	1/31/2024	0	Policy against signs
Val Pak website		10/1/2023		11
			41	124

APPENDIX E RECEIPTS FOR PEP EXPENDITURES 2023-2024



APPENDIX E RECEIPTS FOR PEP EXPENDITURES 2023

Order# 9910648671

Order placed: January 11, 2023

Invoice # 320727436
CHARGED on January 11, 2023
Item(s) Picked up in store

Item#	Item Description	Price	Quantity	Discounts	Subtotal
490887	Staples 110 lb. Cardstock Paper, 8.5" x 11", White, 250 Sheets/ Pack (49701)	\$24.79	1	\$0.00	\$24.79

Method of payment

VISA ending in *8068 - \$26.28

Subtotal:	\$24.79
Discounts:	\$0.00
Shipping/Fees:	\$0.00
Tax:	\$1.49
Total:	\$26.28



ASAP Printing
 2323 Jolly Road
 Okemos, MI 48864
 517.349.7300
 www.asapprinting.net

Invoice

No: **177996**

Date: 3/10/23

Customer PO:

Amanda Hathaway Frattarelli
 Tri County Regional Planning Commission
 3135 Pine Tree Road, 2 C
 Lansing MI

Quantity	Description	Amount
150	GLRC Annual Report- Covers printed in full color two sides on 80# Lynx cover, plus 12 text pages printed in full color on 24# text. Collated, folded and saddle stitched to finish size of 8.5" x 11"	\$ 428.15
Sales Rep: House Taken by: Gary A Account Type: Charge We appreciate the opportunity to serve you! GLRC Annual Report		SUBTOTAL \$ 428.15 Sales Tax \$ 0.00 SHIPPING \$ 0.00 DEPOSITS \$ 0.00 TOTAL \$ 428.15 AMOUNT DUE \$ 428.15 50



ASAP Printing
 2323 Jolly Road
 Okemos, MI 48864
 517.349.7300
 www.asapprinting.net

Invoice

No: **178267**

Date: 3/31/23

Customer PO:

Amanda Hathaway Frattarelli
 Tri County Regional Planning Commission
 3135 Pine Tree Road, 2 C
 Lansing MI

Quantity	Description	Amount
1,000	Six Brochures (Responsible Car Washing, Lawn & Garden Care, Green Infrastructure At Home, Motor Oil Management, Pet Waste Management, We All Live in A Watershed)- Printed At Same Time - no bleeds (Exact Reprint), 8.5 x 11 White 100# Flo Dull Text, 6 sheets, printed, 4 colors front in 4 color process ink, 4 colors back in 4 color process ink	\$ 1,461.53
Sales Rep: Gary A Taken by: Gary A Account Type: Charge We appreciate the opportunity to serve you! Brochures -Six Printed At Same Time (Exact Reprint)		SUBTOTAL \$ 1,461.53 Sales Tax \$ 0.00 SHIPPING \$ 0.00 DEPOSITS \$ 0.00 TOTAL \$ 1,461.53 AMOUNT DUE \$ 1,461.53 51

**Office DEPOT
OfficeMax**

DKEMDS - (517) 536-1609
06/16/2023 12:30 PM

***** REPRINT *****
Reprint Transaction # 33790616230044377



DV7VTPA6P4634RCEBB

SALE 3379-4-4376-785268-23.4.1
852143 Laminate, WF, 5m
4 @ 2.39

You Pay
Subtotal: 9.56
Sales and Use Tax 0.57 28.64

Order Management Invoice # 3169254730013

114318 JDA GMILL ORDE
Total: 19.08 E
Visa 8068: 29.21

AUTH CODE 08444D
TDS Chip Read
AID A0000C00031010 43484153452056495341
TVR 0000008000
CVS No Signature Required

Member #: 58*****665

Shop online at www.officedepot.com

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and enter the survey code below
C6JP JMQC FORH
or scan the below QR code



**Office DEPOT
OfficeMax**



International Minute Press
6323 West Saginaw Hwy., Suite B
Lansing, MI 48917
Phone: (517) 323-7777
Fax: (517) 323-8237
email: lansing-mi@intlminutepress.com
www.lansing.intlminutepress.com

INVOICE

Invoice Number 34301
Invoice Date 9/28/2023

Bill to: TRI-COUNTY Reginal Planning Commission
3135 Pine Tree Rd, Ste. 2C
Lansing, MI 48911

Ship to: TRI-COUNTY Reginal Planning Commission
3135 Pine Tree Rd, Ste. 2C
Lansing, MI 48911

Phone: 517-393-0342 ext 110
Email: sfink@mitcrpc.org

Phone: 517-393-0342 ext 110
Email: sfink@mitcrpc.org

WE DO CUSTOM GRAPHICS WORK!

100 One sided Yard Signs with Stakes (Job 70727) \$700.00

Invoice Subtotal: \$700.00

Tax: \$42.00

Invoice Total: \$742.00

Balance Due: \$742.00

**Click or Scan the QR Code
to Pay Online** 



Salesperson: Cary Ritter

Terms: Net 30 Days

Please pay from this invoice. No statements will be sent.

Thank you for your order! We appreciate your business.

Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Sep 25, 2023, 9:53 AM

Payment method
MasterCard · 8708
Reference Number: 7RGAXSF962

Transaction ID
6465879753523044-13375558

Product Type
Meta ads

Paid

\$175.16 USD

You made this manual payment.

Campaigns

Post: "Homeowners, #doyourpart during #SepticSmartWeek!..."	\$175.16
From Sep 20, 2023, 12:00 AM to Sep 23, 2023, 11:59 PM	

Post: "Homeowners, #doyourpart during #SepticSmartWeek!..."	12,825 Impressions
	\$175.16

Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Sep 28, 2023, 11:21 AM

Payment method
MasterCard · 8708
Reference Number: WA3GRS7A62

Paid

\$175.00 USD

Transaction ID
6445517698892589-13396811

You're being billed because you reached your \$175.00 payment threshold.

Product Type
Meta ads

Campaigns

Post: "#DYK washing □□□□ in your driveway or street..."

\$175.00

From Sep 25, 2023, 12:00 AM to Sep 28, 2023, 11:21 AM

Post: "#DYK washing □□□□ in your driveway or street..."

10,870 Impressions

\$175.00

Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Oct 25, 2023, 3:32 AM

Payment method
MasterCard · 8708
Reference Number: QC9LYU3A62

Transaction ID
6694138240697198-13581439

Product Type
Meta ads

Paid

\$120.84 USD

Ad spend since Sep 28, 2023.

Campaigns

Post: "#DYK washing □□□□ in your driveway or street..."		\$120.84
From Sep 28, 2023, 12:00 AM to Sep 30, 2023, 11:59 PM		

Post: "#DYK washing □□□□ in your driveway or street..."	6,618 Impressions	\$120.84



Statement

To
James Snell
Tri-County Regional Planning Commission
LANSING, MI 48911
United States

Details

Account ID152-656-6368
Payments account ID 3536-6922-6684-3696
Payments profile ID7738-8195-1028
Statement issue date Sep 30, 2023

Google Ads

Summary for Sep 1, 2023–Sep 30, 2023

Starting balance	-\$3.19
Total new activity	\$999.71
Total payments received	-\$508.49

Ending balance in USD	\$488.03
-----------------------	----------

This is not a bill.

This is a summary of billing activity for the time period stated above.

Google™ Statement

Account ID: 152-656-6368

Sep 1, 2023 - Sep 30, 2023

Description	Quantity	Units	Amount(\$)
Video Non-skippable - 2023-08-16	118763	Impressions	999.71
		Subtotal in USD	\$999.71
		Tax (0%)	\$0.00
		Total in USD	\$999.71

PAYMENTS RECEIVED

Date	Description	Amount(\$)
Sep 25	Manual payment: Mastercard •••• 8708	-508.49
	Total payments received in USD	-\$508.49

APPENDIX E RECEIPTS FOR PEP EXPENDITURES FY 2024

PotterVilla Applied Technology

126 N. Bostwick St
 Charlotte, MI 48813
 www.potterville.com
 help@potterville.com
 517-588-3030



Tri-County Regional Planning Commission

3135 Pine Tree Road Ste 3
 Delhi Charter Township, MI, United States 48911

Invoice #	25660
Invoice Date	10-06-23
Invoice Due By	10-06-23
Balance Due	\$294.51

Item	Description	Unit Cost	Quantity	Line Total
Crucial 8GB Single SODIMM DDR4	Crucial 8GB Single SODIMM DDR4	\$41.99	1.0	\$41.99
Business Labor	Business Labor \$150.00 per hour Discounted to \$100/hour	\$100.00	2.5	\$250.00

Subtotal	\$291.99
Tax	\$2.52
Invoice Total	\$294.51
Payments	\$0.00
Credits	\$0.00
Balance Due	\$294.51

Make checks out to: PVAT

Mailing Address:
 126 N Bostwick St, Charlotte, MI 48813



Payment Receipt

Google LLC
1600 Amphitheatre Pkwy
Mountain View, CA 94043
United States

Payment date Oct 1, 2023
Billing ID 7738-8195-1028
Payment method Mastercard •••• 8708
Payment number A48195193039137523

Tax identification number
77-0493581

Tri-County Regional Planning Commission
James Snell
LANSING, MI 48911
United States

Description	
Payment amount	\$488.03



Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Oct 25, 2023, 3:32 AM

Payment method
MasterCard · 8708
Reference Number: QC9LYU3A62

Transaction ID
6694138240697198-13581439

Product Type
Meta ads

Paid

\$120.84 USD

Ad spend since Sep 28, 2023.

Campaigns

Post: "#DYK washing □□□□ in your driveway or street..."	\$120.84
From Sep 28, 2023, 12:00 AM to Sep 30, 2023, 11:59 PM	
Post: "#DYK washing □□□□ in your driveway or street..."	6,618 Impressions
	\$120.84

Quiet Adventures Society
PO Box 27412
Lansing, MI 48909

Registration Invoice

December 15, 2023
Invoice #E2858 (pg 1/1)

Sold To: Amanda Hathaway Frattarelli
Tri-County Regional Planning Commission
3135 Pine Tree Rd Ste. 2C, Lansing, MI 48911
Lansing, MI 48911

Event Name: 29th Annual Quiet Adventures Symposium Exhibitor Packages
Date(s): 03/02/24 - 03/02/24
Location: MSU Livestock Pavilion

Purchase Description	Amounts
<p>Hathaway Frattarelli, Amanda Package: Exhibitor - Non-Commercial Package (\$0.00 USD) Select the number of exhibit booth spaces you wish to purchase Two 2 Booths</p> <p>Make checks payable to Quiet Adventures Society - Due within 30 days or by February 3, 2024 Please add to the amount due a \$15 administrative fee if making payment after February 3, 2024</p>	<p>\$0.00 USD \$60.00 USD</p>
<p>Purchase Total, Invoice #E2858:</p> <p>Payment Received:</p> <p>Amount Due:</p>	<p>\$60.00 USD</p> <p>\$0.00 USD</p> <p>\$60.00 USD</p>



Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Dec 20, 2023, 11:29 AM

Payment method
MasterCard · 8708
Reference Number: U6F2VW3A62

Transaction ID
6794503980660618-6758089547635401

Product Type
Meta ads

Paid

\$247.83 USD

You requested this manual payment.

Campaigns

Post: "🐶 dog lovers, #DYK when it rains or snow melts,..."	\$247.83
From Dec 2, 2023, 12:00 AM to Dec 9, 2023, 11:59 PM	
Post: "🐶 dog lovers, #DYK when it rains or snow melts,..."	15,350 Impressions
	\$247.83



Details for Order #114-3530636-9628267

[Print this page for your records.](#)

Order Placed: December 27, 2023

Amazon.com order number: 114-3530636-9628267

Order Total: \$22.25

Not Yet Shipped	
<p>Items Ordered</p> <p>1 of: <i>Legal Size Card Stock Paper 8.5 x 14 Inches White Colored Smooth 65lb Cover Cardstock Pastel Color Paper for Documents, Programs, Menus Printing Laser Printers (100 Pcs)</i></p> <p>Sold by: Shechekin (seller profile)</p> <p>Supplied by: Other</p> <p>Condition: New</p>	<p>Price</p> <p>\$20.99</p>
<p>Shipping Address: Amanda H Frattarelli 3753 BEEMAN RD WILLIAMSTON, MI 48895-9352 United States</p> <p>Shipping Speed: FREE Prime Delivery</p>	

Payment information	
<p>Payment Method: Visa ending in 8068</p> <p>Billing address Amanda H Frattarelli 3753 BEEMAN RD WILLIAMSTON, MI 48895-9352 United States</p>	<p>Item(s) Subtotal: \$20.99</p> <p>Shipping & Handling: \$0.00</p> <p>-----</p> <p>Total before tax: \$20.99</p> <p>Estimated tax to be collected: \$1.26</p> <p>-----</p> <p>Grand Total: \$22.25</p>

To view the status of your order, return to [Order Summary](#).

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Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Dec 20, 2023, 11:29 AM

Payment method
MasterCard · 8708
Reference Number: U6F2VW3A62

Transaction ID
6794503980660618-6758089547635401

Product Type
Meta ads

Paid

\$247.83 USD

You requested this manual payment.

Campaigns

Post: "🐶 dog lovers, #DYK when it rains or snow melts,..."	\$247.83
From Dec 2, 2023, 12:00 AM to Dec 9, 2023, 11:59 PM	
Post: "🐶 dog lovers, #DYK when it rains or snow melts,..."	15,350 Impressions
	\$247.83

PURCHASE REQUISITION

DATE REQUESTED: 12/27/2023
DATE NEEDED: 1/3/2023
VENDOR: PetSmart
STREET: 5135 Times Square Dr

PICK UP: x
DELIVER:
PHONE: 517-347-6656
CITY/STATE/ZIP: Okemos, MI 48864

DESCRIPTION	QUANTITY	UNIT COST	TOTAL COST	PROJECT CHARGE
\$20 gift cards	12	\$20.00	\$240.00	3279
TOTAL			\$240.00	

Needed For: GLRC PEP - Dog Calendar Winners

Price Quoted by: PetSmart

Requested by: *Amenda Hernandez* *Trattarelli* *Greg*

Approved by: *Nick* _____

Order:	Mailed _____	Process:	Open Account _____
	Phone _____		Check _____
	Hand Delivered _____		Petty Cash _____



Ph: 888.282.9507
 Fx: 847.329.9797
 6211 W. Howard St.
 Niles, IL 60714
 www.identitylinks.com

Sales Order / Confirmation

Date	SO #
2/9/2024	325980

Bill To:		Ship To:	
Tri-County Regional Planning Commission Amanda Hathaway Frattarelli 3135 Pine Tree Road Suite 2c Lansing, MI 48911		Tri-County Regional Planning Commission Amanda Hathaway Frattarelli 3135 Pine Tree Road Suite 2c Lansing, MI 48911	
Estimated In Hands Date	Rep	P.O. No.	Terms
2/22/2024	KY	*****	Credit Card

>>>> THIS IS NOT AN INVOICE <<<<<

Due to production policy, you may receive 5% maximum more or less than quantity ordered. You will be charged, or credited, AFTER order is complete for any additional, or short quantity shipped by the manufacturer.

******* IF YOU CANNOT ACCEPT OVERRUNS, PLEASE NOTIFY YOUR SALES REP. *******

FREIGHT will be added to your order unless specified otherwise.

Description	Quantity	Rate	Amount
REORDER: SO# 316486 197377			
Item# PET865 Identity Colorific Bone Shaped Bag Dispensers	300	1.00	300.00
Item Color: Green Imprint Color: White - Same Art as SO# 316486			
Setup Fee - Reorder	1	0.00	0.00
>>> UPS Shipping - Ground (2 Days in Transit)	1	33.86	33.86

Subtotal	\$333.86	Sales Tax (0.0%)	\$0.00	Total	\$333.86
----------	----------	------------------	--------	--------------	-----------------

Review our terms & conditions at www.identitylinks.com



8000 Haskell Ave., Van Nuys, CA 91406
Toll Free: 888.888.4211
Mon-Fri(24 Hours a Day), Sat-Sun(6am-5pm PT)

Invoice for Order # 12396249

Bill to: James Snell

Amanda Frattarelli

Order Date: 04/3/2024

3135 Pine Tree Road, Suite 2C, Lansing, MI, ID 8190724

P.O.#:

Email: ahathawayfrattarelli@mitcrpc.org | Phone: (517) 999-8905

Product Details	Delivery & Destination	Quantity	Price
ITEM #19473540 Product: Stickers Shape : Circle Size : 2" x 2" Material : 70 lb. Label Gloss Printed Side : Front Only Bundling : None Printing Time : 3 Business Days	Delivery 3 Day Transit Shipping Address Amanda Hathaway Frattarelli 3753 BEEMAN RD WILLIAMSTON, MI 48895 Phone: (517) 999-8905 Shipping & Handling: \$16.71	500	\$ 70.15

Payment Information

Credit Card: MASTERCARD Ending in 8708

Payment Date: 04/03/2024

Subtotal	\$70.15
Shipping & Handling	\$16.71
Sales Tax	\$0
Order Total	\$86.86
Paid	\$86.86
Balance Due	\$0

All orders are subject to the Terms & Conditions on UPrinting.com. For details, please visit <https://www.uprinting.com/Terms.html>



Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Apr 25, 2024, 5:34 AM

Payment method
MasterCard · 8708
Reference Number: EFASTZX962

Transaction ID
7167570153354000-7302813236496354

Product Type
Meta ads

Paid

\$249.22 USD

Ads spend since Apr 12, 2024.

Campaigns

Post: "It's time for #SpringCleaning ☐☐ ☐☐. Remember ☐☐ to..."	\$249.22
From Apr 12, 2024, 12:00 AM to Apr 19, 2024, 11:59 PM	
Post: "It's time for #SpringCleaning ☐☐ ☐☐. Remember ☐☐ to..."	30,786 Impressions
	\$249.22



BRD Printing Incorporated

912 W Saint Joseph
Lansing, MI 48915-1694
Phone (517) 372-0268
Fax (517) 372-4922
sales@brdprinting.com
www.brdprinting.com

Quotation

103109

To:
Tri-County Regional Planning Commission
913 W Holmes Rd Ste 201
Lansing, MI 48910-0411
Phone 393-0342
Fax 393-4424

Date 05/15/2024
Time 9:18:13 AM
Salesperson Angie Steiss
Estimator Cody Wilson

Dear Tri-County Regional Planning Commission

We would like to thank you for your time and consideration in regards to this quotation.

Below are your detailed production specifications. Please review carefully.

Description	Annual Report - 8pg selfcover
Workflow Provided	File - Digital Direct BRD to output via customer supplied print ready electronic files Electronic files subject to review. Alterations to supplied files are subject to additional charges.
PrePress Pages	Print Ready PDF supplied 8 Pages
Size	Final Size : 8.5 x 11; bleeds 4 sides
Paper	80.0 lb Digital Dull Text
Ink	4/4 Process
Finishing	Saddlebind via InLine Booklet Maker
Packaging	Carton Pack
Shipping	Local delivery as required by BRD. Out of local delivery, will ship UPS, or best way at additional charge.

Prices	Quantity	Prices
	150	\$228.87

NOTE: Due to current market conditions, all quotes are subject to change based on the current paper pricing and availability when your order is placed. Providing an estimate is not a guarantee of paper availability.

Terms: Net 30 Days

Quoted By: Angie Steiss Sign: _____ Date: _____
 Accepted By: Amanda H Frattarelli Sign: Amanda H Frattarelli Date: 5/15/24

Manufacturing prices are valid for 30 days unless otherwise specified. Estimate is based on material costs at time of estimate and are subject to change at time of order.

TRI-COUNTY REGIONAL PLANNING COMMISSION

Payment Approval Form

Vendor: Eaton Conservation District

Billing Period: 10/5/2023-5/30/2024

Amount of this Invoice(s) approved for payment: \$943.99

Invoice(s) # 24-1693, 24-1694

Total Contract Amount: \$943.99

Amount billed to Date: \$943.99
(Including this invoice)

Contract Balance: \$0

APPROVAL

Project Manager *Amenda Pinauro* Date 7/12/24

Supervisor _____ Date _____

Deputy Director _____ Date _____

Executive Director _____ Date _____

Finance Director _____ Date _____

Eaton Conservation District

551 Courthouse Drive, Ste. 3
Charlotte, MI 48813
eatoncd@macd.org



INVOICE

BILL TO
Tri-County Regional Planning Commission
3135 Pine Tree Road, Suite 2C
Lansing, MI 48911

INVOICE 24-1694
DATE 07/01/2024
TERMS Net 30
DUE DATE 07/31/2024

DATE		DESCRIPTION	AMOUNT
10/05/2023	Fees for Service	ARS Travel - Burrage Library	17.03
10/19/2023	Fees for Service	ARS Travel - Stockbridge Jr. High	72.71
03/28/2024	Fees for Service	ARS Travel - East Lansing Library	36.18
04/12/2024	Fees for Service	ARS Travel - MSU STEM Building	34.84
04/13/2024	Fees for Service	ARS Travel - MSU STEM Building	34.84
04/14/2024	Fees for Service	ARS Travel - MSU STEM Building	34.84
SUBTOTAL			230.44
TAX			0.00
TOTAL			230.44
BALANCE DUE			\$230.44

Eaton Conservation District

551 Courthouse Drive, Ste. 3
Charlotte, MI 48813
eatoncd@macd.org



INVOICE

BILL TO
Tri-County Regional Planning Commission
3135 Pine Tree Road, Suite 2C
Lansing, MI 48911

INVOICE 24-1693
DATE 07/01/2024
TERMS Net 30
DUE DATE 07/31/2024

DATE		DESCRIPTION	AMOUNT
02/26/2024	Fees for Service	ARS Travel - Star International Academy	134.67
03/11/2024	Fees for Service	ARS Travel - Star International Academy	142.04
05/01/2024	Fees for Service	ARS Travel - Northeast Middle School	139.36
05/15/2024	Fees for Service	ARS Travel - Northeast Middle School	146.06
05/30/2024	Fees for Service	ARS Travel - Jefferson Middle School	151.42

		SUBTOTAL	713.55
		TAX	0.00
		TOTAL	713.55

		BALANCE DUE	\$713.55

Network Solutions, LLC
5335 Gate Parkway
Jacksonville, FL32256

Account Name: Tri-County Regional Planning Commission
Account ID: 29123097
Address: Tri-County Regional Planning Commission
3135 PINETREE RD STE 2C
Suite 201
LANSING, MI48911-4234

Invoice # 97667881

Charges and Credits:

Date	Type	Product Type	Product Name	Term	Amount	Tax	Tax Type	Total Charges
07/25/24	Renewal	domain .ORG	Mywatersheds.Org	1 Year	\$USD39.99	\$USD0.00		\$USD39.99
Total Invoice Amount					\$ USD39.99	\$ USD0.00		\$ USD39.99

Payments:

Date	Order Number	Payment Method	Check/Card#/PayPal ID	Total Payments
07/25/24	1742658279	CreditCard	****0350	\$39.99

Please Note:

1. The payment information shown may not reflect the payment method used for each transaction, and all billing activity may not be shown here.
2. Order numbers may appear in multiple accounts if an order included services from more than one account.
3. Recent purchases may take 24 to 48 hours to appear in your billing information.
4. Some products and services are subject to sales tax. Taxes charged reflect the jurisdiction of your business address.



Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date

Jul 8, 2024, 10:51 PM

Payment method

Paypal account communications@mitcrpc.org

Transaction ID

7605202229590789-7973168522794150

Product Type

Meta ads

Paid

\$250.00 USD

You're being billed because you reached your \$250.00 payment threshold.

Campaigns

Post: "Sweep to be Stormwater Smart"

From Jul 4, 2024, 12:00 AM to Jul 8, 2024, 10:51 PM

\$250.00

Post: "Sweep to be Stormwater Smart"

42,472 Impressions

\$250.00

From: [Bolton & Menk, Inc](#)
To: [Amanda Hathaway Frattarelli](#)
Subject: Registration Confirmation To Bolton & Menk, Inc
Date: Wednesday, July 31, 2024 11:16:30 AM

You don't often get email from noreply@regfox.com. [Learn why this is important](#)

Registration Confirmation To Bolton & Menk, Inc

Important: Your registration is pending until your payment has been received in full. When it has been received, you'll receive a new email confirmation. Please see instructions below to send in your payment.

Your Registration Details Are Below

Confirmation SPNSRSLTSYMP5001Q

Sponsor Salt Symposium 2024 Digital Pass for Amanda Hathaway Frattarelli

[Access Virtual Event](#)

Sponsorship Options	Gold Sponsor	\$2,500.00
---------------------	--------------	------------

Sponsor Organization	Tri-County Regional Planning Commission
----------------------	---

Name	Amanda Hathaway Frattarelli
------	-----------------------------

Email	ahathawayfrattarelli@mitcrpc.org
-------	----------------------------------

Phone Number	+15179998905
--------------	--------------

Address	3135 Pine Tree Rd., Suite 2C Lansing, MI 48911 US
Coupon Code	(\$500.00)
Registrant ID	01J44NT7XNF9AK3RF4F

Billing Information

Name	Amanda Hathaway Frattarelli
Organization Name	Greater Lansing Regional Committee for Stormwater Management/Tri-County Regional Planning Commission
Address	3135 Pine Tree Rd. Lansing, MI 48911 US
Payment Method	Check or PO
Payment Instructions	Pay by check: check payable to Bolton & Menk, Inc.; memo: salt symposium and include names of registrants if known. Mail to Bolton & Menk., 1960 Premier Dr., Mankato, MN 56001 If you need an invoice or have payment questions, email ar@bolton-menk.com prior to sending payment.
Organization Email	ahathawayfrattarelli@mitcrpc.org
Organization Phone	+15173930342
Date	Jul 31 2024

Total \$2,000.00

[View Receipt](#)

This message is sent from Bolton & Menk, Inc.

Reference:



RECEIPT

CREATIVE MARKET LABS, INC. TAX ID NUMBER
27-5084907

ORDER NUMBER 141590748	RECEIPT DATE August 28, 2024
NAME/USERNAME ahathawayfrattarelli	PURCHASE DATE August 28, 2024
EMAIL ADDRESS ahathawayfrattarelli@mitcrpc.org	PURCHASE METHOD MasterCard ending in 0350
DELIVERED VIA Digital Download	

DESCRIPTION	LICENSE	QTY	UNIT COST	NET PRICE
Travel Trifold Brochure by Esensifiksi.studio	Extended Commercial	1	\$76.00	\$76.00

Subtotal	\$76.00
Sales Tax Total	\$0.00
Credit Card	\$76.00
Grand Total	\$76.00

PLEASE NOTE: ALL PRICES ARE IN USD

ADDITIONAL NOTES

ahathawayfrattarelli@mitcrpc.org
Tri-County Regional Planning Commision
3135 Pine Tree Rd, Suite 2C
Lansing, MI 48911



Statement

To

James Snell
Tri-County Regional Planning Commission
3135 Pine Tree Rd Suite 2C
Lansing, MI 48911-4234
United States

Details

Account ID152-656-6368
Payments account ID3536-6922-6684-3696
Payments profile ID7738-8195-1028
Statement issue dateAug 31, 2024

Google Ads

Summary for Aug 1, 2024–Aug 31, 2024

Starting balance	-\$1.99
Total new activity	\$749.76
Total payments received	-\$500.00

Ending balance in USD	\$247.77
-----------------------	----------

This is not a bill.

This is a summary of billing activity for the time period stated above.

Account ID: 152-656-6368
Aug 1, 2024 - Aug 31, 2024

Description	Quantity	Units	Amount(\$)
GSI/Rain Gardens - 2024-08-23	257822	Impressions	749.76
		Subtotal in USD	\$749.76
		Tax (0%)	\$0.00
		Total in USD	\$749.76

PAYMENTS RECEIVED

Date	Description	Amount(\$)
Aug 29	Threshold charge: Mastercard ****0350. A15039957514887720	-500.00
	Total payments received in USD	-\$500.00



Statement

To

James Snell
Tri-County Regional Planning Commission
3135 Pine Tree Rd Suite 2C
Lansing, MI 48911-4234
United States

Details

Account ID152-656-6368
Payments account ID3536-6922-6684-3696
Payments profile ID7738-8195-1028
Statement issue dateSep 30, 2024

Google Ads

Summary for Sep 1, 2024–Sep 30, 2024

Starting balance	\$247.77
Total new activity	\$749.05
Total payments received	-\$996.82

Ending balance in USD	\$0.00
-----------------------	--------

This is not a bill.

This is a summary of billing activity for the time period stated above.

Account ID: 152-656-6368

Sep 1, 2024 - Sep 30, 2024

Description	Quantity	Units	Amount(\$)
Video Conversions - 2024-09-16	218343	Impressions	749.14
Invalid activity - Original Month of Service: Aug 2024, Campaign Name: GSI/Rain Gardens - 2024-08-23			-0.09
		Subtotal in USD	\$749.05
		Tax (0%)	\$0.00
		Total in USD	\$749.05

PAYMENTS RECEIVED

Date	Description	Amount(\$)
Sep 1	Monthly charge: Mastercard ••••0350. A20532633233144076	-247.77
Sep 19	Threshold charge: Mastercard ••••0350. A15927605017016626	-500.00
Sep 30	Manual payment: Mastercard ••••0350. M79317394417	-249.05
	Total payments received in USD	-\$996.82



Receipt for Amanda Hathaway Frattarelli

Account ID: 1752243761777708

Invoice/Payment Date
Sep 20, 2024, 9:20 AM

Payment method
Paypal account communications@mitcrpc.org

Transaction ID
8068351919942482-7989235744520766

Product Type
Meta ads

Paid

\$250.00 USD

You're being billed because you reached your \$250.00 payment threshold.

Campaigns

Post: "Get #SepticSmart and #DoYourPart to protect our..."	\$250.00
From Sep 16, 2024, 12:00 AM to Sep 20, 2024, 9:20 AM	

Post: "Get #SepticSmart and #DoYourPart to protect our..."	38,714 Impressions
	\$250.00



BRD Printing Incorporated

912 W Saint Joseph
Lansing, MI 48915-1694
Phone (517) 372-0268
Fax (517) 372-4922
sales@brdprinting.com
www.brdprinting.com

Quotation

104649.2

To:
Tri-County Regional Planning Commission
3135 Pine Tree Rd
Lansing, MI 48911
Phone (517) 999-8905
Fax 393-4424
Email ahathawayfrattarelli@mitcrpc.org

Date 09/27/2024
Time 9:45:13 AM
Salesperson Angie Steiss
Estimator Cody Wilson

Dear Tri-County Regional Planning Commission

We would like to thank you for your time and consideration in regards to this quotation.

Below are your detailed production specifications. Please review carefully.

Description	Brochures - 6 different
Workflow Provided	File - CTP w/CANON BRD to output via customer supplied print ready electronic files Electronic files subject to review. Alterations to supplied files are subject to additional charges.
PrePress Pages	Kodak CTP Plate, Grayscale Mockup, HR/CANON Color Proof, PreFlight, Imposition 12 Pages
Size	Flat Size : 11 x 8.5; bleeds 4 sides
Paper	100.0 lb Gloss Text
Ink	4/4 Process
Finishing	Trim, letterfold to 8.5 x 3.67, Shrink Wrap in 25's
Packaging	Carton Pack per version
Shipping	Local delivery as required by BRD. Out of local delivery, will ship UPS, or best way at additional charge.

Prices	Quantity	Prices
	See below	\$2,331.26

3,000 of 5 brochures, 4,000 of 1 brochure - 19,000 total pieces

NOTE: Due to current market conditions, all quotes are subject to change based on the current paper pricing and availability when your order is placed. Providing an estimate is not a guarantee of paper availability.

Terms: Net 30 Days

Quoted By: _____ Angie Steiss **Sign:** _____ **Date:** _____

Accepted By: _____ Amanda Hathaway Frattarelli **Sign:** Amanda Hathaway Frattarelli **Date:** 10/10/2024

IDDE a grate concern

Acknowledgment of Training

(This top section should be filled in by the trainer)

IUP
Field Training

Signature(s) below are acknowledgment that on (date) 7/12/04
these individuals participated in a training session at the:

Location Name: Th-County Regional Planning Comm

Address: 3135 Pine Tree Rd Lansing MI 48911

Given by: (trainer's name) Emily Shat

(title) engineer, Spicor Group

This training session presented information on illicit discharge detection and elimination.
During this session, the individuals listed below viewed the training video:

IDDE: a grate concern

The participants' signatures below affirm they were given adequate time to ask questions about
their particular job activities and how they could best conduct these activities.

Please read the above paragraph before signing below.

PRINT NAME HERE

SIGNATURE HERE

→ YOUNES Ishraighi

Cliff Watts

Andy Gordon

→ JACK HUGHES

Tai Heitzeg

Jonathan Maag

francisco Horta

Tyler Volk

DANIEL TELMAN

Ben Bradley

Vason Leveck

Craig Rathbun

Younes Ishraighi M.T.

Cliff Watts

Andy Gordon

JACK HUGHES

Tai Heitzeg

Jonathan Maag

francisco Horta

Tyler Volk

DANIEL TELMAN

Ben Bradley

Vason Leveck

Craig Rathbun

IDDE a grate concern

Acknowledgment of Training

(This top section should be filled in by the trainer)

Signature(s) below are acknowledgment that on (date) _____,
these individuals participated in a training session at the:

Location Name: _____

Address: _____

Given by: (trainer's name) _____

(title) _____

This training session presented information on illicit discharge detection and elimination.
During this session, the individuals listed below viewed the training video:

IDDE: a grate concern

The participants' signatures below affirm they were given adequate time to ask questions about
their particular job activities and how they could best conduct these activities.

Please read the above paragraph before signing below.

PRINT NAME HERE

SIGNATURE HERE

Nathan Rees

N Rees

→ Caycee Hart

Caycee Hart

Mary Lindsey

Mary L. Bryant

Allen Bryant

Allen Bryant

Marc Jones

Marc P. Jones

IDDE a grate concern

Acknowledgment of Training

(This top section should be filled in by the trainer)

Signature(s) below are acknowledgment that on (date) 7/12/24,
these individuals participated in a training session at the:

Location Name: Tri County Regional Planning Comm

Address: 3135 Pine Tree Rd

Given by: (trainer's name) Amanda Hathaway Frattaroli
(title) Environmental Planner

This training session presented information on illicit discharge detection and elimination.
During this session, the individuals listed below viewed the training video:

IDDE: a grate concern

The participants' signatures below affirm they were given adequate time to ask questions about
their particular job activities and how they could best conduct these activities.

Please read the above paragraph before signing below.

PRINT NAME HERE

SIGNATURE HERE

Francisco Horta

Jonathan Maag

Tai Hertzog

→ SAK HUSHE'S

Andy Gordon

Cliff Walls

→ YOUTES Shreich

Joseph Callahan

Stephen Darling

Britten Mueckel

STEPHEN CLAYTON

Tyler Volk

Mare Jones

[Signature]

[Signature]

[Signature]

[Signature] M.T

[Signature]

[Signature] M.T

[Signature]

[Signature]

[Signature]

[Signature] COEL

[Signature]

[Signature]

[Signature]

IDDE a grate concern

Acknowledgment of Training

(This top section should be filled in by the trainer)

Signature(s) below are acknowledgment that on (date) _____, these individuals participated in a training session at the:

Location Name: _____

Address: _____

Given by: (trainer's name) _____

(title) _____

This training session presented information on illicit discharge detection and elimination. During this session, the individuals listed below viewed the training video:

IDDE: a grate concern

The participants' signatures below affirm they were given adequate time to ask questions about their particular job activities and how they could best conduct these activities.

Please read the above paragraph before signing below.

PRINT NAME HERE

SIGNATURE HERE

Allen Bryant

MARY LINDSEY

→ Caycee Hart

ALAN CHAPPELL

Craig Rathbun

Nathan Reed

Allen Bryant

Mary Lindsey

Caycee Hart

Alan Chappell

Craig Rathbun

N. Reed

M.T



PP Storm Watch
 IDDE
 RAIN check

MS4 TRAINING
April 5, 2024
Service center

NAME	SIGNITURE
JACK HUSHES	<i>[Signature]</i>
Paul Riker	<i>[Signature]</i>
MIKE LOVE	<i>[Signature]</i>
Thomas Riker	<i>[Signature]</i>
<i>[Signature]</i>	DON CUSON
DAVE BOROWICZ	<i>[Signature]</i>
TRAVIS FULLER	Travis Fuller
Martin Lounney	Martin Lounney
DAN LUMAS	<i>[Signature]</i>
JOSH CANNON	<i>[Signature]</i>
KEITH HEWITT	<i>[Signature]</i>
TYLER KENWELL	<i>[Signature]</i>
JUSTIN COHEN	<i>[Signature]</i>
Kyle Long	<i>[Signature]</i>
Dan Palacios	<i>[Signature]</i>
<i>[Signature]</i>	Jacob Flannery
TRUCK COORDINATOR	<i>[Signature]</i>
James Arnett	<i>[Signature]</i>

Robert May

Derrick Bobb *[Signature]*
 Mike Ellis *[Signature]*
 Larry Bobb *[Signature]*
 Robert Stagg *[Signature]*
 YOUNES Ishraidi *[Signature]*

Appendix I

From: [Doug Klimbal](#)
To: [Amanda Hathaway Frattarelli](#)
Subject: RE: Smart Salting Symposium attendees
Date: Monday, September 16, 2024 10:41:58 AM
Attachments: [image001.png](#)

Good morning Amanda,
 I dug into our records and found this list of accounts that used your coupon code to register for Salt Symposium. Unfortunately, for those those where attendance is listed as "false" I can't find a record of them actually signing in. It could be they forwarded the registration to another account that I can't track. I checked across the same domain or organization and couldn't fill any of those gaps.

Attendee					
Name					
(First Name)	Attendee Name (Last Name)	Attendee Email	Organization	Job Title	Attendance
	Hathaway		Tri-County Regional Planning		
Amanda	Frattarelli	ahathawayfrattarelli@mitcrpc.org	Commission	Environmental Planner	TRUE
Younes	Ishraidi	ishraidi@meridian.mi.us	Meridian Township	Township Engineer	TRUE
Allen	Bryant	allen.bryant@delhitownship.com	Delhi Township	Environmental Coordinator	TRUE
Marc	Trotter	trotterm@ccrc-roads.com	Clinton County Road Commission	Director of Engineering	TRUE
Andrew	Dunn	ADunn@ingham.org	Ingham County Road Department	Director of Operations	TRUE
Matthew	Hannahs	mhannahs@eatoncountyroa.com	Eaton County Road Commission	Engineer-Manager	FALSE
Emily	Short	emily.short@spicergroup.com	Spicer Group, Inc.	Project Manager	TRUE
Dave	Gutchess	dgutchess@cityofgrandledge.com	City of Grand Ledge	Public Services Superintendent	TRUE
Ron	O'Neil	Roneil@craa.com	Capital Region International Airport	Director of Facilities Infrastructure & Environmental Management	FALSE
Rich	Miller	rmiller@dewittmi.gov	City of DeWitt	DPS Supervisor	FALSE
Jeff	Rewerts	JeffR@mason.mi.us	City of Mason	Wastewater Superintendent	TRUE
Ron	LaCasse	rlacass@cityofeastlansing.com	City of East Lansing	Deputy Director Dept. of Public Works & Environmental Services	FALSE
Kyle	Scripter	kscripter@waverlyk12.net	Waverly Community Schools	Supervisor of Maintenance and Operations	FALSE
Brian	Fisher	BFisher@ingham.org	Potter Park Zoo	Maintenance Manager Deputy Director	TRUE
Marc	Jones	Marc.Jones@lansingmi.gov	City of Lansing	Project Engineer	FALSE

Doug Klimbal
 Water Resources Geoscientist
Bolton & Menk, Inc.
 111 S Washington Ave Unit 650
 Minneapolis, MN 55401
 Office: 612-416-0220 ext. 3976
 Mobile: 612-772-2429
Bolton-Menk.com