

**Collaborative Public Education Plan
Biennial Report for:**

**Clinton River Watershed, Anchor Bay Watershed
and Lake St. Clair Direct Drainage**

Reporting Period:

FY 2024: April 1, 2024 – March 31, 2025

FY 2025: April 1, 2025 – March 31, 2026

Submitted: March 26th, 2026

**Submitted by the Clinton River Watershed Council on behalf of Macomb County,
Oakland County and the MS4 permit holders that participate in the
Clinton River Watershed Council's Stormwater Education Program**



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I. INTRODUCTION

This information is part of the watershed-wide Public Education Plan (PEP) developed to inform the public within the Clinton River watershed, Anchor Bay watershed and Lake St. Clair Direct Drainage about their role in protecting water quality and preventing stormwater pollution. The PEP is a requirement of the National Pollutant Discharge Elimination System (NPDES) permit administered by the Michigan Department of Environment, Great Lakes, and Energy. The permit regulates stormwater discharges from municipal separate storm sewer systems (MS4), in compliance with the provisions of the Federal Water Pollution Control Act (Clean Water Act), as amended (33 U.S.C. 1251 et seq), and Michigan Act 451, Public Acts of 1994, as amended, Parts 31 and 41. The goal of the MS4 program is to reduce the discharge of pollutants to surface waters of the State. This plan was created by the municipalities and other partners in the Clinton River watershed with the input of stakeholders, regulatory agencies, and professionals in the environmental education field. This plan outlines the public education goals and messages that must be communicated under the requirements of the NPDES Phase I and Phase II regulations.

II. PARTNERS

This Biennial Report details the educational activities and programs carried out for FY 2024 and FY 2025 in fulfillment of the watershed wide collaborative PEP and is submitted by the Clinton River Watershed Council (CRWC) on behalf of Macomb County, Oakland County and the MS4 permit holders that participate in the Stormwater Education Program facilitated by CRWC. MS4 permittees generally include the following municipal entities: cities, townships, villages, county agencies, universities, and school districts. Activities facilitated by the CRWC, Macomb and Oakland Counties, and the MSU Extension Office are reported on behalf of the following permit holders and their nested MS4's:

| | | |
|----------------------------------|----------------------------------|-------------------------------------|
| Avondale School District | City of Harper Woods | City of Warren |
| Charter Township of Chesterfield | City of Hazel Park | Independence Township |
| Charter Township of Clinton | City of Madison Heights | Macomb Intermediate School District |
| Charter Township of Harrison | City of Mount Clemens | Macomb Township |
| Charter Township Orion | City of New Baltimore | Macomb County |
| Charter Township of Oxford | City of Orchard Lake Village | Oakland County |
| Charter Township of Shelby | City of Pontiac | Oakland University |
| Charter Township of Washington | City of Rochester | Oxford Area Community Schools |
| City of Center Line | City of Rochester Hills | Rochester Community Schools |
| City of Keego Harbor | City of Roseville | Village of Lake Orion |
| City of Eastpointe | City of St. Clair Shores | Village of New Haven |
| City of Fraser | City of Sterling Heights | Village of Oxford |
| City of Grosse Pointe | City of Sylvan Lake | Village of Romeo |
| City of Grosse Pointe Farms | City of the Village of Clarkston | |
| City of Grosse Pointe Park | City of Troy | |
| City of Grosse Pointe Shores | City of Utica | |

III. WATERSHED WIDE ACTIVITIES

It is important to note that required activities vary slightly between 2024 and 2025 due to a new Public Education Plan being approved on May 6th, 2025. See Appendix A for full details on each approved plan of activities. Differences will be noted if applicable to activity deliverables.

Michigan Green Schools Program

Oakland County

FY 2024: For the 2023-2024 school year, 92 Oakland County schools earned the Michigan Green School designation.

FY 2025: For the 2024-2025 school year, 94 schools were designated Michigan Green Schools.

Information on the program for Oakland County is available on Oakland Schools' Web site at:
<https://www.oakland.k12.mi.us/student-programs/environmental#:~:text=The%20Michigan%20Green%20Schools%20Program%20encourages%20public%20and%20private%20schools,designated%20a%20Michigan%20Green%20School>

Macomb County

FY 2024: 81 Macomb County schools earned Official Michigan Green School status for the 2023-2024 academic year.

FY 2025: 76 schools were able to take part during the 2024-2025 school year.

Information on the program for Macomb County is available via Macomb County's site at:
<https://bocmacomb.org/programs/macomb-county-green-schools/>

River Day

FY 2024: 19 recreation and stewardship events within the watershed were promoted and publicized with approximately 1,181 attendees watershed-wide.

FY 2025: 15 recreation and stewardship events within the watershed were promoted and publicized with approximately 1,061 attendees watershed-wide.

See Appendix E for a complete list of River Day activities and event locations for FY 2024 & 2025.

Clinton Cleanup

FY 2024: 15 volunteer trash cleanups were completed with 288 volunteers and approximately 1,393 pounds of trash were collected.

FY 2025: 16 volunteer trash cleanups were completed with 272 volunteers and approximately 1,267 pounds of trash were collected.

See Appendix E for a complete list of Clinton Clean Up activities and event locations for FY 2024 & 2025.

Keeping It Clean – Weekly Clean

FY 2024: 33 weekly cleanups were completed with 445 volunteers at parks, green spaces, and other public areas in the watershed. An estimated 4,045.5 pounds of trash were collected. Of the 34 scheduled cleanups, 1 was cancelled due to inclement weather.

FY 2025: 30 weekly cleanups were completed with 392 volunteers at parks, green spaces, and other public areas in the watershed. An estimated 4,585.2 pounds of trash were collected. Of the 31 scheduled cleanups, 1 was cancelled due to inclement weather.

See Appendix G for a complete list of cleanup dates and locations for FY 2024 & 2025

Water Festivals

Clinton River Water Festival at Oakland University

FY 2024: The 18th annual festival was held on May 17th, 2024 at Oakland University in Rochester Hills. The festival was attended by 851 students, 172 teachers/chaperones, and 64 volunteers.

FY2025: The 19th annual festival was held on May 16th, 2025 at Oakland University. The festival was attended by 927 students, 163 teachers/chaperones, and 67 volunteers.

Lake St. Clair Water Festival at Macomb Community College

FY 2024: 1,267 participants attended including 1,125 students, 44 teachers/chaperones, and 26 volunteers.

FY 2025: 1,141 participants attended including 1,025 students, 45 teachers/chaperones, and 30 volunteers.

Stormwater Management Forums

FY 2024: CRWC hosted 4 Stormwater Management Forums targeted at municipal staff, elected officials, City Council members, engineers, consultants, planners, and EGLE staff. There were a total of 101 attendees across 4 forums on 4/18/2024, 7/18/2024, 11/21/2024, and 3/20/2025.

FY 2025: CRWC hosted 4 Stormwater Management Forums targeted at municipal staff, elected officials, City Council members, engineers, consultants, planners, and EGLE staff. There were a total of 77 attendees across 4 forums on 7/17/2025, 9/18/2025, 11/20/2025, and 2/19/2026.

See Appendix F for Stormwater Management Forum dates, locations, topics, and sign-in/attendance sheets for FY 2024 & 2025

Community Presentations and Workshops

FY 2024: 30 stormwater education presentations were held virtually, or in person, with 546 attendees.

FY 2025: 25 stormwater education presentations were held virtually, or in person, with 450 attendees.

See Appendix H for a complete list of dates, locations, topics, as well as promotional materials, and sign-in sheets for stormwater presentations for FY 2024 & 2025

Adopt-A-Stream (AAS) Training Workshops

FY 2024: 8 AAS volunteer trainings, 1 Stonefly Search volunteer training, and 2 bug ID workshops were held with 37 total attendees.

FY 2025: 8 AAS volunteer trainings, 1 Stonefly Search volunteer training, and 2 bug ID workshops were held with 63 total attendees.

See Appendix H for a complete list of dates, locations, and attendance for AAS trainings for FY 2024 & 2025

Adopt-A-Stream Water Quality Monitoring Program

FY 2024: 48 locations were monitored by approximately 307 volunteers. Water quality monitoring data collected through the program is available on CRWC's Adopt-A-Stream webpage: <https://www.crowc.org/adopt-a-stream>

FY 2025: 45 sites were monitored by approximately 350 volunteers.

Subwatershed Website

Website link: <https://www.crowc.org/clinton-river-watershed>

FY 2024: During this period, the page received 3,308 unique views. Users averaged 2 minutes and 23 seconds on page.

FY 2025: In 2025, the page received 3,264 unique views. Users averaged 2 minutes and 5 seconds on page.

Stream Leaders Student River Monitoring Program

Students and mentors collect macroinvertebrates, test water chemistry, and observe stream morphology at their stream site to determine water quality. A table of monitoring dates, times, and locations is available from the CRWC upon request.

FY 2024: Engaged 1,639 students across 15 schools and 15 locations.

FY 2025: Engaged 2,444 students across 18 schools and 18 locations. 3 new schools were added to the program this year.

RiverSafe LakeSafe

The RiverSafe LakeSafe (RSLs) program is a public education campaign that aims to educate and recognize watershed residents who incorporate best management practices at home to keep our freshwater resources clean and healthy. An annual program report and map of certifications is available from the CRWC upon request.

FY 2024: 5 new certifications.

FY 2025: 15 new certifications.

WaterTowns

FY 2024: 12th year of the WaterTowns™ (WT) initiative. The newly added City of Oak Park's visioning process was completed in December of 2024. The City of Eastpointe utilized CRWC funding to implement a bioswale on 9 Mile Road in fall of 2024. Shelby Township utilized CRWC funds for a new universally accessible kayak launch along the river. The City of Warren utilized CRWC funds for nature-based solutions in the new Eckstein Park. The Village of Almont was in communications to join the program, but ultimately did not pass any resolution.

FY 2025: 13th year of the WaterTowns® (WT) initiative, with the City of Birmingham joining the program. The City of Eastpointe received funding to implement another WaterTowns project on 9 Mile, and will begin implementation in 2026. During this time, the Cities of Ferndale and Pleasant Ridge are awaiting funding decisions to implement to each implement WaterTowns projects in 2026. At this time, plans for the City of Mt. Clemens are hopeful for implementation in the near future, as well.

Stormwater Education for Industrial and Commercial Facilities

FY 2024: Development and distribution of Best Management Practices flyers targeting Dry Cleaners and Yard Waste disposal facilities. BMP flyers were distributed digitally via the Stormwater Monday email and as hard copies with the stormwater display. CRWC Maintains membership with the Sterling Heights Chamber of Commerce. Events attended 7/31/2024 and 8/7/2024.

FY 2025: Development and distribution of Best Management Practices flyers targeting Dry Cleaners, Pool and Splash Pads, Marinas. BMP flyers were distributed digitally via Stormwater Monday email and as hard copies mailed directly to dry cleaners and registered pools and splash pads in the region. This address list is available by request. CRWC Maintains membership with the Sterling Heights Chamber of Commerce. Events attended 6/6/2025 and 7/25/2025 related to Macomb County's Blue Economy initiative.

See Appendix D for copies of the BMP fact sheets.

Social Media Outreach

FY 2024: Tracking data available for Facebook: 6,472 engagements (likes, reactions, comments, and shares) across 232 posts.

Tracking available for Instagram: 1,944 engagements across 174 posts.

Tracking available for Twitter: 19 engagements across 11 posts.

FY 2025: Tracking data available for Facebook: 12,022 engagements across 369 posts.

Tracking available for Instagram: 3,042 engagements across 316 posts.

Tracking available for Twitter: 0 engagements across 0 posts.

12 social media templates are for use by communities on the CRWC website, including topics such as spring yard care before and after May, summer yard care, fall yard care, pool care, hazardous waste disposal tips, green stormwater infrastructure info, boat care, laundry tips for water quality, vape battery disposal, dog waste reminders, and septic tank maintenance.

See Appendix D for social media content templates.

Residential Green Stormwater Infrastructure (GSI) Education

This programming refers to plant and rain barrel sales hosted by CRWC, participation in the regional Master Rain Gardener program as an instructor, and the maintenance of resources on the CRWC website regarding native plants and related GSI topics throughout the year.

FY 2025: The native plant and rain barrel sale took place on May 17th, 2025 at Thelma Spencer Park in Rochester Hills, with hundreds of participants. During the 2025 Master Rain Gardener

course, 9 residents from the Clinton River Watershed participated. The native plants page on the CRWC website received 4,041 hits throughout the 12-month period.

Storm Drain Awareness Program

FY 2025: Program planning took place during this time, with the first stenciling event slated to be held on April 18th, 2026 in Madison Heights. The continued launch of the storm drain stenciling program, followed by storm drain mural painting and then Adopt-A-Drain recruitment, are all expected to take place throughout the summer of 2026.

PEP Partner Meetings

FY 2025: Meetings took place virtually with partners as needed beginning in 2025 to coordinate program promotion and to verify assistance needed with facilitation. Group meetings did not take place as planned for convenience of all partners, but regular check ins with partners did take place at least 4 times each.

IV. MACOMB COUNTY SPECIFIC ACTIVITIES

Public Works Presentations

FY 2024: 34 presentations were conducted in FY2024.

FY 2025: 39 presentations were conducted in FY2025.

MSU Extension Understanding Groundwater

FY 2024: 106 students reached through Great Lakes Day at the Discovery Center.

FY 2025: Pivoted in 2025 to Aquatic Invasive Species RIPPLE Booths at 3 community events reaching 703 individuals.

MSU Extension Water Conservation Program

FY 2024: 148 participants at Erie Elementary.

FY 2025: 96 participants at Lobbestael Elementary and Bunche Preparatory School.

MSU Extension Master Gardener Program

FY 2024: 153 volunteers completed 8,617 volunteer hours.

FY 2025: 160 volunteers completed 8,473 volunteer hours.

MSU Extension Master Composter Program

FY 2024: 75 participants statewide.

FY 2025: 250 participants statewide, 12 from Macomb County.

MSU Extension Sea Grant Summer Discovery Cruises

FY 2024: 441 participants over 22 dates.

FY 2025: 434 participants over 17 dates.

MSU Extension 4-H Environmental and Outdoor Education

FY 2024: 2,979 youth and 147 volunteers engaged in Macomb County.

FY 2025: 4,163 youth and 168 volunteers engaged in Macomb County.

MSU Extension Public Education Classes

FY 2024: 31 programs completed with 1,460 participants in Macomb County.

FY 2025: 55 programs completed with 1,700 participants in Macomb County.

Facility Tours

Organizations engaged include CRWC, CISMA, Mt. Clemens WWTP, Warren WWTP, the Wayne State University EH class, Macomb County interns, and the Oakland University Ecology Club.

FY 2024: 35 participants engaged in 2024.

FY 2025: 26 participants engaged in 2025.

Household Hazardous Waste Collection

FY 2024: 12 events were held, collecting 103,252 pounds of hazardous waste collected.

FY 2025: 12 events were held, collecting 129,312 pounds of hazardous waste collected.

Medication Disposal

FY 2024: 1,494 pounds of unused medication were collected.

FY 2025: 1,375 pounds of unused medication were collected.

The Blue Economy Initiative

FY 2024: 1 event held; Sprint & Splash Event took place at the Lake St. Clair Metropark on July 12th, 2024.

FY 2025: 1 event held; the Cheers to Chesterfield Bass Master competition took place at Brandenburg Park from August 7th-10th.

Lake St. Clair Initiative Circle the Lake Tour

FY 2024/2025: URL and maps are provided at events throughout the year:

<https://tourlakestclair.org/>

Clinton River Blue Way Water Trail

FY 2024: Distributed 200 maps in county building and at events throughout the year.

FY 2025: Distributed 200 maps in county building and at events throughout the year.

Phragmites Invasive Removal

FY 2024: Macomb County staff attended 6 CISMA meetings in 2024.

FY 2025: Macomb County staff attended 5 CISMA meetings in 2025.

Spill Awareness

FY 2024: Attended 4 LEPC emergency response meetings.

FY 2025: Attended 4 LEPC emergency response meetings. Macomb County is also working to develop a Spill Response plan with US Army Corps of Engineers.

Bulletin Boards and Displays

Clean water materials are printed and handed out for displays around the county, such as city halls, libraries, and other public spaces.

FY 2024: Over 1,300 water quality cards, winter reports, and stormwater packets were distributed.

FY 2025: Over 1,700 flyers, reports, and materials were distributed.

Macomb County Social Media Sites

FY 2024/2025: Macomb County's website can be found at www.macombgov.org and is updated regularly with news updates, educational resources, contact information, and more. The Drain commissioner's Facebook page has over 14,000 followers. The Department of Public Works shares an average of 2 posts per week related to water quality and activities around the watershed.

Publications

FY 2024: 246 letters were sent twice a year to community leaders. 250 letters were also sent to Sterling Relief neighbors advising of GSI improvements.

FY 2025: 246 letters were sent twice a year to community leaders. 250 letters were also sent to Sterling Relief neighbors advising of GSI improvements.

Riparian Information

FY 2024: 150 letters were sent to residents adjacent to drains about invasive species.

FY 2025: 290 letters were sent to residents adjacent to drains about invasive species.

Board of Commissioners Earth Day Contest

FY 2024: Over 20 participants submitted entries for the 2024 contest.

FY 2025: 32 participants submitted entries for the 2025 contest.

Green Macomb

FY 2024: Hosted 14 tree plantings and planted 570 trees, as well as saplings provided to student attending the Lake St. Clair Water Festival.

FY 2025: Hosted over 10 plantings and planted over 200 trees, as well as saplings provided to student attending the Lake St. Clair Water Festival.

HEART Freshwater Center

FY 2024: Samples are delivered to the center twice per week May-August. An estimated 26 lab visits occurred in 2024.

FY 2025: Samples are delivered to the center twice per week May-August. An estimated 26 lab visits occurred in 2025.

V. OAKLAND COUNTY SPECIFIC ACTIVITIES

Regional Stormwater Summit

FY 2024: The 11th Annual Stormwater Summit was held at Lawrence Technological University in Southfield on October 4, 2024 with nearly 200 attendees. Agenda and registrant list is available upon request.

FY 2025: The 12th Annual Regional Stormwater Summit hosted a record-breaking audience of 300 on October 10, 2025. Participants represented a diverse group of stakeholders, ranging from private-sector staff to students, nonprofit workers and government officials – all of whom said they were very impressed by this year’s agenda. Also breaking records were the 20 exhibitors with tables at the event and the five speakers from Oakland County.

Bulletin Boards

FY 2024: The WRC had a variety of information related to storm drain awareness on display in its main lobby. Information on the “Seven Simple Steps to Clean Water”, and copies of the “Waterfront Wisdom” Booklet, “Kids Clean Water Calendar” and “Oakland County 24-Hour Pollution Hotline” brochure are available year-round. The Alliance of Rouge Communities developed a variety of seasonal posters on protecting water quality with tips to consider for spring, summer, winter and fall. That poster was framed and hung in the WRC lobby beginning in FY 2017 and is rotated out seasonally.

FY 2025: The WRC lobby is undergoing an update. A new temporary display features content on stormwater pollution prevention awareness, benefits of native plants, proper disposal of fats, oils and grease, proper septic system maintenance and invasive species management. The WRC will continue to have handouts available on various environmental-related resources.

Dirt Doctors Program

FY 2024: Approximately 3,689 students, adults and teachers in 749+ different presentations at 17 different events throughout Macomb, Oakland, Washtenaw and Wayne Counties were reached in 2024. The Dirt Doctors attended events in Ann Arbor, Bloomfield Hills, Detroit, Macomb, Pontiac, Rochester Hills, Royal Oak, Southfield, West Bloomfield and Ypsilanti.

FY 2025: Approximately 2,600 students, adults and teachers in 675+ different presentations at 18 different events were reached in 2025. The Dirt Doctors attended events in Ann Arbor, Bloomfield Hills, Davisburg, Detroit, Macomb, Monroe, Pontiac, Rochester Hills, Royal Oak, Trenton, Village of Milford, Walled Lake, Waterford, West Bloomfield Twp and Ypsilanti.

A pre-recorded Dirt Doctors program was put together in September 2020. The pre-recorded program is available online at: <https://www.youtube.com/watch?list=PLxN0wQGF96CL-c9anor-74HawzUbgXk61&v=aOOQjrSD8vg&feature=youtu.be>. As of March 2025, the video has been viewed 296 times.

Drain Detectives Program

FY 2024: There were two (2) presentations of the Drain Detectives in 2024 for University of Ferndale high school students reaching approximately 38 12th grade science students and 2 teachers.

FY 2025: The program reached approx. 275 students (3rd, 4th and 5th grades) in 12 presentations during two (2) events in Detroit and West Bloomfield.

Enviroscape Watershed Model Program

FY 2024: Approximately 940 students and 322 adults in more than 100 presentations at five (5) different events were reached in FY 2024.

WRC staff presented the Enviroscape watershed model at events in Bloomfield Hills, Ferndale, Macomb, Rochester Hills, and Wayne County Parks.

FY 2025: The program reached approx. 700 students, teachers and parents in more than 112 presentations at four (4) different events in Bloomfield Hills, Rochester Hills and West Bloomfield.

In order to reach people virtually, a 32 minute pre-recorded Enviroscape Watershed Model demonstration was created in September 2020 and is available online at:

<https://www.youtube.com/watch?list=PLxNOwQGF96CL-c9anor-74HawzUbgXk61&v=ipllqsx1Zvc&feature=youtu.be>. As of March 2025, the video has been viewed 489 times.

E-newsletter Articles

FY 2024: The following newsletters and media releases were shared with the following recipients:

- 5/31/2024: News from Jim Nash - A summary of the success of the RainSmart Rebates program was shared with 2,940 recipients
- 6/13/2024: Press Release announcing Jim Nash received the Lifetime Contribution Award from the Detroit Metropolitan Chapter of the American Society for Public Administration was shared with 1,706 recipients
- 6/25/2024: Press Release announcing that the RainSmart Rebates program earned the National Achievement Award was shared with 2,929 recipients
- 9/18/2024: News from Jim Nash - Press Release refuting claims from Macomb County regarding water quality and infrastructure issues from Oakland County systems was shared with 1,706 recipients
- 9/30/2024: Information on WRC's Hardship Assistance Program was shared with 3,309 recipients
- 10/28/2024: WRC's Hardship Assistance Newsletter was shared with 3,322 recipients
- 12/9/2024: News from Jim Nash - Press Release highlighting the importance of Water and Wastewater Professionals Workforce Week was shared with 8,587 recipients

FY 2025: The following newsletters and media releases were shared with the following recipients:

- 1/13/2025: Press Release announcing the successes of the RainSmart Rebates Program first year of implementation was shared with 1,764 recipients
- 2/18/2025: News from Jim Nash - Oakland County Enhances the City of Pontiac's Water and Sewer Infrastructure was shared with 2,894 recipients

- 5/12/2025: News from Jim Nash - Notice of invitation to community leaders to tour and ask questions about the operations at the George W. Kuhn Retention Treatment Basin in Madison Heights was shared with 2,977 recipients
- 7/1/2025: Save the Date for the 2025 Stormwater Summit was shared with 4,213 recipients
- 8/26/2025: Notice that registration was open for the 2025 Stormwater Summit was shared with 3,449 recipients
- 9/5/2025: News from Jim Nash - Green Infrastructure Brings Pontiac Neighborhood Together shared details about the recently completed Augusta Drain GSI project with 1,013 recipients

Household Hazardous Waste Information

FY 2024: The Oakland County Planning & Local Business Development Dept. sponsored four (4) household hazardous waste disposal days: April 27, June 1, July 20 and September 14, 2024. The April 27 event was held at the Oakland County Service Center in Pontiac, the June 1 event at Oxford Middle School in Oxford, the July 20 event at Kensington Church in Orion Township, and the September 14 collection event at the Oakland County Service Center in Pontiac. A total of 513,065 pounds of household hazardous waste was collected from 3,733 participants during the four collection events. Of that total, 86,360 pounds of electronics were collected and recycled during the April and September 2024 NoHaz events.

FY 2025: The Oakland County Planning & Local Business Development Division sponsored four (4) household hazardous waste disposal days: April 12, June 7, July 19 and September 13, 2025. The April 12 event was held at Pine Knob Music Theatre in Clarkston, the June 7 event at Oxford Middle School in Oxford, the July 19 event at Kensington Church in Orion Township. and the September 13 collection event at the Oakland County Service Center in Pontiac. A total of 567,914 pounds of household hazardous waste was collected from 4,045 participants during the four collection events. Of that total, 179,410 pounds of electronics were collected and recycled during the 2025 NoHaz events.

Since the program began in 2003, residents of more than 76,000 households have disposed of more than 10.2 million pounds of hazardous materials which have been recycled or disposed of properly.

Information on household hazardous waste disposal in Oakland County is available online at: www.nohaz.com. There were 32,051 website hits in 2024 and 34,436 website hits in 2025 to the County's Household Hazardous Waste Recycling Information.

Kid's Clean Water Calendar Contest

FY 2024: A total of 570 4th and 5th graders across Oakland County participated in the 2024 Kids' Clean Water Calendar Contest. A total of 5,500 calendars were distributed across Oakland County. Drawings were submitted from students representing 32 classes from 26 schools in 11 districts. This included 22 separate entries from individual residents. An online gallery of the 2024 contest winners is available at: <https://www.oakgov.com/government/water-resources-commissioner/about/education/kids-clean-water-calendar-contest/2024-contest-gallery>

2024 Press on the 2024 and 2025 Calendars:

- <https://oaklandcounty115.com/2023/12/20/clean-water-calendar-contest-winners-announced-plus-how-to-get-yours/>
- https://www.theoaklandpress.com/2023/12/28/troy-student-continues-streak-of-winning-entries-for-county-calendar/?utm_email=C49EF481C5F35428443A545035&utm_source=listrak&utm_medium=email&utm_term=https%3a%2f%2fwww.theoaklandpress.com%2f2023%2f12%2f28%2ftroy-student-continues-streak-of-winning-entries-for-county-calendar%2f&utm_campaign=michigan-oakland-press-morning-update&utm_content=automated
- WRC promoted the 2025 Kids Clean Water Calendar Contest on its Facebook page weekly during the month of September. An example ad posted on 9/6/2024 can be viewed at: <https://www.facebook.com/share/p/9b7zPZjVsB9cbsax/>
- An article promoting the 2025 contest was published in the LegalNews.com online publication on September 25, 2024 at: <https://legalnews.com/Home/Articles?DataId=1548015>

There were a total of 2,928 hits to the Calendar Contest website.

FY 2025: A total of 734 4th and 5th graders across Oakland County participated in the 2025 Kids' Clean Water Calendar Contest. A total of 5,500 calendars were distributed across Oakland County. Drawings were submitted from students representing 32 classes from 22 schools in 14 districts. This included 22 separate entries from individual residents. An online gallery of the 2025 contest winners is available at: <https://www.oakgov.com/government/water-resources-commissioner/about-us/education/kids-clean-water-calendar-contest/2025-contest-gallery>

2025 Calendar Press:

- 9/25/2024: The LegalNews.com online publication published an article highlighting how to enter the 2025 Kids Clean Water Calendar and is available online at: <https://legalnews.com/Home/Articles?DataId=1548015>
- 12/15/2024: The artwork of the 12 monthly winners of the 2025 Kids Clean Water Calendar Contest were featured on WRC's Facebook page: <https://www.facebook.com/share/r/1DyFUs7huv/>
- 12/15/2025: Highlights from the 2025 Kids Clean Water Calendar Contest award ceremony and luncheon at the Cranbrook Institute of Science on Dec. 14, 2024 was shared on WRC's Facebook page: <https://www.facebook.com/share/p/1J2JU1rY7i/>
- 1/24/2025: An AI-generated online article via the Citizen Portal was published featuring details about the 2025 Kids Clean Water Calendar Contest grand prize winner, Vipra Parilesh Jain, being honored at the January 2025 Board of Commissioner's meeting and is available online at: <https://citizenportal.ai/articles/2176682/Oakland-County/Michigan/Rochester-Hills-student-Vipra-Jain-wins-Kids-Clean-Water-Calendar-cover-art-contest>

- 1/27/2025: The Rochester Community Schools Facebook page recognized the grand prize winner's recognition event at the January Board of Commissioner's meeting at: <https://www.facebook.com/share/p/1HU7zZZ25B/>
- 1/28/2025: The grand prize winner of the 2025 contest and her recognition at the January 2025 Board of Commissioner's meeting was highlighted on WRC's Facebook page at: <https://www.facebook.com/share/p/1XTm7F79mG/>
- 1/30/2025: The C&G Newspapers published an online article featuring details about the 2025 Kids Clean Water Calendar Contest and the other great work that the WRC does to protect our natural resources. It's available online at: <https://www.candgnews.com/news/oakland-county-board-recognizes-winners-in-ecofriendly-calendar-contest-7521>

There were a total of 1,156 hits to the Calendar Contest website.

Natural Resources Education Program

FY 2024:

- 1/29/24 - The Stewardship Network Conference Presentation on aquatic invasive species - 15 attendees
- 2/25/24 - Ferndale Think Spring Event – aquatic invasive species - 25 attendees
- 3/30/24 - Spring Invasive Species Summit - aquatic invasive species - 35 attendees
- 4/29/24 - Village of Bingham Farms - aquatic invasive species - 12 attendees
- 5/15/24 – NOWO - aquatic invasive species - 28 attendees
- August – September 2024 - EFB outreach individual contacts - aquatic invasive species - 22 attendees
- 10/29/24 - Oakland Twp talk - aquatic invasive species - 23 attendees

FY 2025:

- 2/23/2025 - Ferndale Think Spring Tabling - Aquatic Invasive Species - 47 attendees
- 3/13-3/16/2025 - Novi Boat Show - Aquatic invasive species, GSI practices, aquatic native plants - 476 attendees
- 5/30-5/31/25 - Spring Native Plant Events - GSI practices - 476 attendees
- 7/10/2025- EFB mailers - Aquatic Invasive Species information - 1612 mailers sent
- 8/1/2025 - Forest and field foray - Aquatic invasive species - 30 attendees
- 9/20/2025 - Fall Native Plant Event - GSI practices - 104 attendees

Oakland County Environmental Stewardship and Water Resource Websites

FY 2024/2025: WRC, OCPLBD, OCPRC and MSU-Extension Oakland County maintain environmental stewardship and/or water resource information on their Web sites at:

- OCPLBD: <https://www.oakgov.com/community/community-development/environmental-stewardship> (a total of 1,427 website hits in FY 2024 and 2025)

- WRC: www.oakgov.com/riparian (a total of 7,061 website hits in FY 2024 and 2025)
 - WRC 24-Hour Pollution Hotline: <https://oakgov.com/government/water-resources-commissioner/stormwater/24-hour-pollution-hotline> (a total of 467 website hits in FY 2024 and 2025)
 - OCPRC: <https://oakgov.com/community/oakland-county-parks/get-involved/natural-resources-management> (a total of 1,943 website hits in FY 2024 and 2025)
 - MSU-Extension: https://www.canr.msu.edu/natural_resources/ (a total of approximately 500 website hits in FY 2024 and 2025)
- Office of Sustainability: <https://www.oakgov.com/community/sustainability> a total of 15,739 website hits in FY 2024 and 2025)

In FY 2018, Oakland County Information Technology developed a Seven Simple Steps to Clean Water Story Map and that is available at:

<https://oakgov.maps.arcgis.com/apps/Cascade/index.html?appid=1676f95c659d408e94bf73096db93387>; a link to the Story Map is on WRC's "Seven Simple Steps to Clean Water" website at: <https://oakgov.com/government/water-resources-commissioner/resources/education/seven-simple-steps-to-clean-water>. The page also promotes the 24-Hour Pollution Hotline and viewers can explore land use changes from 1940 vs. 2017 imagery within Oakland County.

There were 127 website hits in FY 2024 and 166 website hits in FY 2025 to the WRC's Seven Simple Steps to Clean Water website. The Storymap received 3,831 hits in FY 2025. To date, the Storymap has received 5,244 views. Website visits for FY 2024 were unable to be retrieved.

Facebook Advertisements:

FY 2024: With the elimination of the Oakland Lakefront Lifestyles magazine and the associated Seven Simple Steps to Clean Water ad campaign, the WRC transitioned to utilizing Facebook for public engagement related to several topics related to the Seven Simple Steps to Clean Water campaign. The following topics were covered in the FY 2024 outreach campaign: Clean Up After Your Pet, Only Rain in the Drain (Storm Drain Awareness), and Earth-Friendly Landscaping (Plant Native Plants). The campaign generated:

- 396 "link clicks" (the amount of people that clicked on the "Learn More" button and went to the Seven Simple Steps to Clean Water Storymap)
- 52,035 people "reached" (the number of people that saw the ad)
- 80,379 impressions were made (the number of times the ad appeared on someone's page).
- 42 total post reactions
- 11 total post shares
- 4 post comments

FY2025: The campaign was expanded to include the three topics covered in 2024 as well as the topics of Car Care, Household Hazardous Waste Disposal, Septic System Maintenance and Fats, Oils and Grease (FOG) disposal. The campaign was extremely successful and very engaging, including:

- 7,231 "link clicks" (the amount of people that clicked on the "Learn More" button and went to the Seven Simple Steps to Clean Water Storymap)
- 185,744 people "reached" (the number of people that saw the ad)
- 387,316 impressions were made (the number of times the ad appeared on someone's page).
- 1,125 total post reactions
- 167 total post shares
- 115 post comments

Publicize Environmental Related Events:

FY 2024: In 2024, WRC published 588 posts on Facebook related to natural resource engagement and education. WRC currently has 1,360 followers and made a total of 155,431 impressions.

FY2025: In 2025, Oakland County hosted and publicized 62 events related to natural resources engagement and education. WRC published 278 posts on Facebook related to natural resource engagement and education. WRC currently has 1,573 followers and made a total of 179,696 impressions.

Recreational Vehicle Waste Dumpsites

FY 2024/FY 2025: The WRMD website has a link to RV dumpsites in MI and is available at: <https://www.oakgov.com/community/community-development/waste-recycling/waste-recycling-resources> (under the "Statewide" dropdown, then click on "Recreational Vehicle Dump Stations in Michigan").

A searchable list of RV dump sites in Michigan is also available online at:

<https://www.sanidumps.com/>

There were 40,563 website hits in 2024 and 41,741 website hits in 2025 to the County's Waste and Recycling Resources website.

Riparian Information Distribution

An excel spreadsheet that details the distribution list is available upon request.

FY 2024: As of the end of FY 2024, more than 17,500 Waterfront Wisdom booklets have been distributed. An excel spreadsheet that details the distribution list is available upon request

There were 4,421 website hits during 2024 to WRC's website on riparian education.

FY 2025: To date, more than 17,800 Waterfront Wisdom booklets have been distributed. The Waterfront Wisdom booklet was updated in FY2026. The digital version can be found online at: <https://heyzine.com/flip-book/f50ec5c94f.html> and 500 copies were printed in hard copy for distribution. There were 2,640 website hits in 2025 to WRC's website on riparian education.

Solid Waste Plan

In late 2022, the Michigan legislature passed a package of bills to update Michigan's solid waste management laws. The old Solid Waste Management Plans will become Materials Management Plans with an emphasis on using materials to the fullest and best use before discarding them.

The Director of the MI Department of Environment, Great Lakes & Energy (EGLE) officially called for these Plans to be initiated on January 8, 2024. This process is expected to take 3-4

years. In 2024, Oakland County established the Materials Management Planning Committee (MMPC) and, in 2025, hired a consultant to assist in developing the new MMP. Meetings, public and stakeholder engagement, discussions on goals and strategies are underway. The draft plan is expected to be completed in late 2026.

Information on the Materials Management Planning process is available at [Oakgov.info/MMP](https://oakgov.info/MMP).

FY 2024: 343 hits to the County's Solid Waste Plan website.

FY 2025: 287 hits to the County's Solid Waste Plan website. Additionally, In 2025, Oakland County Planning received a grant from EGLE for preparation of the Materials Management Plan. This plan is required by the State to help divert materials from landfills, increase access to recycling, improve recycling rates, and improve data collection methods.

The county's current Solid Waste Plan is available at:

<https://www.oakgov.com/community/community-development/waste-recycling/solid-waste-plan>.

Inland Lake Natural Shoreline Education Program

FY 2024/2025: Several educational programs were held on understanding lake ecology and the importance of natural shorelines on inland lakes. Programs were held for lake residents, natural resource professionals, lake managers, elected and appointed government officials, and educators.

The Introduction to Lakes Online course ran two times, once between January-March 2024 with 50 out of 285 participants from Oakland County and January-March 2025 with 26 of 318 participants from Oakland County. Topics included lake ecology, watersheds, shorelines, water law, aquatic plants, and citizen involvement. There were also three live chat sessions during each course.

Lake ecosystem content was also included in the Michigan Conservation Stewards Programs held in Fall 2025 in which 30 individuals were enrolled in the Oakland cohort.

MSU, in partnership with the Michigan Natural Shoreline Partnership, offered the Michigan Certified Natural Shoreline Professional Training and Certification Program. This training is designed specifically for professional landscape, natural resource, and marine contractors to design, implement and maintain natural shoreline landscapes on inland lakes. A Michigan Natural Shoreline Partnership training (2 days of in-class training and one summer field installation day) for contractors was held at March 12-13, 2024 to train 23 shoreline contractors how to design and install natural shorelines on inland lakes, with the field day on June 12, 2024. Another training was held on March 19-20, 2025 at Lake St. Clair Metropark in which 51 contractors were trained, with the field demonstration taking place on June 10, 2025 at Stony Creek Metropark in Shelby Township.

In 2023, the Lakeville Property Owners Association received funding to support installing a CD3 roadside boat cleaning station at the Lakeville Lake DNR Boat launch, hosting educational events, and sharing information and resources with property owners. The CBCW Boat Wash unit

made visits to the following visits to Oakland County Lakes: Walled Lake and Maceday Lake in 2024 and in 2025.

MSU-Extension hosts a website dedicated to learning all about Michigan inland lakes at: <https://www.canr.msu.edu/michiganlakes/online-learning>

Operation Medicine Cabinet

There are currently 37 drop-off sites throughout Oakland County where unused pharmaceuticals can be properly disposed of, including the following:

Oakland County Sheriff's offices (13) in Addison Twp, Brandon Twp, Commerce Twp, Highland Twp, Independence Twp, Lyon Twp, Oakland Twp, Orion Twp, Oxford Twp, Pontiac, Rochester Hills and Springfield Twp; additionally, partner law enforcement agencies Auburn Hills PD, Beverly Hills Village Dept. of Public Safety, Birmingham PD, Bloomfield Hills Dept. of Public Safety, Bloomfield Twp. PD, Clawson PD, Farmington Hills PD, Ferndale PD, Franklin PD, Hazel Park PD, Holly PD, Huntington Woods Dept. of Public Safety, Keego Harbor PD, Madison Heights PD, Oak Park PD, Orchard Lake PD, Oxford Village PD, Rochester PD, Royal Oak PD, South Lyon PD, Troy PD, West Bloomfield PD, White Lake PD and Wixom, who all serve as OMC drop-off sites.

New in FY 2017, a GIS-based online application is available for the public to see drop-off sites throughout the county and is available at:

<https://oakgov.maps.arcgis.com/apps/webappviewer/index.html?id=db4052d9ca5c4e1798a7dfd2a54e3c25>.

FY 2024/2025: In 2024, 5,902.8 pounds of unused prescription drugs were collected and turned over to the DEA for proper disposal. There were 389 website hits in 2024 to the Operation Medicine Cabinet website at: <https://www.oakgov.com/government/sheriff/community-services/domestic-safety/-fsiteid-1#!/>.

WRC promoted the use of drug takeback programs in Oakland County on its Facebook page in September 2024 at: <https://www.facebook.com/share/p/VZ54iHMQrg2JEgaW/>

FY 2025: In 2025, 2,928 pounds of unused prescription drugs were collected and turned over to the DEA for proper disposal. There were 40 hits in 2025 to the Operation Medicine Cabinet website, listed above.

Green Stormwater Infrastructure (GSI) Education

FY 2024: The WRC hosts a website on GSI: <https://oakgov.com/government/water-resources-commissioner/stormwater/green-infrastructure> There were 297 website hits in 2024 to the GSI website.

In 2024, the 4th annual Master Rain Gardener Certification Program was held virtually from Jan. 25 - Feb. 22, 2024. The course is taught virtually, with in person rain garden tours, with many project partners including: Washtenaw County Water Resources, Huron River Watershed Council, Friends of the Rouge, River Raisin Watershed Council, Clinton River Watershed Council, Oakland County Water Resources, Friends of the Detroit River, and the Huron-Clinton

Metroparks. There were a total of 100 participants in the 2024 virtual class. More information about the program can be found online at: www.MasterRainGardener.org.

A mapping application developed by Washtenaw County is available to view projects submitted by those that have installed rain barrels, rain garden, native plant gardens and more at: <https://gisappsecure.ewashtenaw.org/public/rainscaping/?page=Home>

Oakland County hosts a website with a host of education resources on native plants and their benefits at: <https://www.oakgov.com/community/oakland-county-parks/get-involved/native-plant-information>. In 2024, there were 8,896 website hits.

FY 2025: In 2025, Oakland County's GSI website received 247 hits. The native plant focused website received 9,396 hits.

In 2025, the 5th annual Master Rain Gardener Certification Program was held virtually from Jan. 30 - Feb. 27, 2025. There were a total of 92 participants in the 2025 virtual class representing the following watersheds and other areas in MI and outside of MI: Raisin River Watershed: 3, or 3.3%; Rouge River Watershed: 30, or 32.6%; Clinton River Watershed: 10, or 10.9%; Huron River Watershed: 35, or 38%; Detroit River Watershed: 5, or 5.4%; Outside of Southeast MI: 9, or 9.8% (included one person from PA and one from NC).

As of the end of 2025, a total of 546,200 gallons of stormwater are managed annually in Oakland County via 135 green infrastructure practices (native habitat gardens, rain gardens, trees and rain barrels) that have been installed and mapped through the Washtenaw County application referenced above in Oakland County.

In 2025, Parks staff hosted a Green Stormwater Infrastructure Training with guest speaker Dr. Don Carpenter from Drummond Carpenter. There were approx. 60 attendees present. Dr. Carpenter shared the benefits of GI, provided an overview of GI BMPs and concluded with a field trip to show interested attendees how to conduct a soil infiltration test. A variety of useful resources were shared with attendees, including info sheets on the benefits of GI and questions to ask when considering new GI projects.

Invasive Species Management and Education and Outreach: Oakland County Parks & Recreation maintains a sizable invasive species management program within the Natural Resources Department, responsible for strategic management of invasive species throughout the park system's 6,800 acres.

OCPR holds blanket contracts with aquatic spray and biocontrol contractors for the purposes of combating identified locations of aquatic invasive species inhibiting recreational use or ecological health of OCPR's inland lakes. Blanket contracts for upland invasive species control are also held.

As part of OCPRC's invasive species management program, OCPRC requires contractors involved in natural resource vegetation management to perform equipment-cleaning good housekeeping practices to limit the introduction and spread of upland and aquatic invasives in park natural areas.

The Oakland County CISMA is a partnership of county and local governments, non-profit organizations and universities with a focus on managing the spread of numerous invasive species. Information on the Oakland County Cooperative Invasive Species Management Area (CISMA) is available online at: <https://www.michiganinvasives.org/occisma/>, <https://oaklandinvasivespecies.org/>, and at <https://www.sixriversrlc.org/oakland-county-cisma>.

The Oakland County Facilities Management department continuously mows European Buckthorn seedlings and Phragmites throughout the year.

FY 2024: Approximately 1,562 acres of invasive species were treated by OCPRC.

The WRC treated the following drains and basins for *Phragmites australis*:

- Caddell Drain and associated North and South Basins – 10.12 acres
- Tribute Drain Basins – 1.9 acres
- Maple Creek Drain Basin A - .36 acres
- Hidden Creek Drain Basin - .15 acres
- Bishop Drain Basin – 1.5 acres
- Wyndgate Basin 2 - .13 acres
- Arthur Drain – 4.75 Acres
- Upper Straits Lake Level Structure - .05 acres
- Randolph Street Inter-County Drain .04 acres
- Reid and Branch Drain - .78 acres
- Bunny Run Lake Level Structure - .12 acres

FY 2025: Approximately 76 acres of aquatic invasive species were treated, 1,438 acres of terrestrial invasive species were treated chemically, and 788 acres were treated physically (forestry mowing/ hand pulling, etc). The drains treated by WRC listed above were treated again in 2025.

VI. COMMUNITY SPECIFIC ACTIVITIES

Presentations and Displays

MS4 permittees are required to host an education stormwater display at least once during the five-year permit cycle. CRWC circulates a free standing, subwatershed specific display that covers topics relating to stormwater runoff and protecting water quality. The display can be requested via a survey distributed monthly through the Stormwater Monday listserv, via email, or phone call. Presentations are scheduled annually (2) per subwatershed but are also readily available to communities upon request. The table below shows the distribution of the display among the participating MS4 communities.

| Municipality/district | Date Start | Date End | Location | Subwatershed |
|----------------------------------|------------|-------------------|----------------------|--------------|
| Lake Orion | 5/23/2024 | 7/22/2024 | Village Hall | SP |
| Village of Oxford | 7/23/2024 | 10/29/2024 | Village Office | SP |
| Village of Romeo | 7/24/2024 | 10/10/2024 | Village Office | NB |
| Clinton Township | 10/10/2024 | 11/8/2024 | Township Office | CREW |
| Pontiac | 10/8/2024 | 10/22/2024 | City Hall | CM |
| Sylvan Lake | 1/16/2025 | 2/18/2025 | City Hall | CM |
| Charter Township of Oxford | 4/2/2025 | 6/12/2025 | Township Office | SP |
| Charter Township of Shelby | 4/10/2025 | 6/12/2025 | DPW Building | CREW |
| City of Rochester | 5/21/2025 | 6/12/2025 | Rochester City Hall | CM |
| Charter Township of Independence | 6/9/2025 | 7/9/2025 | | UC |
| St Clair Shores | 6/13/2025 | 7/17/2025 | City Hall | LSCDD |
| City of New Baltimore | 10/2/2025 | 11/20/2025 | City Hall | AB |
| City of Sterling Heights | 10/6/2025 | 11/12/2025 | City Hall | CRE |
| City of Grosse Pointe Farms | 10/20/2025 | 11/12/2025 | City Hall | LSCDD |
| City of Grosse Pointe | 7/17/2025 | 10/20/2025 | City Hall | LSCDD |
| City of Warren | 10/20/2025 | 11/12/2025 | City Hall | RR |
| Village of Lake Orion | 10/6/2025 | 11/20/2025 | City Hall | PC |
| Avondale Schools | 12/16/2025 | 1/22/2026 | Admin Building | CM |
| Harrison Township | 3/10/2025 | Current (3/25/26) | Engineering Building | CREW |

Regional Public Education Materials

Educational materials such as SEMCOG tip cards, dog waste bags with Seven Simple Steps to Clean Water print, and educational flyers are available to communities upon request via a survey distributed monthly through the Stormwater Monthly (formerly Monday) listserv. These materials are also provided when communities host the stormwater display. Permittees track distribution using tracking tool Appendix B.

Subwatershed Website

Website link: <https://www.crowc.org/clinton-river-watershed>.

FY 2024: During this period, the page received 3,308 unique views. Users averaged 2 minutes and 23 seconds on page.

FY 2025: In 2025, the page received 3,264 unique views. Users averaged 2 minutes and 5 seconds on page.

Community Information

CRWC will distribute a minimum of (4) educational articles, brochures, or fact sheets annually. Communities and school districts will publish via print or digital media. 13 unique flyers were included in monthly newsletters to communities and school districts through 2024 and 2025, including 5 flyers targeting 4 different commercial and industrial sectors. See Appendix D for resources distributed. Permittees report distribution using tracking tool Appendix B. Resources are also available on the “Resources” pages of the CRWC website at <https://www.crowc.org/resource-library>.

FY 2024: Four articles were distributed including A Citizen’s Guide to Fall Lawn Care, Citizen’s Guide to Rain Barrels, Keeping it Watershed Friendly in Winter, Spring Cleaning for Water Quality. In addition, Yard Waste Disposal Site BMPs and Dry Cleaning BMPs were distributed to communities and commercial partners.

FY 2025: Seven articles were distributed including A Citizen’s Guide to Fall Lawn Care, Paddling Safety Tips, Keeping it Watershed Friendly in Winter, Spring Cleaning for Water Quality, and 10 Steps for Stormwater Protection, as well as two CRWC blog posts on No Mow May and proper vape disposal tips. In addition, a new Dry Cleaning BMP, Marina and Boaters BMP, and Pool and Splash Pad BMP flyers were distributed to communities and commercial partners.

See Appendix D for copies of all BMP fact sheets.

Household Hazardous Waste Information

If applicable, permittees provide working links to websites and report via Appendix B.

Recreational Vehicle Waste Dumpsites

If applicable, permittees provide working links to websites and report via Appendix B.

Riparian Information Distribution

If applicable, permittees provide working links to websites and report via Appendix B.

VII. APPENDICES

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Appendix B – Community Tracking Spreadsheet

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APPENDIX A

PEP Activities Table

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PEP Activities Table for 2024

PEP Activities Table for 2025

| PEP TOPIC | BMP IDENTIFIER | BMP DESCRIPTOR | PARTNER COLLABORATION | TARGET AUDIENCE | Key Message(s) Addressed Green =High Priority Orange= Medium Priority Yellow= Low Priority | | | | | | | | | | FREQUENCY | RESPONSIBLE PARTY | MEASURABLE GOAL | |
|---------------------------|---|--|-----------------------|--|---|--|--|--|---|---|---|--|--|--|-----------------|-----------------------|--|---|
| | | | | | PEP Element A - Personal Watershed Stewardship | PEP Element B - Ultimate Storm Water Discharge Locations and Potential Impacts | PEP Element C - Public Reporting of Illicit Discharges | PEP Element D - Car, Pavement PowerWashing | PEP Element E- Pesticides, Herbicides, Fertilizer Education | PEP Element F-Grass Clippings, Leaf Litter, Animal Waste Disposal | PEP Element G - Waste Management Assistance | PEP Element H- Septic System Maintenance | PEP Element I - Benefits of Green Infrastructure LID | PEP Element J - Mgt. of Riparian Lands | | | | PEP Element K - Commercial, Industrial, Institutional Education |
| Watershed Wide Activities | | | | | | | | | | | | | | | | | | |
| A-C, E-G, I, J | Michigan Green Schools Program | This program was signed into law at the state level in 2006. The program encourages public and private schools to participate in energy savings and environmental activities to be designated as "Michigan Green Schools". | YES | K-12th grade students and teachers | x | x | x | | x | x | x | | x | x | Annually | Oakland Macomb | Minimum participation of 100 schools annually in each county. | |
| A-G, I,J | River Day | CRWC will recruit, host and promote events. MS4 permit communities will promote River Day events. | YES | Citizens including the general public and county and municipal employees | x | x | x | X | x | x | x | | x | x | Annually | CRWC | Promote and publicize a minimum of 15 events annually. | |
| A,B,C,J, K | Clinton Cleanup | CRWC will recruit, host and promote events. MS4 permit communities will promote Clinton Clean Up events. Recruitment of volunteers is targeted to the general public, as wells as commerical, industrial and corporate partners. | YES | Citizens including the general public and corporate employees/volunteers | x | x | x | | | | | | | x | x | Annually In September | CRWC | Host a minimum of 12 events annually 150 volunteers and 150 bags of trash removed. |
| A,B,C,J, K | Weekly Clean | CRWC will recruit, host and promote weekly clean up in the watershed. Recruitment of volunteers is targeted to commerical, industrial and corporate partners. | YES | Citizens including the general public and corporate employees/volunteers | x | x | x | | | | | | | x | x | 33-34 weeks a year | CRWC | Host weekly events beginning in April through the third week of November, with a total volunteer count of 375 and approximately 3,000 lbs of trash removed annually. |
| A-G, I,J | School Program - Clinton River Water Festival at Oakland University | Participate in the Clinton River Water Festival at Oakland University, providing staff for event planning, registration, volunteer guiding, and presentations at the festival. CRWC and Oakland County representatives serve on the planning committee that meets a minimum of 5 times annually. This water festival educates students in the Oakland County portion of the Clinton River watershed. | YES | 4th-5th grade students, teachers; corporate volunteers | x | x | x | x | x | x | x | | x | x | Annually in May | Oakland CRWC | Maintain a level of 1100 students per year plus 150 adults chaperones and teachers and 100 volunteers. | |

| | | | | | | | | | | | | | | | | | | | |
|----------|--|---|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-------------|---|
| A-G, I,J | School Program - Lake St. Clair Water Festival at Macomb Community College | Participate in the Lake St. Clair Water Festival, providing staff for event planning, registration, volunteer guiding, and presentations at the festival. CRWC and Macomb County Public Works representatives serve on the planning committee that meets a minimum of 10 times annually. This water festival educates students in the the Clinton River, Lake. St. Clair, and Anchor Bay (sub)watersheds. | YES | 4th-5th grade students,teachers; corporate volunteers | x | x | x | x | x | x | x | x | x | x | x | x | Annually in May | Macomb CRWC | Maintain a level of 1500 participants. |
| A-J | Stormwater Management Forum | CRWC will plan, promote, and host quarterly stormwater management forums. These forums bring decision makers and stakeholders within our watershed together to share information and discuss relevant topics in stormwater management. | YES | County and Municipal Employees, NGO/NPO employees, MS4 permittees, City Councils, engineers, city planners, public works operators, industrial and commercial facilities management and employees. | x | x | x | x | x | x | x | x | x | x | x | x | Quarterly | CRWC | Quarterly forums, at least 1 presenter at each forum with a minimum of 15 attendees. |
| A-K | Stormwater Education: Community Presentations and Workshops | Presentation on watersheds, stormwater pollution, green infrastructure, and lifestyle practices that preserve and protect water resources. (CRWC will host a minimum of 2 in each subwatershed.) Topics will vary and will be based on host subwatershed requests. CRWC will communicate with webmasters and communication staff of the MS4 permittees community to ensure promotion of events. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | Annually | CRWC | Minimum 14 per year (2 per subwatershed). Attendance is tracked via sign-in sheets and submitted in the biennial report. |
| A,B,C,J | Adopt-A-Stream Training Workshops | Adopt A Stream training includes one 3-hour workshop on watersheds, stormwater pollution, watershed friendly practices, and training in volunteer monitoring procedures including macroinvertebrate collection and physical assessment. (Minimum of one 3 hr workshop per subwatershed) Bug Identification Workshops are also held to ensure that each team has at least one bug certified member. | YES | Citizens including the general public and county and municipal employees | x | x | x | | | | | | | x | | | Continuous | CRWC | Minimum 7 AAS trainings annually (1 per subwatershed). Minimum 2 Bug ID trainings annually. |
| A,B,C,J | Adopt-A-Stream Volunteer Water Quality Monitoring Program | Coordination of volunteer monitoring teams at pre-selected sites. | YES | Citizens including the general public and county and municipal employees | x | x | x | | | | | | | x | | | Biannually | CRWC | Monitor a minimum of 35 locations, with a minimum of 100 volunteers on the first Saturday in May and the first Saturday in October. |

| | | | | | | | | | | | | | | | | | | |
|-------------|---|---|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|------|---|
| A-K | Subwatershed Website | Hosted by CRWC website; features subwatershed map, photos, description, events and links to education resources. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | Continuous | CRWC | Continue to maintain page and update information and verify participating communities links to this website. Website admin (CRWC) can view number of website hits and will submit in biennial report. |
| A-C,E,F,I,J | Stream Leaders Student River Monitoring Program | The mission of the Stream Leaders program is to raise young people's awareness of the importance of water quality; and to help cultivate a connection to a Great Lakes stewardship identity. This is accomplished through a multidisciplinary, place-based initiative that provides students with an educational experience in water quality monitoring, data interpretation, and citizen action. Students and teachers perform biological, physical, and chemical stream monitoring assessments. They then interpret and analyze stream data and submit it to CRWC to corroborate. | YES | K-12th grade students, teachers and chaperones | x | x | x | | x | x | | | x | x | | Program is continuous; Actual monitoring events in April/May and October. | CRWC | Retain participation of a minimum of 3,100 students and 20 schools per year, weather permitting. |
| A, D-F, H-J | RiverSafe LakeSafe | Educational outreach survey tool offering homeowners the opportunity to become certified "RiverSafe LakeSafe" by CRWC if they commit to the series of household water quality BMPs at home that reduce stormwater pollution and protect local fresh surface waters. Encourage MS4 permit communities to become certified and promote through City Council, beautification boards, planning committees, or other local committees. | YES | Home/Property owners | x | | | x | x | x | | | x | x | x | Continuous | CRWC | add a minimum of 10 new certifications a year |
| I-K | WaterTowns | CRWC's place making initiative focused on connecting communities to their waterways through education, green infrastructure, history, art and ecology. Municipalities are equipped with complete shovel ready green infrastructure project designs custom for their community and are given the opportunity to implement a GI project, providing an educational opportunity for the public to get involved through native plantings, educational signage, etc. | YES | Municipal Employees, property developers, general public | | | | | | | | | x | x | x | Continuous | CRWC | bring on a minimum of 2 new communities a year to the WaterTowns program |

| | | | | | | | | | | | | | | | | | |
|--------------|---|---|-----|-------------------------|---|---|---|---|---|---|---|---|---|---|------------|--------|--|
| A,E,F,I,K | MSU Extension Master Gardener Program | The Michigan State University Extension Master Gardener Program is an adult horticulture education and volunteer leader training program. Volunteers are committed to improving the quality of life in Michigan through horticulture-based volunteerism and beautifying communities throughout the state. | YES | Citizens | x | | | | x | x | | | x | x | Annually | Macomb | 50 active volunteers providing 2,000 hours of volunteer service. |
| A,E,F,I,K | MSU Extension Master Composter Program | The Master Composter course instructs residents about yard waste composting and reduction. This shows the importance of improving your yard at little cost, with little odor or attracting critters, and teaches how to reduce waste that must be disposed. This program gives correct knowledge that can be shared through volunteer activities. | YES | General Public | x | | | | x | x | | | x | x | Annually | Macomb | 5 active volunteers providing 100 hours of volunteer service. |
| A-C, E,F,J,K | MSU Extension Sea Grant Summer Discovery Cruises | Summer Discovery Cruises offer anyone interested in exploring Lake Erie, the Detroit River and Lake St. Clair the opportunity to get out on the water for an education experience. | YES | General Public | x | x | x | | x | x | | | x | x | Seasonally | Macomb | 250 participants per year |
| A,E,F,K | MSU Extension 4-H Environmental and Outdoor Education | Programs focus on teaching environmental responsibility and stewardship. This 4-H program area provides educational opportunities for youth to enjoy the outdoors and learn about the interconnection of people and nature. | YES | Youth | x | | | | x | x | | | | x | Annually | Macomb | 1,000 youth per year mentored and educated by 100 adult and teen volunteers to deliver their programs. |
| A-K | MSU Extension Public Education Classes | Homeowner classes on environmentally safe maintenance | YES | General Public | x | x | x | x | x | x | x | x | x | x | Annually | Macomb | 25 attendees per year |
| A-K | Facility Tours | On-site tours of Macomb County facilities are available relating to environmental impacts to the Clinton River and Lake St. Clair. Tours focus on what the county is doing to improve our water resources and to educate the public on how they can help. | YES | General Public | x | x | x | x | x | x | x | x | x | x | Annually | Macomb | Engage 20 participants per year. |
| A,B,C,G | Household Hazardous Waste Collection | The Macomb County Health Department sponsors hazardous waste collection drop-off sites for proper disposal. This includes fluorescent bulbs, used oil & oil filters, mercury thermometers, PCBs, etc. | YES | Macomb County Residents | x | x | x | | | | x | | | | Annually | Macomb | Host six events per year and a collection goal of 100,000 pounds of waste from participating residents |

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| A,G | Medication Disposal | Low concentrations of prescription drugs, including opiates, and over the counter medications have been detected in the drinking water supplies of 24 major metropolitan areas throughout the country, including Detroit. Contributing to the problem is the disposal dilemma faced by residents who want to safely dispose of unwanted medications without flushing them down the drain. The Macomb County Health Department is partnering with local pharmacies to accept unwanted and expired medications. | YES | General Public | x | | | | | | | | | | | | Annually | Macomb | Collect 1,000 pounds of unwanted medication annually. Data is collected from sheriff's department. |
| A,I-K | The Blue Economy Initiative | Macomb County's Blue Economy Initiative is designed to protect and enhance Macomb County's assets, Lake St. Clair and the Clinton River Watershed. Its objectives are to increase public access and cultivate investment while maintaining high standards for environmental stewardship. | YES | General Public | x | | | | | | | | | | | | Annually | Macomb | Annually host a lake event. |
| | Lake St. Clair Initiative Circle the Lake Tour | Macomb County Planning and Economic Development created this public/private, non-profit association to increase the awareness, protect, and develop the rich and diverse assets on and around this fresh water community. | YES | General Public | x | | | | | | | | | | | | Annually | Macomb | Distribute 500 maps through municipalities and tourism events. |
| A,J | Clinton River Blue Way Water Trail | Macomb Count created a Blue Way Water Trail to increase awareness of the natural assets the county possesses and create opportunities to publicize and increase access to the Clinton River. | YES | General Public | x | | | | | | | | | | | | Annually | Macomb | Distribute 200 water trail maps through the CRWC. |
| A,E,J | Phragmites Invasive Removal | The intent of the project is to protect coastal marshes (wetlands) within the St. Clair watershed through the control of common reed, or phragmites. Treatment includes aerial and ground application of herbicide, followed by either prescribed burning or mowing. | YES | General Public | x | | | | | | | | | | | | Seasonally | Macomb | Attend 4 CISMA meetings per year. |
| A,B,J | Spill Awareness | Macomb County will promote a citizens awareness program for spill response and how to notify proper authorities for clean up if necessary. | YES | Homeowners, visitors, and business owners within Macomb | x | x | | | | | | | | | | | Annually | Macomb | Attend 1 Emergency Response meeting a year to update and report procedures. |
| A-K | Bulletin Boards/ Displays | Bulletin boards in the designated county buildings on clean water topics. Other related information is posted and/or materials are placed for public/county employees to take. Display booths at county events and other events as requested. | YES | General public, Macomb County employees | x | x | x | x | x | x | x | x | x | | | | Quarterly | Macomb | flyers and topics to be rotated at least 4 times per year. Materials are counted before and after each event |

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| A-C, G, I, J | Macomb County Social Media Sites | All the nested Macomb County departments keep the Macomb County communities informed on the many projects, services provided, and highlights some of the ongoing projects and services going on in the county through various forms of social media. These resources also provide updates about events and education the citizens can participate in around the county. The main county website is: http://www.macombgov.org/ . | YES | General public, Macomb County employees | x | x | x | | | | | | | | | Updated on a regular basis | Macomb | Provide working links to websites and pages. Track hits on websites and social media pages |
| A-K | Publications | Publicize environmental stewardship, pollution prevention, best management practices and other relevant environmental activities to Macomb County staff, the general public and business/industry | YES | General public, Macomb County employees | x | x | x | x | x | x | x | x | x | x | x | Annually | Macomb | distribute at least 150 publications through direct mailing or email each year |
| A-K | Riparian Information | Make available riparian landowner educational materials at events, meetings, and through mailings. | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | Annually | Macomb | Educate at least 12 riparian residents a year through inquiries. |
| Macomb County NON-REQUIRED Activities | | | | | | | | | | | | | | | | | | |
| A,B,G,K | Board of Commissioners Earth Day Contest | Macomb County will promote and sponsor an Earth Day contest for 4th & 5th grade students in the county. | YES | Elementary students | x | x | | | | | | | | | | Annually | Macomb | Have at least 10 participants per year. |
| A,B,E,F,I<K | Green Macomb | The Macomb County Department of Planning & Economic Development is developing a new initiative to support green infrastructure efforts that strengthen the economic vitality, quality of life, and environmental wellbeing for those visiting, living, and working in Macomb County. | YES | General Public | x | x | | | x | x | | | | | | Annually | Macomb | Plant 50 trees a year and attend one event per year. |
| A,J | HEART Freshwater Center | The HEART Freshwater Center is a unique alliance of agencies working together to study the Huron to Erie Corridor through research, education and training. The purpose of this research is to improve the ecosystems of these water bodies and the quality of life for the people who use them. | YES | General Public | x | | | | | | | | | | | Annually | Macomb | Work with lab two times a year on water quality event/testing. |
| Oakland County Specific Activities | | | | | | | | | | | | | | | | | | |

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| A-C, G, I-K | Regional Stormwater Summit | This annual event, which debuted in 2013, features presentations on stormwater and watershed initiatives in the southeast Michigan and the Great Lakes region that are relevant in helping communities work together and gain insight into addressing the region's stormwater and watershed management challenges. | YES | Citizens including the general public and county and municipal employees | x | x | x | | | | | | | | | Annually in the Fall (September/October) | Oakland | Maintain a minimum 100 participants annually from southeast MI |
| A-K | Bulletin Boards | Bulletin boards in the WRC Public Works Building main lobby and framed posters in the vestibule of the WRC Water and Sewer Billing Office in Waterford are posted with information developed by the Southeast Michigan Partners for Clean Water on the "Seven Simple Steps to Clean Water" topics. Other related information is posted and/or materials are placed on the front desk of the Public Works Building main lobby for the public/county employees to take. | YES | General public, CVTs, county employees within Oakland County | x | x | x | x | x | x | x | x | x | x | | Monthly | Oakland | Topics posted are tracked in an excel spreadsheet available upon request. Topics posted will be reported annually |
| A-C E-G, I | Dirt Doctors Program | The Dirt Doctors Program is an interactive program facilitated by WRC staff geared towards 4th and 5th grade students and teaches youth about how individual actions affect our waterways. The program focuses on the importance of soil erosion prevention and watershed stewardship. | YES | Oakland County 4th-12th grade students, teachers and chaperones | x | x | x | | x | x | x | | | | | Annually | Oakland | Minimum of 25 programs annually |
| A-C, H | Drain Detectives Program | The Drain Detectives Program is an interactive program facilitated by WRC staff geared towards 4th through 12th grade students. It teaches students how pollution can get into our waterways, what to look for, how to detect it and how to trace the source of the pollution. Students learn how they can help prevent pollution and how to report pollution incidents through Oakland County's 24-Hour Pollution Hotline. Students also learn how water and pollution travel through the watershed. | YES | Oakland County 4th-12th grade students, teachers and chaperones | x | x | x | | | | | | x | | | Annually | Oakland | Minimum of 5 programs over the permit cycle |
| A-J | Enviroscape Watershed Model Program | The Enviroscape watershed model teaches students about watersheds and how individual actions affect our waterways, as well as how pollution moves throughout a watershed. Students are taught how to prevent pollution through everyday actions. The model is programming is facilitated by WRC staff The Enviroscape is also made available to the public to borrow for presentations. | YES | General public, Oakland County students | x | x | x | x | x | x | x | x | x | | | Annually | Oakland | Minimum of 10 programs annually |

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| A-C, G, I, J | E-newsletter Articles | <p>WRC releases an electronic newsletter to the public, CVTs, elected officials and county employees on a quarterly basis (the E-newsletter has taken the place of the WRC Watermark newsletter). This newsletter keeps Oakland County communities informed on the many projects and services provided by the WRC and highlights some of the WRC's ongoing projects and services. It also provides updates about the evolving role of the WRC office.</p> | YES | General public, CVTs, elected officials, and county employees in Oakland County | x | x | x | | | | | | | | | | Published quarterly | Oakland | Minimum of 4 newsletters annually |
| A-K | Household Hazardous Waste Information | <p>Continue to publicize information on the NO HAZ, Resource Recovery and Recycling Authority of Southwest Oakland County (RRRASOC) and Southeastern Oakland County Resource Recovery Authority (SOCRRA) programs to citizens and employees of Oakland County on WRMD's Web site (www.oakgov.com/waste/nohaz). NO HAZ, RRRASOC and SOCRRA provide safe disposal of household hazardous waste to Oakland County municipalities to the maximum extent practicable (as budget allows). The WRC will continue to distribute HHW brochures.</p> <p>WRC also provides an ad on household hazardous waste disposal in the Oakland Lakefront magazine and has information in its Waterfront Wisdom publication and on their Web site at www.oakgov.com/riparian.</p> | YES | Residents | x | | | | | | | | | | | | Annually | Oakland | <p>Maintain working links to Web sites and track number of website hits annually</p> <p>Hold a minimum of four collection events per year</p> <p>Collect and properly dispose of a minimum of 200,000 pounds of household hazardous waste per year</p> |
| A-K | Kids' Clean Water Calendar Contest | <p>The Kids' Clean Water Calendar contest is open to all 4th and 5th grade students in all schools within Oakland County. Themes for drawing entries surround the Seven Simple Steps to Clean Water campaign topics developed by SEMCOG. The contest promotes the students to learn about watershed stewardship and how our daily actions impact our waterways.</p> | YES | General public, Oakland County 4th and 5th grade students | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | <p>Achieve participation of a minimum of 600 students per year</p> <p>Distribute a minimum of 5,000 calendars per year throughout Oakland County</p> |

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| A, I, J | Natural Resources Education Program | Special programs are offered by Oakland County Parks and Recreation Commission (OCPRC) staff throughout the year which provide opportunities for the community to participate in ongoing stewardship efforts. Programs take place at the Oakland County Parks as well as other locations in Southeast Michigan. Stewardship opportunities are posted on OCPRC's Web site at: www.destinationoakland.com | YES | General public, visitors to the area | x | | | | | | | | | | | | | Annually | Oakland | Hold a minimum of 10 stewardship events per year with participation from a minimum of 200 individuals per year |
| A-K | Oakland County Environmental Stewardship and Water Resource Web sites | WRC, Oakland County Planning and Economic Development Services (OCPEDS), Road Commission of Oakland County (RCOC), OCPRC and MSU-Extension Oakland County maintain environmental stewardship and/or water resource information on their Web sites at: www.oakgov.com/es , www.oakgov.com/riparian , https://www.oakgov.com/parks/getinvolved/Pages/Natural-Resource-Management.aspx , http://www.rcocweb.org/Environmental/Environmental.aspx , and http://www.oakgov.com/msu/ . Information will also be provided via the Be Phosphorus Smart! Web site, which is a portal to information on phosphorus and its role in and impacts on crops, turf and lawn care, and stormwater (http://www.bephosphorusmart.msu.edu/) | YES | General public, CVTs, county employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland MSUE Oakland | Provide working links to Web sites and track number of website hits annually |
| A | Oakland Lakefront Magazine Advertisements | Public education messages are placed in the Oakland Lakefront magazine. The messages include pet care, fertilizers, household hazardous waste disposal, earth-friendly landscaping, car care and storm drain awareness. Oakland Lakefront is published monthly and reaches approximately 17,000 homeowners on the waterways of Oakland County. | YES | General public, riparian landowners | x | x | x | x | x | x | x | x | x | x | x | x | x | April through September | Oakland | Place six (6) ads per year Reach a minimum of 13,000 lakefront residents per ad per year |
| A-K | Publicize Environmental-Related Events | Publicize environmental stewardship and other relevant environmental activities to WRC staff and the general public through in-house bulletin boards in WRC lobby. Oakland County also has a Web portal where this information is available at: https://www.oakgov.com/parks/getinvolved/Pages/Natural-Resource-Management.aspx | YES | General Public, visitors to the area, WRC staff | x | | | | | | | | | | | | | Annually | Oakland | Publicize a minimum of 20 natural-resource related events per year Maintain working links to Web sites and track number of website hits annually |

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| G | Recreational Vehicle Waste Dumpsites | Post links and/or locations to recreational vehicle (RV) waste dumpsites in the region on Southeast Michigan Council of Government's (SEMCOG) Ours to Protect Web site at: www.semkog.org/OursToProtect_HouseholdWaste.aspx and provide a link to Michigan RV dump sites (www.rvdumps.com/mi.htm) on Oakland County Waste Resource Management Division's Web site at: www.oakgov.com/waste/. | YES | Residents, visitors to the area | | | | | | | | | | | | | Annually | Oakland | Provide working links to Web sites and track number of website hits annually to Oakland County's Waste and Recycling Resources page will be tracked annually |
| A-K | Riparian Information Distribution | Distribute riparian landowner educational material (i.e. Waterfront Wisdom brochure) at events, meetings, and through mailings. Maintain WRC's riparian education Web site (www.oakgov.com/riparian) | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | Maintain working links to Web sites and track number of website hits annually Distribute a minimum of 100 Waterfront Wisdom booklets per year |
| A, G | Solid Waste Plan | Continue to implement Oakland County's Solid Waste Plan which establishes an enforceable program and processes that when implemented will minimize future adverse impacts upon public health, the environment and the landscape as a result of the generation, handling, processing and disposal of Act 451, Part 115 non-hazardous solid wastes. | YES | Residents | x | | | | | | | | x | | | | Annually | Oakland | Provide working link to Web site and track number of website hits annually |
| A-K | Inland Lake Natural Shoreline/Education Program | The MDEQ and MSU-Extension has spearheaded the development of the Michigan Natural Shoreline Partnership (MNSP). Each year, education and outreach is provided to inland lake homeowners and shoreline landscape contractors on the following topics: the importance of natural shoreline landscapes on Michigan's inland lakes, healthy lake ecosystems, understanding the shoreline, shoreline invasive plants, planning a natural shoreline landscape, design ideas for a natural shoreline landscape, plant selection, planting stock and site preparation, natural shoreline success, and Michigan rules and regulations. In Oakland County, a partnership has formed between the WRC, MSU-Extension, OCPRC, Clinton River Watershed Council, Wild Ones, Oakland Conservation District and MDEQ to offer programming locally. | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | Report annually: -Number of programs held -Number of attendees -Workshop partners Host and participate in at least one program annually in Oakland County |

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| A,C,G | Household Hazardous Waste Information | <p>Continue to publicize information on the NO HAZ, Resource Recovery and Recycling Authority of Southwest Oakland County (RRRASOC) and Southeastern Oakland County Resource Recovery Authority (SOCRRA) programs to citizens and employees of Oakland County on WRMD's Web site (www.oakgov.com/waste/nohaz). NO HAZ, RRRASOC and SOCRRA provide safe disposal of household hazardous waste to Oakland County municipalities to the maximum extent practicable (as budget allows). Oakland County MS4 permittees will also promote.</p> <p>The WRC will continue to distribute HHW brochures.</p> <p>WRC also provides an ad on household hazardous waste disposal in the Oakland Lakefront magazine and has information in its Waterfront Wisdom publication and on their Web site at www.oakgov.com/riparian.</p> | | Residents | x | | x | | | | x | | | | | Continuous | MS4 Permittees | Provide working links to websites. MS4 permit communities have an excel document to track link locations and website hits. |
| A,G | Recreational Vehicle Waste Dumpsites | <p>Post links and/or locations to recreational vehicle (RV) waste dumpsites in the region on Southeast Michigan Council of Government's (SEMCOG) Ours to Protect Web site at: www.semco.org/OursToProtect_HouseholdWaste.aspx or provide a link to Michigan RV dump sites (www.rvdumps.com/mi.htm) on Oakland County Waste Resource Management Division's Web site at: www.oakgov.com/waste/. MS4 may add this to thier SWMP</p> | | Residents, visitors to the area | x | | | | | | x | | | | | Continuous | MS4 Permittees | Provide working links to websites and track number of hits. MS4 permit communities have an excel document to track link locations and website hits. |
| A-J | Riparian Information Distribution | <p>Distribute riparian landowner educational material (i.e. Waterfront Wisdom brochure) make available to their public via mailings or through their website. events, meetings, and through mailings. MS4 may add this to thier SWMP</p> <p>Maintain WRC's riparian education Web site (www.oakgov.com/riparian)</p> | | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | Continuous | MS4 Permittees | Provide working link to website and track number of hits. MS4 permit communities have an excel document to track link locations and website hits. |

| BMP IDENTIFIER | BMP DESCRIPTOR | PARTNER COLLABORATION | TARGET AUDIENCE | PEP Topics Addressed Green = High Priority, Orange = Medium Priority, Yellow = Low Priority | | | | | | | | | | | | FREQUENCY | RESPONSIBLE PARTY | MEASURABLE GOAL |
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| | | | | 4a. Education the public on the following related to the stormwater discharges: | | | 4b. Educate the public on the following related to illicit discharges: | | | 4c. Educate the public on proper application of the following: | | 4d. Educate the public on the proper disposal of the following: | | | | | | |
| | | | | i. Connection of the MS4 to area waterbodies and potential impacts | ii. Public responsibility and stewardship in the applicant's watershed(s) | iii. Benefits of green infrastructure and low impact development | i. Detection and elimination of illicit discharges | ii. Public reporting of illicit discharges | iii. Proper septic system care and maintenance and recognizing system failure | i. Deicing materials | ii. Pesticides, herbicides, and fertilizers | i. Grass clippings and leaves | ii. Pet waste | iii. Household hazardous waste | iv. Commercial and industrial waste | | | |
| Watershed Wide Activities | | | | | | | | | | | | | | | | | | |
| Michigan Green Schools Program | This program was signed into law at the state level in 2006. The program encourages public and private schools to participate in energy savings and environmental activities to be designated as "Michigan Green Schools". | YES | K-12th grade students and teachers | x | x | x | x | x | | x | x | x | x | | | Annually | Oakland Macomb | Minimum participation of 75 schools annually in each county. |
| River Day | River Day is designed to encourage appreciation and recreational use of the waterways of the Clinton River and Lake St. Clair and to celebrate the leadership of local citizens, organizations, and communities whose efforts are critical to protecting and enhancing the overall quality of the Clinton River watershed. CRWC will recruit, host and promote events. MS4 permit communities will promote River Day events. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | | | Annually | CRWC | CRWC will promote and publicize a minimum of 15 events annually. |
| Clinton Cleanup | Clinton Cleanup is an annual effort to coordinate multiple clean-ups of local water resources and green spaces. CRWC will recruit, host and promote events. MS4 permit communities will promote Clinton Clean Up events. Recruitment of volunteers is targeted to the general public, as well as commercial, industrial and corporate partners. | YES | Citizens including the general public and corporate employees/volunteers | x | x | | x | x | | | | x | x | x | x | Annually In April | CRWC | CRWC will host and recruit hosts to facilitate a minimum of 12 events annually 150 volunteers resulting in at least 1,000 pounds of trash removed. |
| Weekly Clean | CRWC will recruit, host and promote weekly clean up in the watershed. Recruitment of volunteers is targeted to general public as well as commercial, industrial and corporate partners. | YES | Citizens including the general public and corporate employees/volunteers | x | x | | x | x | | | | x | x | x | x | 30-31 weeks a year | CRWC | CRWC will host weekly events beginning in April through the end of October, with a total volunteer count of 375 and approximately 3,000 lbs of trash removed annually. |
| School Program - Clinton River Water Festival at Oakland University | Participate in the Clinton River Water Festival at Oakland University, providing staff for event planning, registration, volunteer guiding, and presentations at the festival. CRWC and Oakland County representatives serve on the planning committee that meets a minimum of 5 times annually. This water festival educates students in the Oakland County portion of the Clinton River watershed. | YES | 4th-5th grade students, teachers; corporate volunteers | x | x | x | x | x | | | x | x | x | | | Annually in May | Oakland CRWC | Maintain a level of 750 students per year plus 150 adults chaperones and teachers and 100 volunteers. |

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| School Program - Lake St. Clair Water Festival at Macomb Community College | Participate in the Lake St. Clair Water Festival, providing staff for event planning, registration, volunteer guiding, and presentations at the festival. CRWC and Macomb County Public Works representatives serve on the planning committee that meets a minimum of 10 times annually. This water festival educates students in the the the Clinton River, Lake. St. Clair, and Anchor Bay (sub)watersheds. | YES | 4th-5th grade students,teachers; corporate volunteers | x | x | x | x | x | | | | | | | | | | Annually in May | Macomb CRWC | Maintain a level of 1300 participants. |
| Stormwater Management Forum | CRWC will plan, promote, and host quarterly stormwater management forums. These forums bring decision makers and stakeholders within our watershed together to share information and discuss relevant topics in stormwater management. | YES | County and Municipal Employees, NGO/NPO employees, MS4 permittees, City Councils, engineers, city planners, public works operators, industrial and commercial facilities management and employees. | x | x | x | x | x | x | x | x | x | x | x | x | x | x | Quarterly | CRWC | CRWC will host quarterly forums, at least 1 presenter at each forum with a minimum of 15 attendees. |
| Stormwater Education: Community Presentations and Workshops | Presentation on watersheds, stormwater pollution, green infrastructure, and lifestyle practices that preserve and protect water resources. (CRWC will host a minimum of 2 in each subwatershed.) Topics will vary and will be based on host subwatershed requests. CRWC will communicate with webmasters and communication staff of the MS4 permittees community to ensure promotion of events. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | CRWC | CRWC will provide minimum 14 per year (2 per subwatershed). Attendance is tracked via sign-in sheets and submitted in the biennial report. | |
| Adopt-A-Stream Training Workshops | Adopt A Stream training includes one 1.5-hour workshop on watersheds, stormwater pollution, watershed friendly practices, and training in volunteer monitoring procedures including macroinvertebrate collection and physical assessment. (Minimum of one 3 hr workshop per subwatershed) Bug Identification Workshops are also held to ensure that each team has at least one bug certified member. | YES | Citizens including the general public and county and municipal employees | x | x | | x | x | | | | | | | | | Continuous | CRWC | CRWC will provide minimum 7 AAS trainings annually (1 per subwatershed). Minimum 2 Bug ID trainings annually. | |
| Adopt-A-Stream Volunteer Water Quality Monitoring Program | Adopt-A-Stream is a volunteer-based initiative that empowers community members to protect local streams and rivers by monitoring water quality. Volunteers are trained, teamed-up, assigned sites, given equipment and data sheets then sent out into the field to gather data. Coordination of volunteer monitoring teams at pre-selected sites. | YES | Citizens including the general public and county and municipal employees | x | x | | x | x | | | | | | | | | Biannually | CRWC | CRWC staff and volunteers will monitor a minimum of 35 locations, with a minimum of 250 volunteers on the first Saturday in May and the first Saturday in October. | |
| Subwatershed Website | Hosted by CRWC website; features subwatershed map, photos, description, events and links to education resources. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Continuous | CRWC | CRWC will continue to maintain page and update information and verify participating communities links to this website. Website admin (CRWC) can view number of website hits and will submit in biennial report. | |
| Stream Leaders Student River Monitoring Program | The mission of the Stream Leaders program is to raise young people's awareness of the importance of water quality; and to help cultivate a connection to a Great Lakes stewardship identity. This is accomplished through a multidisciplinary, place-based initiative that provides students with an educational experience in water quality monitoring, data interpretation, and citizen action. Students and teachers perform biological, physical, and chemical stream monitoring assessments. They then interpret and analyze stream data and submit it to CRWC to corroborate. | YES | K-12th grade students, teachers and chaperones | x | x | | x | x | | | x | x | x | x | x | | Program is continuous; Actual monitoring events in April/May and October. | CRWC | CRWC will retain participation of a minimum of 15 schools per year, weather permitting. CRWC will work towards recruiting an additional 10 schools during the 5-year permit cycle. | |

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| RiverSafe LakeSafe | Educational outreach survey tool offering homeowners the opportunity to become certified "RiverSafe LakeSafe" by CRWC if they commit to the series of household water quality BMPs at home that reduce stormwater pollution and protect local fresh surface waters. Encourage MS4 permit communities to become certified and promote through City Council, beautification boards, planning committees, or other local committees. | YES | Home/Property owners | x | x | x | | | | | x | x | x | x | x | x | | Continuous | CRWC | CRWC will add a minimum of 15 new certifications a year | | |
| WaterTowns | CRWC's place making initiative focused on connecting communities to their waterways through education, green infrastructure, history, art and ecology. Municipalities are equipped with complete shovel ready green infrastructure project designs custom for their community and are given the opportunity to implement a GI project, providing an educational opportunity for the public to get involved through native plantings, educational signage, etc. | YES | Municipal Employees, property developers, general public | x | x | x | | | | | | | | | | | | Continuous | CRWC | CRWC will work with communities to add: 1 new community, and/or 2 projects implemented, and/or 2 projects in design/planning phase annually. | | |
| Stormwater Education: Industrial and Commercial Facilities | CRWC will provide educational materials and BMP fact sheets to industrial and commercial facilities. Target 2 industrial/commercial sectors per year. | YES | Employees and property owners at industrial and commercial facilities. Property developers, planners, engineers. | | | | | | | | | | | | | | x | x | Continuous | Macomb; Oakland; CRWC; MS4 Permittees | CRWC will target 2 sectors per year and distribute BMP fact sheets through annual email blast to designated contact at each facility, with the assistance of MS4 permittees as practicable. Track distribution via list of businesses and emails sent. | |
| Stormwater Education: Industrial and Commercial Facilities | Attend Regional Chamber of Commerce Networking events to build relationships with business owners and share information related to stormwater pollution prevention for business/industry. | YES | Employees and property owners at industrial and commercial facilities. Property developers, planners, engineers. | | | | | | | | | | | | | | | x | x | Continuous | CRWC | CRWC will attend a minimum of 2 events annually. CRWC will provide social media templates or content to share educational topics surrounding stormwater, at least 6 per year. Examples may include a social media friendly version of a BMP flyer, tips for yard maintenance, infographics on stormwater impacts, etc. These templates are to be distributed by MS4 permittees, Oakland County, and Macomb County as practicable throughout the year. |
| Social Media Outreach | Use social media platforms (Facebook, Twitter, Instagram) to collaborate among partners for cross promotion of events, fundraisers, news, education, and community announcements. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | Continuous | CRWC; MS4 Permittees | Track total monthly response and interactions such as likes, comments, and shares on Facebook, likes, responses, and retweets on Twitter, and likes on Instagram. | |
| Residential GSI Education | CRWC will provide specific education on practices such as rain gardens, rain barrels, trees, native plants, and other residential nature-based stormwater management tools. Workshops, presentations, and materials will include information on reducing stormwater runoff and how GSI practices improve water quality and support native wildlife. | YES | Citizens including the general public, landowners, and waterfront residents | x | x | x | x | x | x | x | x | x | x | x | x | | | Continuous | CRWC; Macomb; Oakland; MS4 Permittees | CRWC will host at least 1 native plant sale and rain barrel sale each year. CRWC, Oakland County, and others will participate as an instructor for the annual virtual Master Rain Gardener program. Other partners' participation is encouraged, but may vary year to year. Number of participants taught by CRWC directly will be tracked and reported. CRWC will maintain working links to resources on its website about native plants, rain barrels, and rain gardens and track hits. | | |
| Storm Drain Awareness Program | Through storm drain stenciling and murals, Adopt-A-Drain program, and mapping campaigns, draw awareness to storm drain connections to local water bodies. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | | | | | | | | | | Continuous | CRWC | CRWC will begin development of program in FY2025, pilot in FY2026, and fully implement in FY2027. | | |
| PEP Partner Meetings | CRWC will host quarterly meetings as an opportunity for the parties committed to PEP activities to share upcoming events, challenges, and to share program feedback. | YES | Program managers for PEP activities, including CRWC, Macomb, Oakland, and MSU-E | x | x | x | x | x | x | x | x | x | x | x | x | x | | Quarterly | CRWC; Macomb; Oakland; MSU Extension | At least 4 meetings will be held each year, with the goal of each program manager other than CRWC attending at least 3 of the 4. | | |
| Macomb County Specific Activities | | | | | | | | | | | | | | | | | | | | | | |
| Public Works Presentations | Presentations are offered to school and adult groups. These presentations educate citizens on pollution prevention in our waterways in order to improve the quality of life and promote economic prosperity with clean water. | YES | General Public in Macomb County | x | x | x | x | x | x | x | x | x | x | x | x | x | | Annually | Macomb County Public Works | 30 presentations per year | | |

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| Facility Tours | On-site tours of Macomb County facilities are available relating to environmental impacts to the Clinton River and Lake St. Clair. Tours focus on what the county is doing to improve our water resources and to educate the public on how they can help. | YES | General Public | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Macomb County Public Works | Engage 20 participants per year. |
| Household Hazardous Waste Collection | The Macomb County Health Department sponsors hazardous waste collection drop-off sites for proper disposal. This includes fluorescent bulbs, used oil & oil filters, mercury thermometers, PCBs, etc. | YES | Macomb County Residents | x | x | | x | | | | | | | | | | Annually | Macomb County Health Department | Host six events per year and a collection goal of 80,000 pounds of waste from participating residents |
| Medication Disposal | Low concentrations of prescription drugs, including opiates, and over the counter medications have been detected in the drinking water supplies of 24 major metropolitan areas throughout the country, including Detroit. Contributing to the problem is the disposal dilemma faced by residents who want to safely dispose of unwanted medications without flushing them down the drain. The Macomb County Health Department is partnering with local pharmacies to accept unwanted and expired medications. | YES | General Public | x | x | | x | | | | | | | | | | Annually | Macomb County Health Department | Collect 750 pounds of unwanted medication annually. Data is collected from sheriff's department. |
| The Blue Economy Initiative | Macomb County's Blue Economy Initiative is designed to protect and enhance Macomb County's assets, Lake St. Clair and the Clinton River Watershed. Its objectives are to increase public access and cultivate investment while maintaining high standards for environmental stewardship. | YES | General Public | x | | | x | | | | | | | | | | Annually | Macomb Planning and Economic Development | Annually host a lake event. |
| Lake St. Clair Initiative Circle the Lake Tour | Macomb County Planning and Economic Development created this public/private, non-profit association to increase the awareness, protect, and develop the rich and diverse assets on and around this fresh water community. | YES | General Public | x | | | | | | | | | | | | | Annually | Macomb Planning and Economic Development | Provide working links to websites and pages. Track hits on website. |
| Clinton River Blue Way Water Trail | Macomb County created a Blue Way Water Trail to increase awareness of the natural assets the county possesses and create opportunities to publicize and increase access to the Clinton River. | YES | General Public | x | | | | | | | | | | | | | Annually | Macomb Planning and Economic Development | Distribute 200 water trail maps through the CRWC. |
| Phragmites Invasive Removal | The intent of the project is to protect coastal marshes (wetlands) within the St. Clair watershed through the control of common reed, or phragmites. Treatment includes aerial and ground application of herbicide, followed by either prescribed burning or mowing. | YES | General Public | x | | | | | | | | | | | | | Seasonally | Macomb, Macomb County CISMA | Attend 4 CISMA meetings per year. |
| Spill Awareness | Macomb County will promote a citizens awareness program for spill response and how to notify proper authorities for clean up if necessary. | YES | Homeowners, visitors, and business owners within Macomb | x | x | | x | x | | | | | | | | | Annually | Macomb County Public Works | Attend 1 Emergency Response meeting a year to update and report procedures. |
| Bulletin Boards/ Displays | Bulletin boards in the designated county buildings on clean water topics. Other related information is posted and/or materials are placed for public/county employees to take. Display booths at county events and other events as requested. | YES | General public, Macomb County employees | x | x | x | x | x | x | x | x | x | x | x | | | Annually | Macomb County Public Works | Flyers and topics to be rotated annually. Materials are counted before and after each event. 1,200 pieces of print material to be distributed at events, to homeowners, and in offices. |
| Macomb County Social Media Sites | All the nested Macomb County departments keep the Macomb County communities informed on the many projects, services provided, and highlights some of the ongoing projects and services going on in the county through various forms of social media. These resources also provide updates about events and education the citizens can participate in around the county. The main county website is: http://www.macombgov.org/ . | YES | General public, Macomb County employees | x | x | x | x | x | | | | | | | | | Updated on a regular basis | Macomb County Public Works | Provide working links to websites and pages. Track hits on websites and social media pages. Outreach may include use of parts or all of CRWC-developed templates as practicable. |
| Publications | Publicize environmental stewardship, pollution prevention, best management practices and other relevant environmental activities to Macomb County staff, the general public and business/industry | YES | General public, Macomb County employees | x | x | x | x | x | x | x | x | x | x | x | x | | Annually | Macomb County Public Works | Distribute at least 200 publications through direct mailing or email each year. |

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| Riparian Information | Make available riparian landowner educational materials at events, meetings, and through mailings. | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Macomb County Public Works | Educate at least 12 riparian residents a year through inquiries. |
| MSU Extension Understanding Groundwater | This presentation targets 4th through 6th graders. Using a groundwater model and hands on activities, students review basic water knowledge, learn what groundwater is, the surface/groundwater connection and the importance of protecting and conserving groundwater resources. | YES | Elementary students and educators | x | | | | | | x | | | | | | | Annually | MSU Extension | Completed at 1-3 fairs and community events each year to engage participants |
| MSU Extension Water Conservation Program | Designed for 4th through 6th graders. The children explore water conservation topics such as where water comes from, how to use water wisely, and how to protect and conserve this precious resource. | YES | Elementary students and educators | x | x | | | | | x | | | | | | | Annually | MSU Extension | 100 classroom participants per year |
| MSU Extension Master Gardener Program | The Michigan State University Extension Master Gardener Program is an adult horticulture education and volunteer leader training program. Volunteers are committed to improving the quality of life in Michigan through horticulture-based volunteerism and beautifying communities throughout the state. | YES | General Public | x | | | x | | | | | x | x | | | | Annually | MSU Extension | 150 active volunteers providing 6,000 hours of volunteer service. |
| MSU Extension Master Composter Program | The Master Composter course instructs residents about yard waste composting and reduction. This shows the importance of improving your yard at little cost, with little odor or attracting critters, and teaches how to reduce waste that must be disposed. This program gives correct knowledge that can be shared through volunteer activities. | YES | General Public | x | | | x | | | | | x | x | | | | Annually | MSU Extension | Offered as an online class - https://www.canr.msu.edu/courses/master-composter-online-course (an in-person class can be requested with enough attendees). Participation is tracked. |
| MSU Extension Sea Grant Summer Discovery Cruises | Summer Discovery Cruises offer anyone interested in exploring Lake Erie, the Detroit River and Lake St. Clair the opportunity to get out on the water for an education experience. | YES | General Public | x | x | x | | | | | | x | x | | | | Seasonally | MSU Extension | 450 participants per year |
| MSU Extension 4-H Environmental and Outdoor Education | Programs focus on teaching environmental responsibility and stewardship. This 4-H program area provides educational opportunities for youth to enjoy the outdoors and learn about the interconnection of people and nature. | YES | Youth | x | | | | | | | | x | x | | | | Annually | MSU Extension | 2,000 youth per year mentored and educated by 150 adult and teen volunteers to deliver their programs. |
| MSU Extension Public Education Classes | Homeowner classes on environmentally safe maintenance | YES | General Public | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | MSU Extension | 25 attendees per year |
| MSU Extension Clean Boats, Clean Waters Program | Program educating Michigan boaters to promote understanding of boat cleaning practices and regulations through the distribution of educational materials, an online resource library, boat washing demonstrations, grants, and partnerships. | YES | General Public | x | x | | | x | x | | | | | | | | Annually | MSU Extension | 5 Macomb County attendees annually. |
| MSU Extension Introductions to Lakes Course | Introduction to Lakes Online is designed for interested individuals, decision makers, local leaders, resource professionals, and lakefront property owners interested in gaining knowledge about inland lakes and connecting with others who have a similar interest. | YES | General Public, lakefront homeowners, natural resource managers | x | x | | | | | | | x | x | | | | Annually | MSU Extension | 10 participants from Macomb County annually. |
| MSU Extension Conservation Stewards Program | Program instructing individuals on the foundations of conservation in Michigan and its diverse terrestrial, wetland and aquatic ecosystems. Program culminates in a capstone project where students plan and facilitate a conservation project of their own. | YES | General Public | x | x | x | | | | | | | | | | | Biannually | MSU Extension | 15 participants from Macomb County every other year (typically even-numbered years). |
| Board of Commissioners Earth Day Contest | Macomb County will promote and sponsor an Earth Day contest for 4th & 5th grade students in the county through the Green Schools program. | YES | Elementary students | x | x | | | | | | | | | | | | Annually | Macomb County Board of Commissioners | Have at least 10 participants per year. |

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| Green Macomb | The Macomb County Department of Planning & Economic Development is developing a new initiative to support green infrastructure efforts that strengthen the economic vitality, quality of life, and environmental wellbeing for those visiting, living, and working in Macomb County. | YES | General Public | x | x | x | | | | | | | | | | | Annually | Macomb County Planning and Economic Development | Plant 50 trees a year and attend one event per year. |
| HEART Freshwater Center | The HEART Freshwater Center is a unique alliance of agencies working together to study the Huron to Erie Corridor through research, education and training. The purpose of this research is to improve the ecosystems of these water bodies and the quality of life for the people who use them. | YES | General Public | x | x | | | | | | | | | | | | Annually | Macomb County Health Department | Work with lab two times a year on water quality event/testing. |
| Oakland County Specific Activities | | | | | | | | | | | | | | | | | | | |
| Regional Stormwater Summit | This annual event, which debuted in 2013, features presentations on stormwater and watershed initiatives in the southeast Michigan and the Great Lakes region that are relevant in helping communities work together and gain insight into addressing the region's stormwater and watershed management challenges. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | | | | | | | | | Annually in the Fall (September/October) | Oakland | Maintain a minimum 100 participants annually from southeast MI |
| Bulletin Boards | Bulletin boards in the WRC Public Works Building main lobby and framed posters in the vestibule of the WRC Water and Sewer Billing Office in Waterford are posted with information developed by the Southeast Michigan Partners for Clean Water on the "Seven Simple Steps to Clean Water" topics. Other related information is posted and/or materials are placed on the front desk of the Public Works Building main lobby for the public/county employees to take. | YES | General public, CVTs, county employees within Oakland County | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | Topics posted are tracked in an excel spreadsheet available upon request. Topics posted will be reported annually |
| Dirt Doctors Program | The Dirt Doctors Program is an interactive program facilitated by WRC staff geared towards 4th and 5th grade students and teaches youth about how individual actions affect our waterways. The program focuses on the importance of soil erosion prevention and watershed stewardship. | YES | Oakland County 4th-12th grade students, teachers and chaperones | x | x | x | | x | | | | x | x | x | | | Annually | Oakland | Minimum of 25 programs annually. Number of students reached, events attended by staff, and presentations given will be tracked and reported. |
| Drain Detectives Program | The Drain Detectives Program is an interactive program facilitated by WRC staff geared towards 4th through 12th grade students. It teaches students how pollution can get into our waterways, what to look for, how to detect it and how to trace the source of the pollution. Students learn how they can help prevent pollution and how to report pollution incidents through Oakland County's 24-Hour Pollution Hotline. Students also learn how water and pollution travel through the watershed. | YES | Oakland County 4th-12th grade students, teachers and chaperones | x | x | | | x | x | | | x | x | x | x | x | Annually | Oakland | Minimum of 5 programs over the permit cycle. Metrics on number of students reached, events held, and presentations given will be tracked and reported. |
| Enviroscape Watershed Model Program | The Enviroscape watershed model teaches students about watersheds and how individual actions affect our waterways, as well as how pollution moves throughout a watershed. Students are taught how to prevent pollution through everyday actions. The model is programming is facilitated by WRC staff The Enviroscape is also made available to the public to borrow for presentations. | YES | General public, Oakland County students | x | x | x | x | x | x | x | x | x | x | x | x | | Annually | Oakland | Minimum of 10 programs annually. Metrics on number of students reached, events held, and presentations given will be tracked and reported. |

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| E-newsletter Articles | <p>WRC releases an electronic newsletter to the public, CVTs, elected officials and county employees on a quarterly basis (the E-newsletter has taken the place of the WRC Watermark newsletter).</p> <p>This newsletter keeps Oakland County communities informed on the many projects and services provided by the WRC and highlights some of the WRC's ongoing projects and services. It also provides updates about the evolving role of the WRC office.</p> | YES | General public, CVTs, elected officials, and county employees in Oakland County | x | x | x | x | x | | | | | | | | | | Published quarterly | Oakland | Minimum of 4 newsletters annually. Environmental articles published in E-newsletter and number of people receiving E-newsletter will be tracked and reported. |
| Household Hazardous Waste Information | <p>Continue to publicize information on the NO HAZ, Resource Recovery and Recycling Authority of Southwest Oakland County (RRRASOC) and Southeastern Oakland County Resource Recovery Authority (SOCRRA) programs to citizens and employees of Oakland County on WRMD's website (https://oakgov.com/community/health/health-a-z/information-a-z/hazardous-materials-and-household-waste). NO HAZ, RRRASOC and SOCRRA provide safe disposal of household hazardous waste to Oakland County municipalities to the maximum extent practicable (as budget allows).</p> <p>The WRC will continue to distribute HHW brochures.</p> <p>WRC also provides an ad on household hazardous waste disposal in the Lakefront Lifestyles magazine and has information in its Waterfront Wisdom publication and on their website at www.oakgov.com/riparian.</p> | YES | Residents | x | x | | | | | | | | | | | | | Annually | Oakland | <p>Maintain working links to Web sites and track number of website hits annually.</p> <p>Number of brochures distributed will be tracked and reported.</p> <p>Hold a minimum of four collection events per year.</p> <p>Collect and properly dispose of a minimum of 200,000 pounds of household hazardous waste per year.</p> <p>Total pounds of waste collected through recycling programs will be tracked and reported.</p> |
| Kids' Clean Water Calendar Contest | <p>The Kids' Clean Water Calendar contest is open to 4th and 5th grade students in all schools within Oakland County. Themes for drawing entries surround the Seven Simple Steps to Clean Water campaign topics developed by SEMCOG. The contest promotes the students to learn about watershed stewardship and how our daily actions impact our waterways. Contest details are available on WRC's website at: www.oakgov.com/calendarcontest</p> | YES | General public, Oakland County 4th and 5th grade students | x | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | <p>Achieve participation of a minimum of 600 students per year. Number of student entries will be tracked and reported, as well as number of schools and school districts that participate.</p> <p>Distribute a minimum of 5,000 calendars per year throughout Oakland County, with total distributed tracked and reported.</p> |
| Natural Resources Education Program | <p>Special programs are offered by Oakland County Parks and Recreation Commission (OCPRC) staff throughout the year which provide opportunities for the community to participate in ongoing stewardship efforts. Programs take place at the Oakland County Parks as well as other locations in Southeast Michigan.</p> | YES | General public, visitors to the area | x | x | x | | | | | | | | | | | | Annually | Oakland | <p>Hold a minimum of 10 stewardship events per year with participation from a minimum of 200 individuals per year.</p> <p>Number and types of events held will be tracked and reported, as well as total participants involved in stewardship activities.</p> |

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| Oakland County Environmental Stewardship and Water Resource Web sites | <p>WRC, EDCA, OCPRC and MSU-Extension Oakland County maintain environmental stewardship and/or water resource information on their websites at: EDCA: https://www.oakgov.com/community/community-development/environmental-stewardship WRC: www.oakgov.com/riparian WRC 24-Hour Pollution Hotline: https://oakgov.com/government/water-resources-commissioner/stormwater/24-hour-pollution-hotline OCPRC: https://oakgov.com/community/oakland-county-parks/get-involved/natural-resources-management MSU-Extension: https://www.oakgov.com/msu/programming/Pages/natural-resources.aspx</p> <p>In FY 2018, Oakland County Information Technology developed a Seven Simple Steps to Clean Water Story Map and that is available at: https://oakgov.maps.arcgis.com/apps/Cascade/index.html?appid=1676f95c659d408e94bf73096db93387; a link to the Story Map is on WRC's "Seven Simple Steps to Clean Water" website at: https://oakgov.com/government/water-resources-commissioner/resources/education/seven-simple-steps-to-clean-water. The page also promotes the 24-Hour Pollution Hotline and viewers can explore land use changes from 1940 vs. 2017 imagery within Oakland County.</p> | YES | General public, CVTs, county employees | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland MSUE Oakland | Provide working links to Web sites and track number of website hits annually. Outreach may include parts or all of CRWC-developed templates as practicable. |
| Facebook Advertisements | <p>Public education messages in line with SEMCOG's Seven Simple Steps to Clear Water are posted on Facebook.</p> <p>The ads also link up to WRC's Seven Simple Steps to Clear Water Storymap, found at https://oakgov.maps.arcgis.com/apps/Cascade/index.html?appid=1676f95c659d408e94bf73096db93387</p> | YES | General public, riparian landowners | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | April through September | Oakland | Publicize at least three (3) different topics in ads per year, reaching a minimum of 10,000 readers per year. Metrics such as number of people viewing the ads, number of times the ad appeared on someone's page, and link clicks will be tracked and reported. |
| Publicize Environmental-Related Events | <p>Publicize environmental stewardship and other relevant environmental activities to WRC staff and the general public in WRC's main office lobby, the WRC's Facebook page and its website at: https://www.oakgov.com/government/water-resources-commissioner/about/events</p> <p>Oakland County Parks posts event on its website at: https://www.oakgov.com/community/oakland-county-parks/events</p> | YES | General Public, visitors to the area, WRC staff | | x | | | | | | | | | | | | | | | | | | | | Annually | Oakland | Publicize a minimum of 20 natural-resource related events per year. Number of events publicized will be tracked and reported. Maintain working links to Web sites and track number of website hits annually. |
| Recreational Vehicle Waste Dumpsites | <p>Post links and/or locations to recreational vehicle (RV) waste dumpsites in the region on SEMCOG's Ours to Protect website at: https://www.semco.org/protect-our-waterways#770118-what-you-can-do-with-household-hazardous-waste and provide a link to Michigan RV dump sites (https://www.rvdumps.com/category/dump-stations/?tag=michigan&orderby=title&order=asc) on Oakland County Waste Resource Management Division's website at: https://www.oakgov.com/community/community-development/waste-recycling/waste-recycling-resources.</p> | YES | Residents, visitors to the area | x | | x | | | | | | | | | | | | | x | | | | | | Annually | Oakland | Provide working links to websites and track number of website hits annually |

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| Riparian Information Distribution | Distribute riparian landowner educational material (i.e. Waterfront Wisdom brochure) at events, meetings, and through mailings. Maintain WRC's riparian education Web site (www.oakgov.com/riparian) | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | Maintain working links to Web sites and track number of website hits annually Distribute a minimum of 100 Waterfront Wisdom booklets per year |
| Solid Waste Plan | Continue to implement Oakland County's Solid Waste Plan which establishes an enforceable program and processes that when implemented will minimize future adverse impacts upon public health, the environment and the landscape as a result of the generation, handling, processing and disposal of Act 451, Part 115 non-hazardous solid wastes. Information is available at: https://www.oakgov.com/community/community-development/waste-recycling/solid-waste-plan | YES | Residents | | x | | | | | | | | | x | x | x | Annually | Oakland | Updates on the status of Solid Waste Plan update will be provided, as well as a working link to website. Number of hits will be tracked and reported annually. |
| Inland Lake Natural Shoreline/Education Program | EGLE and MSU-Extension have spearheaded the development of the Michigan Natural Shoreline Partnership (MNSP). Each year, education and outreach is provided to inland lake homeowners and shoreline landscape contractors on the following topics: the importance of natural shoreline landscapes on Michigan's inland lakes, healthy lake ecosystems, understanding the shoreline, shoreline invasive plants, planning a natural shoreline landscape, design ideas for a natural shoreline landscape, plant selection, planting stock and site preparation, natural shoreline success, and Michigan rules and regulations. Information about the Partnership is available online at: https://www.shorelinepartnership.org/ | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | Oakland | Continue to promote the Partnership within Oakland County, and provide a working link on WRC's website. |
| Operation Medicine Cabinet | The Oakland County Sheriff's Office launched "Operation Medicine Cabinet" in July of 2009 to provide citizens a venue to properly dispose of expired and/or unused prescriptions at several different locations throughout Oakland County. This program helps to reduce the environmental impacts of prescription drugs in our waterways that can have detrimental effects on fish, frogs and other aquatic life. Additional information on the program can be found at: https://www.oakgov.com/government/sheriff/community-services/domestic-safety/-fsiteid-1#!/ . Locations for drop off can be found at: https://www.arcgis.com/apps/webappviewer/index.html?id=db4052d9ca5c4e1798a7dfd2a54e3c25&extent=-9341279.7526%2C5233897.9551%2C-9223872.4772%2C5287021.6897%2C102100 | YES | General public | | | | | | | | | | | | x | | Annually | OC Sherriff's office and participating CVT's | Maintain participation of a minimum of 20 drop-off sites throughout Oakland County. Track and report on number and location of participating CVTs. Provide working link to website and track number of website hits annually. |
| Green Stormwater Infrastructure (GSI) Education | The WRC will provide education on GSI topics such as the benefits of rain gardens, native plants, trees and rain barrels as a means of reducing the quantity of stormwater runoff and improving the quality of our water resources, while at the same time improving wildlife habitat and aesthetics. The WRC also hosts a website on GSI: https://oakgov.com/government/water-resources-commissioner/stormwater/green-infrastructure | YES | General public, CVTs, elected officials, county employees | x | x | x | | | | | | | | | | x | Annually | Various groups across SE MI, including Oakland County WRC and CRWC | Participate in one virtual Master Rain Gardener Certification Training Course each year. Track and report number of Master Rain Gardener class participants. Maintain working links to websites promoting the use and benefits of GSI. Track and report number of website hits. |

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| Invasive Species Management and Education and Outreach | Invasive species management is an important topic in Oakland County - namely in regard to the inland invasive plant, Phragmites australis, and numerous aquatic invasive plants. Often, residents are looking for direction on how to manage these invasive species and these requests are fulfilled in a variety of ways, including printed materials, websites and workshops. The Oakland County CISMA is a partnership of county and local governments, non-profit organizations and universities with a focus on managing the spread of numerous invasive species. Information on the Oakland County Cooperative Invasive Species Management Area (CISMA) is available online at: https://oaklandinvasivespecies.org/ | YES | Residents | x | | | | | | | | | | | | | Annually | WRC OCPRC EDCA RCOC Other partners in Oakland County: Oakland County CISMA MI Dept. of EGLE | Track and report invasive species management practices implemented on Oakland County properties and number of requests for information regarding invasive species management. Provide working links to websites with invasive species information. |
| Community Specific Activities | These items are to be reported by the communities in the SWMP. ALL items will be implemented by each community. | | | | | | | | | | | | | | | | | | |
| Presentations and Displays | Provide displays and presentations for water quality-related events upon request and availability of staff time display to public at least once in the next 5 years. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Minimum of once during 5-year permit cycle | MS4 Permittees; CRWC | Permittees will host display once during permit cycle |
| Regional Public Education Materials | Distribute resources available from SEMCOG including: Seven Simple Steps to Clean Water brochures, tip cards and kids activity sheets. Topics include: fertilizer, car care, pet care, household hazardous waste disposal, earth-friendly landscaping, water conservation and storm drain awareness. Materials are available on the Ours to Protect Website. at http://www.semco.org/ourstoprotect.aspx | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | MS4 Permittees; CRWC | CRWC will distribute educational materials (pamphlets, brochures, tip cards) on request from MS4 permit communities, on various topics at community facilities and events. MS4 communities have an excel spreadsheet to track distribution. |
| Subwatershed Website | Hosted by CRWC website; features subwatershed map, photos, description, events and links to education resources. MS4 permittees will provide links to the CRWC website of their own websites. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Continuous | MS4 Permittees; CRWC | Permittees will provide working links to Web sites. MS4 permit communities have an excel document to track link locations and website hits. |
| Community Information | Write or distribute articles about watersheds, green infrastructure, watershed friendly practices for homeowners, and other stormwater pollution related topics for publication into existing municipal newsletters, e-newsletters and websites; Four articles per year will be given to MS4 permittees from CRWC for publication in newsletters and other publications. MS4 permittees will distribute these article to the public each year via print or digital media. | YES | Citizens including the general public and county and municipal employees | x | x | x | x | x | x | x | x | x | x | x | x | x | Annually | MS4 Permittees; CRWC | Permittees will distribute via print or digital media 4 articles per year, with articles provided by CRWC. Social media templates created by CRWC should be used to meet this goal as practicable. |
| Household Hazardous Waste Information | Permittees will provide working links to websites with information on household hazardous waste disposal, either through municipal programs or through county-wide programs. Examples include information on Macomb County Health Department waste drop off dates, Operation Medicine Cabinet information, NO HAZ website links, etc. | YES | Residents | x | x | | x | | | | | | | | | | Continuous | MS4 Permittees | Permittees will provide working links to websites. MS4 permit communities have an excel document to track link locations and website hits. |

| | | | | | | | | | | | | | | | | | | | | |
|--|---|-----|--|---|---|---|---|---|---|---|---|---|---|---|---|--|--|---------------------------------------|---|---|
| Recreational Vehicle Waste Dumpsites | Post links and/or locations to recreational vehicle (RV) waste dumpsites in the region on Southeast Michigan Council of Government's (SEMCOG) Ours to Protect Web site at: www.semco.org/OursToProtect_HouseholdWaste.aspx or provide a link to Michigan RV dump sites (https://www.rvdumps.com/category/dump-stations/?tag=michigan&orderby=title&order=asc) on Oakland County Waste Resource Management Division's Web site at: www.oakgov.com/waste/ . MS4 may add this to their SWMP | YES | Residents, visitors to the area | x | x | | x | | | | | | | | | | | | MS4 Permittees | Provide working links to websites and track number of hits. MS4 permit communities have an excel document to track link locations and website hits. |
| Riparian Information Distribution | Distribute riparian landowner educational material (i.e. Waterfront Wisdom brochure) make available to their public via mailings or through their website. events, meetings, and through mailings. MS4 may add this to thier SWMP Maintain WRC's riparian education Web site (www.oakgov.com/riparian) | YES | General Public, Riparian Landowners | x | x | x | x | x | x | x | x | x | x | x | | | | | MS4 Permittees | Provide working link to website and track number of hits. MS4 permit communities have an excel document to track link locations and website hits. |
| Stormwater Education: Industrial and Commercial Facilities | CRWC will provide educational materials and BMP fact sheets to industrial and commercial facilities. Target 2 industrial/commercial sectors per year. | YES | Employees and property owners at industrial and commercial facilities. Property developers, planners, engineers. | | | | | | | | | | | x | x | | | Macomb; Oakland; CRWC; MS4 Permittees | CRWC will target 2 sectors per year and distribute BMP fact sheets through annual email blast to designated contact at each facility. MS4 permittees will assist with distribution to local businesses as practicable. Track distribution via list of businesses and emails sent. | |

APPENDIX B

Community Tracking Spreadsheet

Contents

Community Tracking Spreadsheet for 2024

Community Tracking Spreadsheet for 2025

Regional Public Education Materials (continued)

| Title | Date | Location | Quantity | Method of Distribution |
|-------|------|----------|----------|------------------------|
| | | | | |
| | | | | |

Commercial and Industrial Business Education and Outreach - Please track your distribution of any BMPs and other educational materials below targeting businesses or industry (quantity, method, etc.).

| Targeted Sector | BMP(s) | Date | Quantity | Method of Distribution | Link to web publication (if applicable) |
|-----------------|--------|------|----------|------------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Website Checklist - the following links must be displayed and in working order in an easy to access/locate page on your individual community/district website.

| Household Hazardous Waste (By County) | Paste Link to your Webpage below where link is displayed | # of Hits |
|---------------------------------------|---|-----------|
| Oakland | https://www.oakgov.com/community/community-development/waste-recycling | |
| Macomb | https://www.macombgov.org/departments/health-department/environmental-health-services/environmental-management-1 | |
| Wayne | https://www.waynecounty.com/departments/environmental/landresources/household-hazardous-waste.aspx | |

APPENDIX C

Letters of Commitment

Contents

Macomb County Public Works Office Letter 2024

Oakland County Water Resource Commissioner Letter 2024

Michigan State University Extension Letter 2024

Macomb County Public Works Office Letter 2025

Oakland County Water Resource Commissioner Letter 2025

Michigan State University Extension Letter 2025



Candice S. Miller

Public Works Commissioner
Macomb County

March 15, 2023

Lishba Varughese
Christine Caddick
EGLE-Water Resources Division
Southeast Michigan District Office
27700 Donald Court
Warren, MI 48093

RE: Watershed-wide Public Education Plan Submittal for the Clinton River Watershed

Dear Lishba Varughese & Christine Caddick:

The Macomb County Public Works Office is writing to affirm its commitment to assist communities in implementing the collaborative Public Education Plan (PEP) that has been developed for the storm water permit holders within the Clinton River Watershed.

The Macomb County Public Works Office understands that the PEP is a requirement of the National Pollutant Discharge Elimination System (NPDES) permit administered by the Michigan Department of Environmental Quality. The permit regulates stormwater discharges from municipal separate storm sewer systems, in compliance with the provisions of the Federal Water Pollution Control Act (Clean Water Act), as amended (33 U.S.C. 1251 et seq), and Michigan Act 451, Public Acts of 1994, as amended, Parts 31 and 41.

The Macomb County Public Works Office is included as a responsible party for the implementation of a variety of actions in the PEP because many of our activities and programs offer excellent opportunities for engaging the public in watershed education and environmental stewardship.

If you have any questions, please feel free to contact Jeff Bednar, Environmental Resources Manager, at jeff.bednar@macombgov.org or (586)493-0685.

Sincerely,

A handwritten signature in cursive script that reads "Candice S. Miller".

Candice S. Miller, Commissioner
Macomb County Public Works

March 7, 2023

Ms. Lishba Varughese
Ms. Christine Caddick
EGLE – Water Resources Division
Southeast Michigan District Office
27700 Donald Court
Warren, MI 48093

RE: Watershed-wide Public Education Plan Submittal for the Clinton River Watershed

Dear Ms. Varughese and Ms. Caddick:

The Oakland County Water Resources Commissioner's Office (WRC) is writing to affirm its commitment to assist communities in implementing the collaborative Public Education Plan (PEP) that has been developed for the stormwater permit holders within the Clinton River Watershed.

The WRC recognizes that the PEP is a requirement of the National Pollutant Discharge Elimination System (NPDES) administered by the Michigan Department of Environment, Great Lakes and Energy (EGLE). The permit regulates stormwater discharges from municipal separate storm sewer systems, in compliance with the provisions of the Federal Water Pollution Control Act (Clean Water Act), as amended (33 U.S.C. 1251 et seq), and Michigan Act 451, Public Acts of 1994, as amended, Parts 31 and 41.

Oakland County is included as a responsible party for the implementation of a variety of actions in the PEP because many of our activities and programs offer excellent opportunities for engaging the public in watershed education and environmental stewardship.

If you have any questions, please feel free to contact me at 248-858-5264.

Sincerely,



Jacy L. Garrison
Environmental Planner

March 21, 2023

Ms. Kaleigh Snoddy
Clinton River Watershed Council
1115 W Avon Rd.
Rochester Hills, MI 48309

Re: Clinton River Watershed Collaborative Public Education Plan

Dear Ms. Snoddy,

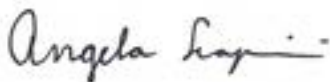
The Michigan State University (MSU) Extension assists communities in water related education programs that can be helpful in implementing the collaborative Public Education Plan (PEP) that has been developed for the stormwater permit holders within the Clinton River Watershed.

MSU Extension recognizes that the PEP is a requirement of the National Pollutant Discharge Elimination System (NPDES) administered by the Michigan Department of Environmental Quality. The permit regulates stormwater discharges from municipal separate stormwater sewer systems, in compliance with the provisions of the Federal Water Pollution Control Act (Clean Water Act), as amended (33 U.S.C. 1251 et seq), and Michigan Act 451, Public Acts of 1994, as amended, Parts 31 and 41.

MSU Extension is included as a responsible party for the implementation of a variety of actions in the PEP because many of our activities and programs offer excellent opportunities for engaging the public in watershed education and environmental stewardship. Furthermore, the programming and resources offered are science-based and delivered through a collaboration of academic staff, specialists, and faculty from Michigan State University in partnership with local organizations and agencies. When possible, programming is offered as both classroom and field-based learning opportunities, and is tailored to meet the specific areas of interest and needs of the target audience. These programs may include the Water Conservation Program, Summer Discovery Cruises, and Michigan Conservation Stewards Program.

If you have any questions, please feel free to contact me at (586) 469-5060 or scapinia@msu.edu.

Sincerely,



Angela Scapini
Extension Program Worker
Michigan Sea Grant, MSU Extension



Heather Triezenberg
Associate Director & Program Leader
Michigan Sea Grant, MSU Extension

Cc: Ed Scott, District 11 Director, MSU Extension
Dave Ivan, Director, Community, Food, and Environment Institute, MSU Extension



March 13, 2025

Lishba Varughese
Christine Caddick
EGLE – Water Resources Division
Southeast Michigan District Office
27700 Donald Court
Warren, MI 48093

Re: Clinton River Watershed Collaborative Public Education Plan

Dear Lishba Varughese & Christine Caddick:

The Macomb County Public Works Office is writing to affirm its commitment to assist communities in implementing the collaborative Public Education Plan (PEP) that has been developed for the stormwater permit holders within the Clinton River Watershed.

The Macomb County Public Works Office understands that the PEP is a requirement of the National Pollutant Discharge Elimination System (NPDES) administered by the Michigan Department of Environmental Quality. The permit regulates stormwater discharges from municipal separate stormwater sewer systems, in compliance with the provisions of the Federal Water Pollution Control Act (Clean Water Act), as amended (33 U.S.C. 1251 et seq), and Michigan Act 451, Public Acts of 1994, as amended, Parts 31 and 41.

The Macomb County Public Works Office is included as a responsible party for the implementation of a variety of actions in the PEP because many of our activities and programs offer excellent opportunities for engaging the public in watershed education and environmental stewardship.

If you have any questions, please feel free to contact Jeff Bednar, Environmental Resources Manager at jeff.bednar@macombgov.org or 586-493-0685.

Sincerely,

Candice S. Miller
Macomb County Public Works Commissioner

March 4, 2025

Ms. Lishba Varughese
Ms. Christine Caddick
EGLE – Water Resources Division
Southeast Michigan District Office
27700 Donald Court
Warren, MI 48093

Re: Clinton River Watershed Collaborative Public Education Plan

Dear Ms. Varughese and Ms. Caddick,

The Oakland County Water Resources Commissioner's Office (WRC) is writing to affirm its commitment to assist communities in implementing the collaborative Public Education Plan (PEP) that has been developed for the stormwater permit holders within the Clinton River Watershed.

The WRC recognizes that the PEP is a requirement of the National Pollutant Discharge Elimination System (NPDES) administered by the Michigan Department of Environment, Great Lakes and Energy. The permit regulates stormwater discharges from municipal separate stormwater sewer systems, in compliance with the provisions of the Federal Water Pollution Control Act (Clean Water Act), as amended (33 U.S.C. 1251 et seq), and Michigan Act 451, Public Acts of 1994, as amended, Parts 31 and 41.

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If you have any questions, please feel free to contact me at 248-858-5264.

Sincerely,



Jacy L. Garrison
Senior Environmental Planner

MICHIGAN STATE UNIVERSITY | **Extension**

March 14, 2025
Ms. Kaleigh Snoddy
Clinton River Watershed Council
1115 W Avon Rd.
Rochester Hills, MI 48309

Re: Clinton River Watershed Collaborative Public Education Plan

Dear Ms. Snoddy,

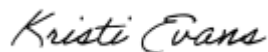
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MSU Extension is included as a responsible party for the implementation of a variety of actions in the PEP because many of our activities and programs offer excellent opportunities for engaging the public in watershed education and environmental stewardship. Furthermore, the programming and resources offered are science-based and delivered through a collaboration of academic staff, specialists, and faculty from Michigan State University in partnership with local organizations and agencies. When possible, programming is offered as both classroom and field-based learning opportunities, and is tailored to meet the specific areas of interest and needs of the target audience. These programs may include the Water Conservation Program, Summer Discovery Cruises, and Michigan Conservation Stewards Program.

If you have any questions, please feel free to contact me at evanskr1@msu.edu.

Sincerely,



Kristi Evans
District Director
District 11
Michigan State University



Dave Ivan
Community, Food &
Environment Institute Director
Michigan State University



MSU EXTENSION

Macomb County
21885 Dunham Rd
VerKuijen Building #12
Macomb, MI 48036

Phone: 586-469-5180
msue.msu.edu

APPENDIX D

Educational Outreach Materials

Contents

5 Commercial BMP Fact Sheets

8 additional residential focused Fact Sheets provided

Social Media templates provided



CRWC

CLINTON RIVER WATERSHED COUNCIL



YARD WASTE DISPOSAL SITE BEST MANAGEMENT PRACTICES (BMPS)

When rain falls and snow melts, the runoff produced picks up a variety of contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks and lawns. Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our local rivers and streams.

HOW DO YARD WASTE DISPOSAL BUSINESSES CONTRIBUTE TO STORMWATER POLLUTION?

- Sediment and compost material runoff.
- Equipment maintenance runoff.
- Improper waste handling.

PROPERLY MAINTAIN EQUIPMENT

- Wash equipment and vehicles in covered area with drainage system, never rinse into storm drains
- Be cautious when refueling equipment to avoid spills
 - Keep spill kits on site, never hose gasoline spills down the drain
 - Spills are hazardous waste, which needs to be taken to a disposal center
- Store equipment away from storm drains and check regularly for leaking fluids
- Educate staff on connection of storm drains to local water bodies



CONTROL SEDIMENT WASHOUT

- Consider covering areas storing masonry materials, gravel, sand, dirt, and yard waste
 - Cover with tarps
 - Construct lean-to structures for long term storage
- Utilize storm drain covers when protected outdoor storage isn't feasible





CRWC

CLINTON RIVER WATERSHED COUNCIL



DRY CLEANING BEST MANAGEMENT PRACTICES (BMPS)

When rain falls and snow melts, the runoff produced picks up a variety of contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks and lawns. Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our local rivers and streams.

HOW DO DRY CLEANING BUSINESSES CONTRIBUTE TO STORMWATER POLLUTION?

- Incorrect storage of used and new cleaning fluids.
- Improper discharge of wastewater.
- Improper cleaning of work sites.

PROPERLY MAINTAIN EQUIPMENT

- Check hoses, couplings, pumps, valves and gaskets frequently for leaks. Use a halogenated leak detector (~\$250) to help identify leaks. Repair leaks promptly.
- Update technology to wet cleaning, liquid carbon dioxide and silicone-based cleaning machines.
- Allow drying cycle to complete before opening the door. "Short cycling" reduces the effectiveness of solvent recovery equipment and increases fugitive emissions of solvents from the machine.
- Replace cartridge filters with spin disk filters that can be cleaned without opening.
- Cover containers of solvents to reduce solvent loss from evaporation and fugitive emissions of toxic air pollutants and VOC. This reduces worker exposure and releases of these pollutants to the outside air.
- Prevent spills by dispensing materials with pigots and pumps.



MODIFY PROCESSES

- Reduce process vent emissions by using a closed loop dry-to-dry machine with a refrigerated condenser. The addition of a carbon adsorber can further reduce emissions by recovering solvents.
- Load the machine properly. Overloading reduces the effectiveness of solvent recovery equipment. Underloading makes less efficient use of the solvent.
- Recover solvents from filter cartridges by draining the filters for 24 hours in the filter housing to capture additional solvent before disposal.
- Install spill containment structures under and around your dry-cleaning machine.
- Evaluate investment in a closed-loop dry-to-dry machine or other innovative cleaning technologies. Compare initial costs with savings, over time, in lower raw material and hazardous disposal costs.



DRY CLEANERS

BEST MANAGEMENT PRACTICES

BEST MANAGEMENT PRACTICES (BMP): Behaviors and practices used by individuals to prevent or reduce stormwater pollution impacts.

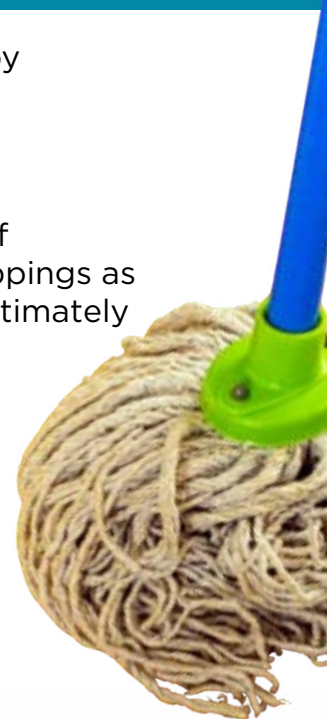
WHAT IS STORMWATER POLLUTION?

When rain falls and snow melts, the runoff produced picks up a variety of contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks, and lawns. Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our local rivers and streams.

HOW DO DRY CLEANERS CONTRIBUTE TO STORMWATER POLLUTION?

- Incorrect storage of used and new cleaning chemicals can spill and be washed down the storm drain.
- Improper discharge of wastewater into storm drains.



CHEMICAL SPILLS: Never hose oil or other chemical spills down the drain. Use a spill kit to quickly clean spills and put waste into the trash.

EDUCATE STAFF: Teach staff proper handling, storage and disposal of supplies, how to use a spill kit, and where storm drains are located on the property.

DRY MOP METHOD: Use a dry mop to soak up spills or cover in sawdust or kitty litter and sweep.

CHEMICAL DISPOSAL: Practice proper disposal of chemicals via certified receptacles.

AIR POLLUTION: Perchloroethylene is a known toxic air pollutant. When it rains water particles collect bits of air pollutant and pull it into the water system. Allow drying cycle to complete to reduce fumes.

CONTROL LITTER: Be sure workspace and surrounding areas such as parking lots are free of litter, debris and scraps that could end up in storm drains.



MAINTAIN EQUIPMENT

- Check hoses, couplings, pumps, valves and gaskets frequently for leaks. Use a halogenated leak detector (~\$250) to help identify leaks.
- Repair leaks promptly.
- Update technology to wet cleaning, liquid carbon dioxide and silicone-based cleaning machines.
- Allow drying cycle to complete before opening the door. “Short cycling” reduces the effectiveness of solvent recovery equipment and increases fugitive emissions of solvents from the machine.
- Replace cartridge filters with spin disk filters that can be cleaned without opening.
- Cover containers of solvents to reduce solvent loss from evaporation and fugitive emissions of toxic air pollutants and VOC. This reduces worker exposure and releases of these pollutants to the outside air.
- Prevent spills by dispensing materials with spigots and pumps.

An on-site distillation unit may recover as much as 90% of solvents used. This reduces solvent purchases and disposal costs. — U.S. EPA



MODIFY PROCESSES

- Reduce process vent emissions by using a closed loop dry-to-dry machine with a refrigerated condenser. The addition of a carbon adsorber can further reduce emissions by recovering solvents.
- Load the machine properly. Overloading reduces the effectiveness of solvent recovery equipment. Underloading makes less efficient use of the solvent.
- Recover solvents from filter cartridges by draining the filters for 24 hours in the filter housing to capture additional solvent before disposal.
- Install spill containment structures under and around your dry-cleaning machine.
- Evaluate investment in a closed-loop dry-to-dry machine or other innovative cleaning technologies. Compare initial costs with savings, over time, in lower raw material and hazardous disposal costs.

A list of these small business assistance programs can be found at [epa.gov/smallbusiness](https://www.epa.gov/smallbusiness).



MARINA/BOATERS BEST MANAGEMENT PRACTICES

WHAT IS STORMWATER POLLUTION?

When rain falls and snow melts, the runoff picks up contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks, and lawns. Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our rivers and streams.



HOW DO MARINAS CONTRIBUTE TO STORMWATER POLLUTION?

- Water quality is impacted when bilge water is improperly discarded, fuel is spilled, sewage is emptied, or the boat is washed. These activities can negatively impact our waterways by introducing the following materials.
 - Nutrients, metals, solids, toxins, endocrine disrupters, and pathogens.
- Movement of aquatic invasive species between bodies of water



PREVENTATIVE CARE

- Pull boats from water while not in use and store in a garage or cover with a breathable tarp.
- Check the engine, change oil, and clean and replace battery when needed (batteries are recyclable at drop-off locations).

POLLUTION PREVENTION

- Remove boats from water before working on maintenance.
- Polish fiberglass to maintain finish and prevent chipping while in water.
- Clean boats at designated wash stations or in the grass with biodegradable soap.
- Do not use abrasive cleaning chemicals such as bleach or petroleum-based products that can strip coating and release toxins.
- Michigan is a non-discharge state for sewage in any body of water.
- Use marina bathroom facilities. If an onboard facility is used, dump at pump out stations. Dump locations (michiganseagrant.org/michiganpumpouts/boaters/)
- It is illegal to dump garbage into any state or federally controlled waters. Many forms of litter can kill birds, fish and marine mammals.
- On boats larger than 26 feet, you must display a Garbage Disposal Placard.

SPILL PREVENTION AND NOTIFICATION

- Refuel on land. If refueling at a marina, make sure the pump has a portable fuel container.
- All marinas with more than 15 slips are required by Michigan law to have shut off valves and closures which can reduce harmful gasoline fumes by 75% and reduce losses due to evaporation.
- When available, use a power ventilation system for 4 minutes after fueling to remove gas vapors in bilge. This is to avoid explosions by removing flammable gases.
- Do not fill to the top as fuel can expand.
- Avoid refueling at night.

AVOID CAUSING EROSION

- Do not dock in grass or reeds.
- Michigan law dictates a 100 feet “no wake zone;” go slow within 100 feet of shore, docks, swimmers, or while in streams/rivers.
- Do not operate in less than 24 inches of water.

INVASIVE SPECIES CONTROL

- With or without seeing invasive species, always RINSE your vessel before you leave one body of water to go to another and DUMP all water from bilges, ballast tanks, and live wells. IT IS THE LAW.
- If your bilge water contains oils or other fluids from a leak onboard, empty this bilge water into a container for disposal at a marina or hazardous waste disposal site.
- Do not release unused live bait or transfer live fish between bodies of water.
- Report invasives here: michiganinvasives.org/report/.

POOLS AND SPLASH PADS BEST MANAGEMENT PRACTICES

WHAT IS STORMWATER POLLUTION?

When rain falls and snow melts, the runoff picks up contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks, and lawns.

Stormwater runoff ultimately flows into storm drains which leads directly to our local rivers and streams.



HOW DO POOLS & SPLASH PADS CONTRIBUTE TO STORMWATER POLLUTION?

- Mismanagement can lead to stormwater contamination from chlorine, bromine, and other chemicals which are toxic to fish and other aquatic life.
- Improper wastewater disposal can threaten public health or safety, and/or become a nuisance.
- An influx of water to ecosystems can lead to flooding, ponding and/or erosion.



PREVENTATIVE CARE

- Know where your water discharges to.
- Keep pools covered when not in use to avoid evaporation and retain heat.
- Fix leaks promptly.



POOL WASTEWATER

- Ensure that your wastewater treatment facility is able to receive your pool's volume of water.
- If a sanitary sewer system is not available, apply for a surface water discharge permit with the Department of Environmental, Great Lakes and Energy (EGLE). Discharging to surface water without a permit will lead to a dispute resolution action from EGLE.
- Dechlorinate before draining. Use a chlorine neutralizer.
- Don't discharge hot water. Let heated water cool before discharging.
- Discharge between rain events to permitted surface water slowly, in increments, to prevent erosion. Do not discharge to an adjacent property.

BACKWASH FILTER WASTEWATER

- Waste water from filter backwash may contain heavy metals, bacteria, viruses, microorganisms, chlorine, bromine, algaecides, dirt and/or sand.
- If you have access, directly drain backwash to a sanitary sewer system.
- Sand filter backwash discharges: Direct the first 30 seconds and the remaining to your primary discharge location or sanitary sewer system.
- Diatomaceous earth filters and perlite filters: Route the entire filter cleaning volume to a sanitary sewer system or holding tank, or use settling treatment.

ADDITIONAL STEPS

- Store chemicals indoors where there is no risk of spilling. When containers are empty, rinse them in the sink.
- Discard solid waste such as dirt and leaves saturated with chlorinated water, filtered backwash, or waste from strainer baskets to the trash.
- Wastewater from pool showers etc. must enter a sanitary sewer system.
- Save water with a grey water recycler or harvest rainwater.
- Rinse filter parts in a sink.
- Send pool deck water to your sanitary sewer system.

For more information: EGLE Surface Water Discharge Permit - [MIG760000 Public Swimming Pool Wastewater](#) or scan here.



When rain falls and snow melts, the runoff produced picks up a variety of contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks and lawns.

Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our local rivers and streams.

WHAT IS A RAIN BARREL?

A rain barrel is a device that collects rain water from your roof and stores it. It is placed under a downspout, with water from the downspout filling it up during a rain event. A nozzle near the bottom lets you access water when it is needed. Rain barrels can be purchased, or made at home using items found at a hardware store. The stored water can be used to water your garden or lawn.



HOW RAIN BARRELS HELP YOUR HOUSE AND YARD:

- Save water
- Reduce pollution by reducing stormwater runoff
- Prevent wet spots near rain gutter outlets
- Provide water without chlorine, lime, or calcium which is great for gardens and lawns

WHAT ABOUT MOSQUITOES?

Having a screen over your rain barrel will prevent mosquitoes from getting in and laying eggs. You can also buy a mosquito control tablet with BTI, a naturally-occurring bacteria that targets mosquito larvae. BTI is harmless to plants, animals, and people.



When rain falls and snow melts, the runoff produced picks up a variety of contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks and lawns.

Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our local rivers and streams.

Springtime means spring cleaning for many of us. Whether you are cleaning inside the house, in the garage, out on the deck, or on the driveway, you can have an impact on water quality. Here are some simple steps for keeping our waterways healthy and clean while spring cleaning!

DON'T DUMP OR FLUSH MEDICATIONS



Expired or unused medication and personal care products should be disposed of properly. Take your unused pharmaceuticals to a drug take back program.

DISPOSE OF HOUSEHOLD HAZARDOUS WASTE PROPERLY



If you have old oil-based paint, solvents, dead batteries or other items from your garage or home, remember to dispose of them properly. This means no dumping in storm drains, flushing down toilets or throwing in the trash. Substances like these are considered household hazardous waste (HHW) and must be disposed of in a designated location to help protect water quality. Check your city or township's website for disposal days and locations.

SWEEP INSTEAD OF HOSE



If you are cleaning up your driveway or sidewalks, please remember to use a broom to sweep dirt and debris onto your lawn or into a trash can. When you hose the debris from your driveway or sidewalks, the runoff you create goes into storm drains and out to local rivers and streams.

USE NATURAL CLEANING PRODUCTS



If you plan to wash your outdoor furniture, windows, deck, car, etc., make sure the cleaning products you use are free of chemicals, phosphates and water-based only. Never do washing or rinsing on your driveway. Instead, do it on the grass and far from a river, lake or stream to prevent runoff from entering storm drains.

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A CITIZEN'S GUIDE TO FALL LAWN CARE

When rain falls and snow melts, the runoff produced picks up a variety of contaminants such as oil, metals, salts, pet waste, fertilizer, and grass clippings as it flows over roofs, roadways, sidewalks and lawns.

Stormwater runoff ultimately flows into storm drains.

Remember: storm drains lead directly to our local rivers and streams.

Using responsible lawn care practices is one step toward cleaner rivers and lakes — even if you don't have waterfront property.

START WITH SOIL:



Perform a soil test to determine what your lawn needs. When necessary, use earth friendly fertilizers, which use low or no phosphorus, and fertilize in fall to build strong grass roots. Additional fertilizer before May is usually unnecessary. Raking $\frac{1}{2}$ inch of compost onto your lawn is a natural alternative to fertilizer.

WHAT YOUR LAWN NEEDS:



Cut your grass high (2 $\frac{1}{2}$ to 3 inches) to promote root growth and shade out weeds. Let grass clippings fall onto the lawn for extra nutrients, and be sure to sweep them off of paved surfaces and back onto the lawn. Light frequent watering prevents overwatering and allows root absorption.

YOUR LAWN'S ECOSYSTEM:



Avoid weed-and-feed combination fertilizer and weed control. These products can harm the beneficial insects and plants in your lawn. In addition, sweep fertilizer back onto the lawn, as excess fertilizer beads will wash down storm drains and into our rivers and lakes. Lastly, be sure to leave a “no fertilizer” buffer of at least 15 feet near lakes and rivers to maintain the natural balance of our freshwater ecosystems.

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This project has been funded wholly or in part through Michigan Department of Environment, Great Lakes, and Energy's Nonpoint Source Program using Watershed Council Support funds.



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KEEPING IT WATERSHED FRIENDLY IN THE WINTER *5 TIPS FOR WINTER WEATHER & CLEAN WATER!*

When snow and ice melt, dissolved salts on roadways are carried into adjacent storm sewers that enter our local rivers, lakes and streams. Once in the water there is no way to remove the chloride, and at high concentrations chloride harms fish and plant life.

Below are a few tips for keeping salt use down and waterways healthy

1

Shovel First: The more snow and ice you remove manually, the less salt you will have to use. Break up ice with an ice scraper or shovel snow off walkways, then decide if application of de-icer or salt is necessary to maintain traction.

2

Slow Down: Drive for winter conditions and be courteous to slow-moving plows. The slower they drive, the more salt will stay on the road where it's needed.

3

Use Sparingly: More salt does not mean less ice. Use less than four pounds of salt per 1,000 square feet (an average parking space is about 150 square feet). One pound of salt is approximately a heaping 12-ounce coffee mug. Also be patient; salt takes time to work. Applying more before allowing time to take affect will lead to unnecessary contamination.

4

Sweep It Up: If extra salt or sand is visible on dry pavement, it is no longer doing any work and will be washed away. The excess can be swept up and reused for the next snow or disposed of in the trash.

5

Wait For Warm Weather: Most salts stop working efficiently when the temperature is below 15 degrees. You can use sand instead for traction in these frigid conditions.



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PADDLING SAFETY TIPS

Recreating in your watershed

One of the ways to ensure the protection of our lakes, rivers and streams is to get out and enjoy them! Summer is a great time to explore your watershed, and with the popularity of recreating on the Clinton River and adjacent tributaries increasing each year, you don't want to be the last one on the river.

The paddling conditions on the Clinton River are changing constantly due to weather and other environmental factors, and several sections are better suited towards more experienced kayakers.

Before you decide to venture out on to the water, it is important to educate yourself on some of the dangers of the river, and make the necessary preparations.



Visit our website to check out our paddling map!

Use the legend on the left side of the map to turn data layers off or on that give information about locations to launch, canoe and kayak liveries, river difficulty, recommended fishing locations, and more. Check out the map here:

<http://www.crowc.org/paddling/>.



ALWAYS PADDLE WITH THE PROPER EQUIPMENT.

Life vests, helmets, a whistle, a first aid kit and a phone are standard equipment.



NEVER PADDLE ALONE.

Always paddle with at least one other person, and do not become separated. Let someone know where and when to expect your return, in case of an emergency.



BE AWARE OF STREAM FLOW.

Check stream flow at the USGS gauge nearest to your intended trip. Visually check stream flow before you embark; if the river is too fast for your comfort level, wait until water levels are lower.



BE AWARE OF THE WATER TEMPERATURE.

Cold water is extremely dangerous. Learn about protecting yourself from hypothermia.



BE AWARE OF THE WEATHER.

Conditions can change rapidly. Be aware of forecasts and do not go out during thunderstorms or other adverse weather events. Stay alert to changing weather conditions.



BE AWARE OF THE DAYLIGHT.

Make sure you have enough daylight to comfortably finish your trip.



BRING A SPARE CHANGE OF CLOTHES IN A DRY BAG.

It is very likely you will get wet. Bring a spare change of clothes in a dry bag to avoid hypothermia.



WEAR PROPER FOOTWEAR.

Protect your feet from sharp river rocks; always wear footwear.



KNOW HOW TO SWIM.

Make sure you know how to swim before embarking on a river trip.



KNOW HOW TO GET HELP.

To get help, dial **911**. Bring a cell phone in a dry bag and make sure you are aware of your surroundings and can communicate your position to emergency responders.

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10 STEPS FOR STORMWATER PROTECTION



1. Capture Stormwater: Install green stormwater infrastructure such as rain gardens and rain barrels to capture stormwater runoff and allow for infiltration to groundwater.



2. Plant native: Unlike turf grass, native plants have deep root systems that move rainwater into the ground, require less water, and are good habitat for other native species.



3. Compost yard waste: Clear sidewalk of debris and collect grass clippings/leaves in paper bags for curbside pickup.



4. Reduce chemical use: Don't use pesticides, safely store chemicals, and clean up spills with kitty litter or saw dust.



5. Cleaning alternatives: Use nontoxic household cleaners such as lemon juice, baking soda, and vinegar. These products are cheap and easily accessible.



6. Clean up: Pick up pet waste promptly and don't litter.



7. Care for your car: Repair fluid leaks, rustproof your exterior, and go to a car wash when possible, where the rinse water goes to a sanitary sewer system.



8. Wash wisely: Run full loads to maximize use, and wash clothes with room temp or cool water to maintain materials integrity and reduce microplastic pollutants.



9. Don't flush it: Flushable wipes are NOT flushable and clog pipes, often creating costly infrastructure damage over time.



10. Maintain your septic field: Have your septic system inspected every three years and pumped every three - five years. Don't drive cars or plant trees on your septic field.



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No Mow May is On

By Stormwater Coordinator Shannon Ervin Apr 29



No Mow May is a movement within communities that empowers homeowners to contribute directly to native ecosystems. During the month of May, allowing your grass to grow allows for the growth of flowers as well. These flowers serve as some of the first food for pollinators including the 460+ bee species, and 163 butterfly/skipper species in Michigan.

You may think, “How can my small yard make a difference?” Consider this, grass is the largest crop in the United States. Yes, there is even more grass than corn. These yards combined account for a large amount of the possible habitat for flowers.

No Mow May also allows us all to recognize that even in urban areas, we are still a part of a larger ecosystem. Seeing many homes in a neighborhood participating can help spread the message and encourage others to join the movement too. With all of the different flowers in bloom, you and your neighbors may find the beauty in a wild yard. Perhaps you will even take steps towards rewilding your yard.

Rewilding is the act of removing nonnative grass and replacing it with [native plants](#). By doing this, you can support both the pollinators and your local watershed. The deep and complex root systems of native plants slow the runoff of stormwater and allow water to seep deep into the soil. Some native plant roots can grow up to 16 feet deep! In comparison, grass roots only go 3 to 6 inches deep.

No Mow May is a great first step you can take to make an immediate impact on the ecosystem and your community. After No Mow May, there are small changes you can

adopt to continue doing your part. These include:



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- Reducing the amount of fertilizer you use or switching to eco-friendly fertilizers helps keep fertilizer out of our storm drains and into rivers.
- Installing green stormwater infrastructures like [rain barrels](#) and rain gardens to help improve runoff.

Your local watershed council, the Clinton River Watershed, is here to help you on your journey and happy to answer any further questions!

< Looking Back at 2024

Red Swamp Crayfish: An Invasive Species in the Clinton River Watershed

>



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“Skip the Bin, Turn Your Batteries In:” The Vape Pen Hazards to Stormwater

By Stormwater Coordinator Shannon Ervin Jan 8

Intro to Vape Pens



A little-known contaminate of stormwater is vape pens. Similar to cell phones and laptops, vape pens use lithium-ion batteries. These batteries charge faster, are lighter, and last longer than acid-based batteries.

The Issue

According to a [National Health Interview Survey](#), the use of vapes increased from 4.5% of adults in 2019 to 6.5% in 2023. While these statistics have fluctuated, the presence of vapes in the waste streams is noticeable.

There is a common misconception that vapes are disposable since many are made without a rechargeable aspect and are labeled as single use or disposable. However, all vapes are categorized as hazardous waste and should be disposed of properly.

The Hazard

When lithium-ion batteries are crushed, punctured, short-circuited, or overheated, they catch fire, explode, or release chemical byproducts. This can be a particular problem when these batteries are improperly disposed of in landfills.

Lithium-ion batteries burn hot and fast. A typical fire takes about three minutes to become untenable (cannot be contained), lithium-ion batteries become untenable

within 20 seconds. These fires burn at 1,800 degrees Fahrenheit and are difficult to put out. Fire Rover, a fire suppression company, [recorded 2,910 fires in 2024](#) caused by lithium-ion batteries, a 60% increase from 2023. This makes lithium-ion batteries the current leading cause of landfill fires.



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While these data include batteries from computers, e-bikes, cars and other lithium-ion batteries, small and undetectable vape batteries result in what Fire Rover calls the “Vape Effect.” Landfill fires can burn for hours or even days. Every fire can cause heavy metals like mercury, lead, copper, and nickel to leach into the soil, entering the water table and surface water. Toxic smoke also enters the atmosphere and comes back to the ground into stormwater during precipitation events.

Garbage and recycling trucks also experience explosions and fires. When this occurs, staff immediately dump the contents of the truck on the street to avoid damage to the truck or injury to workers. In some cases, these fires can spread or cause explosions by igniting other lithium-ion batteries and flammables in the truck. When the fire is put out with water, the trash and pollutant-filled water runs off into storm drains located on roads. These storm drains discharge directly to streams and rivers.

Improper storage, handling, or charging of vapes can also lead to residential and commercial fires.

In the United Kingdom, the issue resulted in an all-out ban on single use vapes. Currently, the United States relies on public education about proper disposal to address the problem. Remember the phrase "Skip the Bin, Turn Your Batteries In."

Best Management Practices for Vape Owners

To avoid vape hazards, follow these recommendations and required disposal procedures:

1. Use vape devices with safety features.
2. Keep loose batteries in a case to prevent contact with metal items such as coins or keys.
3. Never charge your vape device with a phone or tablet charger.
4. Don't charge your vape device overnight.

5. Charge your device on a hard surface.



Dr

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These locations can properly dispose of batteries:

Businesses

- Businesses such as Home Depot, Best Buy, and Staples
- Hazardous waste drop-off sites

Livingston County

- (517) 545-9609
- Annual events by appointment

St. Clair County

- (810) 985-2443
- Smiths Creek Landfill, 6779 Smiths Creek Road, Smiths Creek, MI 48074
- Free to residents, appointments required

Lapeer

- (810) 667-0341
- Michigan State University Extension, 287 W Nepessing St Suite 1, Lapeer, MI 48446

Wayne

- (734) 326-5708
- Pick up voucher at 3600 Commerce Court, Building E, Wayne, MI 48184
- Drop off location at ERG Environmental Services, 13040 Merriman Road, Livonia, MI 48150

Macomb County



Dr

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- Free to Macomb residents by appointment only at events

Oakland County

- [Oakland County NoHAZ](#), 248-858-5656
- [Resource Recovery and Recycling Authority of Southwest Oakland County \(RRASOC\)](#), 248-208-2270
- [Southeastern Oakland County Resource Recovery Authority](#), 248-288-5150

< Keeping Invasive Species
out of the Clinton River

Drone Services Take
Flight at CRWC >



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Spring Yard Care Before May



As the snow begins to melt, it is time for spring cleaning! Here are some tips for your yard that help keep our waterways healthy:

Don't mulch until the end of May. Bees and other insects need to make their way out of the ground. Adding a layer of mulch could block their pathway out.

Prune flower stalks. Make cuts at a variety of heights from 8-24" above the ground to create nest sites for the first bees. Keep the scraps in the yard until the end of May.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Spring Yard Care After May



Now that the hibernating critters have emerged, it's time to prepare a happy home for a prosperous Summer with these tips:

Fertilize sparingly and carefully. Fertilizers in our lakes and streams cause excess algae to grow, harming freshwater ecosystems and even drinking water supplies. Earth-friendly fertilizers meet state requirements for low or no phosphorus. Compost can also act as a more natural nutrient supplement.

Don't use herbicides or pesticides. These chemicals are not species specific and will harm the helpful species. Use natural alternatives such as vinegar, salt, and liquid dish soap to target specific infestations.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Summer Yard Care



Looks good and does good. Keep these tips in mind for a healthy yard and waterway.

Cut high. Leave at least 3 inches on the grass blade after mowing. Tall grass promotes root growth and shades out unwanted weeds during the peak growing season. With strengthened root systems, grass becomes hardier and requires less water.

Sweep the sidewalk. After cutting grass, applying fertilizer, or digging, sweep the excess back into the grass so that it doesn't get washed down the drain. Hosing your driveway sends these pollutants into storm drains.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Fall Yard Care



Time to tuck in for the fall. Follow these tips for a watershed friendly transition.

- **Leave your leaves.** Did you know that leaves can help enrich your lawn's soil? Those colorful leaf "bits" provide much-needed organic matter for your soil and habitat for critters including Fireflies.
- **Cut Back In Spring, Not Fall.** Many perennial plants and ornamental grasses provide vital fall and winter food sources and shelter for native wildlife through the winter.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Pools



Splash! When the pool fun is done, follow these tips for a watershed friendly discharge method.

- Limit frequency of pool draining and refilling. Only drain and refill pool when required for water quality or winterizing reasons.
- Dechlorinate before draining. Simply stop adding treatment chemicals and let the pool sit for **2 weeks** exposed to sunlight with the pump running or use a chlorine neutralizer.
- Do not discharge pool water directly into storm drains on the street. These drains empty into local waterways, and drain pool water into them is unlawful.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Hazardous Waste



Do you have old chemicals, old paints, or dead batteries? Take care; they need special treatment and cannot be sent with curbside trash. Take them to a hazardous waste disposal facility.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Green Stormwater Infrastructure



Are you a homeowner? Did you know that homeowners are the most numerous land managers in our watershed? With over a million people in our watershed every rain barrel, rain garden or tree counts! By capturing and absorbing rainwater on your property, you can help flooding, pollution, and algae issues in our watershed.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Boat Care



Go catch some fish and make some waves while keeping our water clean. Follow these tips to reduce your impact and protect our water.

- Pull boats from water while not in use and store in a garage or cover with a breathable tarp.
- Check the engine, change oil, and clean and replace battery when needed (batteries recyclable at drop off locations).
- With or without seeing invasive species, always RINSE your vessel before you leave one body of water to go to another and DUMP all water from bilges, ballast tanks, and live wells. IT IS THE LAW.

Laundry



Washing with care saves your clothes and your watershed. Follow these tips for protecting your clothes and our water.

- Wash with cold or room temperature water
- Dry on low heat or air dry
- Wash and dry full loads to maximize water and energy efficiency
- Use unscented laundry powder and skip the dryer sheet

For more information, check out our partner, the [Clinton River Watershed Council](#).

Vape Batteries



A little-known contaminate of stormwater is vape pens. Similar to cell phones and laptops, vape pens use lithium-ion batteries. These are the number one cause of landfill fires. Each fire introduces chemicals into our watershed and atmosphere. Take care to skip the bin and turn your batteries in.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Dog Waste



Pet waste overwhelms our waterways with *E. coli* often leading to beach closures. Even if you are far from the beach, the waste moves through stormwater. Be sure to pick up after your furry friends on walks, visits to the park, and other public spaces.

For more information, check out our partner, the [Clinton River Watershed Council](#).

Septic Tank Maintenance



Your septic tank needs your attention. Follow these tips to keep it functional.

- Think at the sink. Don't use the garbage disposal or dump grease down the drain.
- Only flush toilet paper that is septic tank safe. Especially don't flush "flushable wipes" or medication.
- Pump every 2-5 years

For more information, check out our partner, the [Clinton River Watershed Council](#).

APPENDIX E

Event Guides

Contents

River Day event information for 2024 and 2025

Clinton Cleanup event information for 2024 and 2025

| EVENT NAME | Event Description | EVENT LOCATION | Event Date | Event Time | Aprx. # People | Event Coordinator | | Registration (HOW/WHERE/CONTACT INFO) | # of attendees | Pounds of trash |
|---|---|--|------------|------------|----------------|---------------------|-----------------------------------|---|----------------|-----------------|
| | | | | | | Contact | Affiliation | | | |
| Paddlepalooza | It's time, once again, for the annual 8 mile Auburn Hills to Rochester Hills Paddlepalooza! Three events to choose from: Kayakers race (1 person), Canoeists race (2 person), or the Adventure Paddle (no race -no inflatables). A limited number of canoes and kayaks are available for rent, so don't delay. | 3311 Parkways Boulevard Auburn Hills, MI 48326 | 6/1/2024 | 7am-1pm | 100 | Karen Adcock | Auburn Hills | https://www.eventbrite.com/e/16th-annual-paddlepalooza-tickets-866807373187?aff=oddtcreator | 100 | |
| Weekly Clean at Clinton River Heritage Park | Weekly Clean is a weekly clean up program that focuses on cleaning up different parks throughout the Clinton River Watershed. Weekly Clean engages residents of all ages, backgrounds, and skill levels with activities ranging from on-land garbage collecting to paddling and water trail cleanups. | Clinton River Heritage Park, Utica | 6/5/2024 | 10am-12pm | 30 | Pronoye Kapali | CRWC | Walk in welcome. For groups of more than 10 people, please reach out to Pronoye Kapali | 30 | |
| CRWC Watercress Pull | Interested in removing non-native species from a local river? We need your help to clean up non-native watercress behind the Clinton River Watershed Office in Avon Creek! Wader will be provided. Walk ins are welcome! | Clinton River Watershed Council, Rochester Hills | 6/8/2024 | 10am-12pm | 6 | Pronoye Kapali | CRWC | Walk in welcome. Register at: | 6 | |
| Clinton Twp Fishing Derby | If your child loves to fish, they cannot miss this event! We invite them to try to catch that big old elusive catfish or pile up the inches with a variety of pan fish! This event is celebrating the Clinton Watershed River Day and is a catch and release format. The contest is based on total inches caught and children do not need a fishing license to participate. Parents are welcome to assist, but children must reel in the fish. Prizes will be awarded, and everybody is eligible for door prizes. 16 and under welcome! | Clinton Twp Civic Center (40700 Romeo Plank Road Clinton Township, MI 48038) | 6/8/2024 | 5:30pm-7pm | 100+ | George Cardaris | Clinton Twp Recreation Department | https://register.clintontownship.com/Login.aspx | 100 | |
| Village of New Haven - River Day 2024 | Volunteers will help with community park beautification and/or river clean up. Please bring any equipment that you feel might be helpful. Light refreshments and lunch will be provided to volunteers. | 57775 Main Street, New Haven, MI 48048 | 6/8/2024 | 9am-1pm | 20 | Lynette Ruffi | Village of New Haven | Contact The Village of New Haven at 586-749-5301 or join our event on Facebook: Village of New Haven - River Day 2024 (Pre-registration is helpful but not required.) | 20 | |
| River Day | Join us for a hike, trash pickup, fishing and lunch in the park to celebrate River Day! We will also be making walking sticks! | Ray Township Public Library | 6/8/2024 | 11am-12pm | 15 | Christy DeMeulnaere | Ray Township Public Library | online @ https://raylibrary.events.mylibrary.digital/ | 15 | |

| | | | | | | | | | | |
|---|--|---|----------|--------------|-----|------------------|---|--|-----|----|
| 10th Annual Art Fish Fun Festival | 10th Annual Art Fish Fun Festival: June 8th, 11am-4pm: Beaudette Park in Pontiac off of Orchard Lake Rd (786 Orchard Lake Rd). Hosted by The Oakland County Water Resources Commissioner's Office, Pure Oakland Water, The Art Experience, and the City of Pontiac. A family friendly and FREE event that makes learning about water fun through interactive art and education stations. The day kicks off with a park cleanup from 11am-noon. After, attendees will enjoy arts and crafts, games, face painting, live animals, bounce houses and so much more! BBQ lunch will be made available free of charge, guests can fish or learn to fish with Oakland County Water Resources Commissioner Jim Nash. | Beaudette Park, Pontiac, MI (786 Orchard Lake Rd.) | 6/8/2024 | 11am-4pm | 500 | Alyssa Taube | Oakland County WRC | Registration not required. Volunteers are needed! Contact Alyssa Taube for more information at 248.259.2258 or taubea@oakgov.com | 500 | |
| Auburn Hills Annual Fishing Derby | The annual fishing derby offers youths 16 and under a chance to fish and participate in this free annual event on the banks of the Clinton River at Riverside Park in Auburn Hills. Free river day t-shirts for the participants! Registration begins at 7:30am. | Clinton River at Riverside Park, Auburn Hills | 6/8/2024 | 8am-10am | 120 | Pauline Beckett | City of Auburn Hills Recreation & Senior Services | On site registration begins at 7:30am and fishing starts at 8:00am. | 120 | |
| Clinton River Clean-Up | We need your help cleaning around the Clinton River! We are seeking volunteers to help remove trash and invasive plants around this beautiful waterway. Afterward, we will celebrate our hard work with ice cream! Weather dependent – pre-register to receive event updates. Meet at the River Bends Park - Fishing Site (49354 Ryan Rd) at 2pm. All ages. FREE. | 49354 Ryan Rd, Shelby Township, 48317 | 6/8/2024 | 2pm-4pm | 15 | Elizabeth Shultz | Burgess-Shadbush Nature Center | Sign-up at register.shelbytp.org (#RIVER.01) | 15 | 55 |
| Science on the River | Join us at the Wolcott Mill Metropark Historic Center along the river's edge for a story time for the littles and science for all ages in collaboration with Clinton River Watershed Council's River Day! We will be doing some chemical test monitoring to check the levels of Nitrates, Phosphates, Coliform Bacteria as well as the pH, Turbidity, and Dissolved Oxygen of this site on the river. We can discuss our mitigation efforts and responsibilities as a working farm and public park in the watershed. Bring your own picnic and stay to enjoy the scenic views. Fun for all ages! | Wolcott Mill Metropark - 64162 Kunstman Road, Ray, MI 48096 | 6/8/2024 | 11am-12pm | 20 | Mary Barnes | Wolcott Mill Metropark | | 20 | |
| Wetland Wander at Lake St Clair Metropark | Volunteers will help with community park beautification and/or river clean up. Please bring any equipment that you feel might be helpful. Light refreshments and lunch will be provided to volunteers. | Lake St Clair Metropark Nature Center, Harrison Township | 6/8/2024 | 10am-11:30am | 30 | Erin Parker | Huron-Clinton Metroparks | www.metroparks.com or call the nature center to register: 586-463-4332 | 30 | |
| Lost Lake Open House-Fishing | Drop in between 12-3 pm at our June FREE Open House! We'll have fishing at the dock for Michigan's Free Fishing Weekend. Inside you can make a swimming fish craft and learn about different types of fishing and fishing gear. | Lost Lake Nature Center, 846 Lost Lake Trail, Oakland Twp, MI 48363 | 6/8/2024 | 12pm-3pm | 20 | Amanda Felk | Dinosaur Hill Nature Preserve | Not required | 20 | |

| | | | | | | | | | | |
|--------------------------------------|--|--|-----------|-------------|----|-----------------|--------------------------------------|--|----|----|
| Creek Wading | Join the staff at Stony Creek Metropark Nature Center and get up close and personal with the park's namesake: Stony Creek! This tributary of the Clinton River is shallow and provides a great opportunity to wade in the water and search for the organisms that thrive under rocks, in the riffles, and along the shore. Participants should wear water shoes with closed toes (or old sneakers) and plan to get wet to their mid-shins. For those that want to join without getting wet, there will be opportunities to stay on shore (though still plan to experience mud!). | Stony Creek Metropark Nature Center, Washington Township | 6/8/2024 | 1pm-3pm | 25 | Erin Parker | Huron-Clinton Metroparks | metroparks.com | 25 | |
| Cancelled: Clinton River Clean-up | Join us for a day of fun and environmental stewardship as we work together to clean up the beautiful Clinton River. Bring your friends and family for a rewarding experience helping to keep our community clean and green. Let's make a positive impact on our local environment together! | Budd Park in Clinton Twp | 6/8/2024 | 9am-12pm | | Kim Meltzer | Clinton Township | https://www.eventbrite.com/e/clinton-river-clean-up-tickets-894640833817?aff=oddtcreator | 0 | |
| River Day @ Dino Hill | Meander along our trails and stop at our River Day stations to discover what our waterways do for us, and how we can help them. Bring water shoes (or borrow ours) to get in the water and dip net for macroinvertebrates, try your hand at water quality testing, practice underhand casting, and create a water based painting. FREE All age event! | Dinosaur Hill Nature Preserve, Rochester Hills | 6/9/2024 | 10am-2pm | 50 | Amanda Felk | Dinosaur Hill Nature Preserve | Registration is encouraged but not required https://www.dinosaurhill.org/Events | 50 | |
| Go Fish! | Clothing suggestions: comfortable closed toe shoes, pants, long sleeved shirt, hat, sunglasses | Marshbank Park 2805 Hiller Rd., West Bloomfield, MI 48324 | 6/9/2024 | 9am-11:15am | 60 | Kaitlyn Stocker | West Bloomfield Parks and Recreation | There are 2 timeslots 9-10a https://registration.wbparks.org/ViewCourseActivityDetails.aspx?id=C80855 10:15a-11:15a https://registration.wbparks.org/ViewCourseActivityDetails.aspx?id=C80856 Or they can call 248-451-1900 | 60 | |
| Slow Ro LO - Lake Orion Taco Tuesday | Join Slow Row LO for an evening of paddling and tacos. Meet at the DNR launch off of Indianwood lake road, be ready to launch at 6PM. We will paddle the lake and make a stop at Rick's Party Store where they will provide us dock service (please bring cash to speed up service). You must provide your own kayak/sup, paddle, and PFD. | Lake Orion DNR Launch | 6/11/2024 | 6pm | 30 | Suzanne Alesso | Slow Row LO | Not required | 30 | |
| Water Wonderland | Simple Adventures will provide canoe, kayaks, life vests | Red Oaks Nature Center, Madison Heights | 6/15/2024 | 2pm-3pm | 20 | Sarah Endres | Oakland County Parks & Rec | Registration can be completed online at oaklandcountyparks.com or by calling (248) 585-0100. | 20 | |
| Mentzer Clean Up | Clean up at Budd Park | George George Park, Shadyside Park | 6/15/2024 | 9am-12pm | 20 | | Denis Mentzer & CRWC | | 20 | 50 |

Total Events

19

Total participants

1181

105

| Event Name | Event Description | Event Location | Event Date | Event Time | Event Coordinator | | Registration | Notes | Event Partners | Apr. # People Anticipat ed |
|-------------------------------------|---|---|------------|-----------------|-------------------|--|---|--|---|-------------------------------------|
| | | | | | Contact/Coord | Affiliation | | | | |
| Paddlepalooza | It's time, once again, for the annual 8 mile Auburn Hills to Rochester Hills Paddlepalooza! Three events to choose from: Kayakers race (1 person), Canoeists race (2 person), or the Adventure Paddle (no race - no inflatables). A limited number of canoes and kayaks are available for rent, so don't delay. | 3311 Parkways Boulevard Auburn Hills, MI 48326 | 6/7/2025 | 7am-1pm | Karen Adcock | Auburn Hills | https://www.eventbrite.com/e/17th-annual-paddlepalooza-tickets-1325303521509?utm-campaign=social&utm-content=attendeeshare&utm-medium=discovery&utm-term=listing&utm-source=cp&aff=ebdsshcopvurl | | | 40 |
| Weekly Clean at Lake Norcentra Park | Weekly Clean is a weekly clean up program that focuses on cleaning up different parks throughout the Clinton River Watershed. Weekly Clean engages residents of all ages, backgrounds, and skill levels with activities ranging from on-land garbage collecting to paddling and water trail cleanups. | Lake Norcentra Park | 6/4/2025 | 10am-12pm | Pronoye Kapali | CRWC | Walk in welcome. For groups of more than 5 people, please reach out to Pronoye Kapali | Visit crwc.org/weekly-clean for additional information regarding parking location | | 20 |
| CRWC Watercress Pull | Interested in removing non-native species from a local river? We need your help to clean up non-native watercress behind the Clinton River Watershed Office in Avon Creek! Wader will be provided. Walk ins are welcome! | Clinton River Watershed Council | 6/7/2025 | 10am-12pm | Kahlan Robinson | CRWC | Register Here: https://forms.office.com/r/LTw7H1REFE | | | 6 |
| Clinton Twp Fishing Derby | If your child loves to fish, they cannot miss this event! We invite them to try to catch that big old elusive catfish or pile up the inches with a variety of pan fish! This event is celebrating the Clinton Watershed River Day and is a catch and release format. The contest is based on total inches caught and children do not need a fishing license to participate. Parents are welcome to assist, but children must reel in the fish. Prizes will be awarded, and everybody is eligible for door prizes. 16 and under welcome! | Clinton Twp Civic Center (40700 Romeo Plank Road Clinton Township, MI 48038) | 6/7/2025 | 10:30am-12:00pm | - | Clinton Twp Recreation Department | https://register.clintontownship.com/ViewCourseActivityDetails.aspx?id=C4789 | No makeup date. Refunded if cancelled. | Clinton Township Parks & Recreation - Clinton Twp, MI | 100 |
| River Days | Clean out local streams from debris and haul away for disposal. | Village of New Haven Salt River & Shook Drain. | 6/7/2025 | 10am-2pm | Barbara Williams | Village of New Haven Parks and Recreation Department | Contact The Village of New Haven at 586-749-5301 or join our event on Facebook: Village of New Haven - River Day 2024 (Pre-registration is helpful but not required.) | Be sure to check our website or Facebook event page for updates or cancellations due to weather. | Village of New Haven Park | 20 |

| | | | | | | | | | | |
|-----------------------------------|---|---|----------|-----------|----------------------|---|---|---|---|-----|
| River Day | In collaboration with the Clinton River Watershed Council's River Day and the Wolcott Farm, join us riverside at the Wolcott Mill Metropark Historic Center for an exploration into the benthic layer of the North Branch of the Clinton River. We will be using our dip nets in the water to collect samples, sort out macroinvertebrates, and identify them. Learn how the quality of our water is directly related to the species we find that call it home. | Ray Township Public Library | 6/7/2025 | 11am-1pm | Christy DeMeuelnaere | Ray Township Public Library | Online at https://raylibrary.event.s.mylibrary.digital/event?id=162724 | Please contact the Library @ (586)749-7130 if there are any questions regarding weather conditions. | | 20 |
| 11th Annual Art Fish Fun Festival | 11th Annual Art Fish Fun Festival: June 7th, 11am-4pm: Beaudette Park in Pontiac off of Orchard Lake Rd (786 Orchard Lake Rd). Hosted by The Oakland County Water Resources Commissioner's Office, Pure Oakland Water, The Art Experience, and the City of Pontiac. A family friendly and FREE event that makes learning about water fun through interactive art and education stations. The day kicks off with a park cleanup from 11am-noon. After, attendees will enjoy arts and crafts, games, face painting, live animals, bounce houses and so much more! BBQ lunch will be made available free of charge, guests can fish or learn to fish with Oakland County Water Resources Commissioner Jim Nash. Volunteers needed to help. Contact Jack Barshaw for more information at (248) 202-4350 or barshawj@oakgov.com | Beaudette Park, Pontiac, MI (786 Orchard Lake Rd.) | 6/7/2025 | 11am-4pm | Jack Barshaw | Oakland County WRC | Registration not required. Volunteers are needed! Contact Jack Barshaw for more information at 248.202.4350 or barshawj@oakgov.com | Event is rain or shine | Oakland County Water Resources Commissioner's Office, The Art Experience, City of Pontiac, Oakland County Parks | 300 |
| Auburn Hills Annual Fishing Derby | The annual fishing derby offers youths 16 and under a chance to fish and participate in this free annual event on the banks of the Clinton River at Riverside Park in Auburn Hills. Free river day t-shirts for the participants! Registration begins at 7:30am. | Clinton River at Riverside Park, Auburn Hills | 6/8/2024 | 8am-10am | Pauline Beckett | City of Auburn Hills Recreation & Senior Services | On site registration begins at 7:30am and fishing starts at 8:00am. | Follow us on Facebook for any cancellations due to weather @AuburnHillsRecreation&SeniorServices | CRWC, Trout Unlimited, Detroit Area Steelheaders, Buffalo Wild Wings | 120 |
| Clinton River Day Hike | Learn about the Clinton River through a guided hike along the river's edge. Naturalists will identify native plants and wildlife that depend on this freshwater ecosystem. We will discuss easy ways for people to help keep the Clinton River healthy. Meet at the River Bends Park Kayak Launch (49354 Ryan Rd) rain or shine. Rustic trail with uneven terrain—we recommend sturdy, closed-toe shoes. FREE. | 49354 Ryan Rd, Shelby Township, 48317 | 6/7/2025 | 2pm-4pm | Zac Polzin | Burgess-Shadbush Nature Center | Not required | | | 10 |
| River Day: Macro Discovery | In collaboration with the Clinton River Watershed Council's River Day, join our us riverside at the Wolcott Mill Metropark Historic Center for an exploration into the benthic layer of the North Branch of the Clinton River. We will be using our dip nets in the water to collect samples, sort out macroinvertebrates, and identify them. Learn how the quality of our water is directly related to the species we find that call it home. | Wolcott Mill Metropark - 64162 Kunstman Road, Ray, MI 48096 | 6/7/2025 | 11am-12pm | Mary Barnes | Wolcott Mill Metropark | https://mihuronclintonweb.myscloud.com/web/track/iteminfo.html?module=AR&fmid=134839098&InterfaceParameter=WebTrac_newui | Rain or Shine. In the event of a cancellation registered participants will be contacted via phone. | | 20 |

| | | | | | | | | | |
|---------------------------|--|---|---------------------|--------------------------------------|-----------------|---|---|---|-----|
| FREE Lost Lake Open House | Explore Mustelids: Skunks & Badgers at our June Saturday open house. Learn how to twist a skunk balloon animal* and see how far you can follow a scent trail outside. *balloon animals will be latex, apologies to those with latex allergies | Lost Lake Nature Center, 846 Lost Lake Trail, Oakland Twp, MI 48363 | 6/14/2025 | 6/14/25 | Amanda Felk | Dinosaur Hill Nature Preserve | Not required | | 20 |
| CRWC Autumn Olive Pull | Join us to remove invasive Autumn Olive from the Clinton River Watershed Council's office in preparation of an incoming rain garden installation | CRWC Office | 6/7/2025 | 10am-12pm | Kahlan Robinson | CRWC | Register Here: https://forms.office.com/r/LTw7H1REfE | | 10 |
| River Day @ Dino Hill | Sunday, June 8 10am-2pm All Ages FREE Meander along our trails and stop at our River Day stations to discover what our waterways do for us, and how we can help them. Bring water shoes (or borrow ours) to get in the water and dip net for macroinvertebrates, try your hand at water quality testing, and create a water-based painting. | Dinosaur Hill Nature Preserve | 6/8/2025 | 10am-2pm | Amanda Felk | Dinosaur Hill Nature Preserve | Participants can register on our website www.DinosaurHill.org | Registered attendees will receive email if canceled or postponed. All others check our Facebook page. | 50 |
| Go Fish! | Join us on our fishing pier located on Cass Lake to share in this great outdoor pastime! Never been fishing before? No problem! We will have staff on hand with a limited number of fishing poles provided for hands-on instruction to get you and your child started. Win a fishing themed prize if you catch the smallest or the largest fish! A simple craft and game will be available in case the fish aren't biting. Special guest; Mike McKinstry from "The Bassquatch Hunter: Fish Out of Water", will be sharing great fishing tips! This program will be catch and release of ALL fish, so bring your camera to document your catch! This event is on the DNR's free fishing weekend, so no fishing license is required.**This is a family program, all children and adults must register. | Marshbank Park 2805 Hiller Rd., West Bloomfield, MI 48324 | 6/8/2025 | 9am-10am | Kaitlyn Stocker | West Bloomfield Parks and Recreation | https://wbparks.perfectmind.com/39560/Reports/BookMe4LandingPages/CoursesLandingPage?widgetId=5a46a69d-03b0-414a-92b4-21408a395362&courseId=24203e2a-85c2-4612-b23d-c756a77a6aca&searchText=go%20fish or by calling our front desk at (248)451-1900 | | 75 |
| Bay-Rama Fishfly Festival | The Bay-Rama Fishfly Festival is a fun-filled five-day event attended by over 80,000 people in downtown New Baltimore. We feature a large, clean midway, Festival Tent with live entertainment, Miss Bay-Rama Queen's Pageant, Kid's Day Fun, a large firework display on the waterfront, a spectacular parade along Green Street, and much more! | Downtown New Baltimore | 6/18/2025-6/22/2025 | Times vary throughout festival dates | | City of New Baltimore, Anchor Bay Chamber of Commerce | For more program info, visit https://www.bay-rama.com/ | | 250 |

Total events

15

Total participants

1061

| Event Name/Location | Public/Private | Event Date | Event Time | Event Description | Contact/Coord. | Affiliation | Address | City | Zip Code | Subwater shed | number of people | pounds of trash | Notes |
|---|----------------|------------|----------------|--|----------------------------|---|--|--------------------|----------|---------------|------------------|-----------------|-----------|
| Pontiac Oaks | Public | 9/12/2024 | 1:30pm-4:30pm | Join the Oakland County Water Resources Commissioner's office for a clean up at Pontiac Oaks for Clinton Clean Up. | Jack Barshaw | Oakland County Water Resource Commissioner's Office | 1400 Telegraph Rd | Pontiac | 48340 | CM | 8 | 20 | |
| River Woods Park | Public | 9/21/2024 | 9AM-12PM | Volunteers are advised to wear work clothes and sturdy shoes. Advanced notice of participation is appreciated but not required. | Stephen Baldante | Auburn Hills | 300 River Woods Drive | Auburn Hills | 48326 | CM | 10 | 100 | |
| Rochester Munal Park | Public | 9/21/2024 | 9am-11:30am | Cleanup trash along the river, in the Municipal Park and along the Riverwalk and Paint Creek Trail. Snacks, refreshments, gloves, and bags will be provided. It is highly recommended that all volunteers wear closed-toed shoes and appropriate clothing for weather. | Jason Dickinson | City of Rochester | 400 6th St | Rochester | 48307 | SP | 115 | 135 | |
| Galloway Lake Park in Pontiac (in the corner of Giddings and Perry Roads) | Public | 9/14/2024 | 10am-12pm | As part of the 2024 Clinton Clean Up Day sponsored by the Clinton River Watershed Council, Sierra Club Rochester ECOS is organizing a river clean up event in Pontiac! We have chosen a site upstream of our former Adopt-A-Stream monitoring location where we have found a fair amount of garbage polluting the riverbank. Our cleaning efforts during the last several years have had a positive impact on the area and we'd like to continue this work. You can make a difference in our water quality and the health of the Clinton River. Join us! You can park at the AutoZone parking lot located at 1511 N. Perry Rd. in Pontiac. We'll be across the street on Giddings Rd. The CRWC will provide supplies, we just need your help. Make sure to bring water to stay hydrated, sun protection and mosquito repellent. | Italia Millan / Don Hughes | Sierra Club Rochester ECOS | On the corner of Giddings Road and Perry Street | Pontiac | | CM | 10 | 160 | |
| Dodge Park | Public | 9/14/2024 | 9am-12pm | To preserve and protect our water resources for this generation and future generations. This is an excellent opportunity for adults, teenagers, students, naturalists, and businesses to work together to improve our environment. Volunteers will meet at 9:00 am at Dodge Park's pavilion #4, located behind the splash pad and are advised to wear work clothes and sturdy shoes. For more information, please contact Shawn Keenan, Assistant City Planner at 586-446-2384 or skeenan@sterlingheights.gov. Advanced notification of participation is preferred but not required. | Shawn Keenan | Sterling Heights | 40620 Utica Rd | Sterling Heights | 48313 | CREW | 21 | 60 | |
| Waldenburg Park | Private | 9/14/2024 | | Community services for Wellness | Shannon Kunce | PTI Engineered Plastics | 19225 21 Mile Rd, | Macomb Township | 48044 | CREW | 10 | 15 | |
| Clinton River Heritage Park | Private | 9/21/2024 | 10am-12pm | - | Jordan Gettel | GCU | 44505 Van Dyke Ave | Utica | 48317 | CREW | 7 | 100 | |
| Clinton River Heritage Park | Private | 9/22/2024 | 2pm-4pm | - | Jordan Gettel | GCU | 44505 Van Dyke Ave | Utica | 48317 | CREW | | | Cancelled |
| Murphy Park | Private | 9/21/2024 | 2pm-4pm | Clean up and invasive species removal | Jordan Gettel | GCU | Martin Luther King Jr Blvd S & Osmun | Pontiac | 48341 | CM | 6 | 500 | |
| Clinton River Trail (in front of Walmart) | Private | 9/22/2024 | 10am-12pm | - | Jordan Gettel | GCU | Corner of S Adams Rd and Leach Rd in Rochester Hills | Rochester Hills | | CM | | 75 | |
| Buffalo Wild Wings in Waterford | Private | 9/28/2024 | 9:30am-11:30am | We have kayakers and walkers along the area of Buffalo Wild Wings in Waterford. | Carol Tackett | Maceday Lotus Lake Association | 5223 Highland Rd | Waterford Township | 48327 | UC | | | |

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|--|---------|-----------|----------------|---|-----------------------|---|--|------------------|-------|------|-----------|-----|------------|-------------|
| River Bends Park | Private | 9/18/2024 | 12pm-2pm | - | Kelli Nixon | Team Depot | 5700 22 Mile Rd | Shelby Township | 48317 | CREW | 6 | 15 | | |
| Paint Creek Trail from Silverbell to Dutton Rd | Private | 9/14/2024 | 9am-11:30am | - | Jennifer Free | Scout Troop 60/Cub Scout Pack 106 | Paint Creek Trail crossing West of Orion Rd on Silverbell Rd | Oakland Township | 48306 | SP | 30 | 7 | | |
| Yates Park | Private | 9/14/2024 | 9am-11am | - | Prasad Oraskar | KPIT | 1990 E Avon Rd | Rochester Hills | 48307 | CM | 34 | 25 | | |
| Whispering Woods Kiwanis Park | Private | 9/14/2024 | | - | Gerianne Betcher | Utica Home Depot | 11000 21 Mile Rd | Shelby Township | 48317 | CREW | 20 | 10 | | |
| Borden Park | Private | 9/14/2024 | 9:30am-11:00am | - | Stephanie Burdo Smith | Rochester Community Schools PTA Council Green Schools Committee | 1400 E Hamlin Rd | Rochester Hills | 48307 | RR | 11 | 121 | | |
| Totals | | | | | | | | | | | 15 | | 288 | 1343 |

| Event Name/Location | Public/Private | Event Date | Event Time | Event Description | Contact/Coord. | Affiliation | Address | City | Zip Code | Subwatershed | number of people | pounds of trash |
|---|----------------|------------|-----------------|---|------------------------|---|---|-----------------|----------|--------------|------------------|-----------------|
| River Woods | Public | 4/19/2025 | 9am-12pm | Cleaning up trash and debris at River Woods Park | Steve Baldante | City of Auburn Hills | 300 River Woods Drive | Auburn Hills | 48326 | CM | 14 | 126 |
| Clinton River Heritage Park | Public | 4/16/2025 | 10am-12pm | Join us for our Weekly Clean event | Pronoye Kapali | CRWC | 44505 Van Dyke Ave | Utica | 48317 | CM | 28 | 50 |
| Borden Park | Public | 4/19/2025 | 9:30am-11am | Trash Clean Up | Brandon Shurter | RCS PTSA Green Schools | 1400 E Hamlin Rd | Rochester Hills | 48307 | RR | 40 | 251 |
| Yates Park | Public | 4/19/2025 | 9am-1pm | Annual Clinton River Clean-Up along the banks of the river at Yates Park | Olivia Trittsch | Michigan United Conservation Clubs and Metro-West Steelheaders | 1990 E Avon Rd | Rochester Hills | 48307 | CM | 62 | 455 |
| NW Corner of Giddings and Perry in Pontiac (W of I-75, S of Walton) | Public | 4/19/2025 | 10am-12pm | Join us for our third River Clean Up in memory of our dear friend and group member Greg Franczak! This event will take place on Earth Day weekend in our former stream monitoring site in Pontiac (originally managed by him). Please join us to continue his work and help us keep the Galloway Creek clean! | Italia Milan | Sierra Club Rochester ECOS | 1511 Perry St | Pontiac | 48340 | CM | 7 | 90 |
| Burgess-Shadbush Nature Center | Public | 4/19/2025 | 10am-2pm | Join CRWC and Burgess-Shadbush Nature Center in our continued effort to pull for invasive Black Jetbead! | Kahlan Robinson | CRWC | 4101 River Bends Dr | Shelby Township | 48317 | CREW | 8 | - |
| Wolcott Mill Metropark | Public | 4/19/2025 | 11am-12pm | In collaboration with the Clinton River Watershed Council's Clinton Clean-Up Day, join our staff riverside at the Historic Wolcott Mill as we do our part to keep the Clinton River and all its tributaries and confluences clean for future generations to enjoy. Learn about your impact on stormwater and water quality while we pick up around and in the river. All ages are welcome, water gear is advised. | Mary Barnes | Huron Clinton Metropark Authority | 63841 Wolcott Rd | Romeo | 48065 | NB | 7 | 46.5 |
| Murphy Park | Private | 4/24/2025 | 1:30pm-4pm | Three Hour clean-up of litter around Murphy Park | Jack Barshaw | Oakland County WRC | Martin Luther King Jr Blvd S & Osmun St | Pontiac | 48341 | CM | 6 | 80 |
| Beaudette Park | Private | 4/19/2025 | 9am-11am | Annual Clinton Cleanup | Prasad Vitthal Oraskar | KPIT Technologies Inc | 786 Orchard Lake Rd | Pontiac | 48341 | CM | 29 | 37 |
| Waldenburg Park | Private | 5/3/2025 | 8am-12pm | Clean Up | Nethanya Fonseka | - | 19225 21 Mile Rd | Macomb | 48044 | CREW | 24 | 20 |
| Stage Nature Center | Private | 4/17/2025 | 9am-11am | - | Suzan Santoni | APTIV | 6685 Coolidge Hwy | Troy | 48098 | RR | 4 | 7 |
| Paint Creek Trail | Private | 4/19/2025 | 10:30am-11:30am | Litter and unnatural debris clean up along the paint creek trail and adjacent walking paths | Jennifer Free | Boys Scout Troop 60 | | | | | 2 | 3 |
| Waldenburg Park | Private | 4/19/2025 | 2pm-5pm | Our Key Club and Ecology Club would like to participate in the Clinton Clean-Up For Earth Day by picking up trash at Waldenburg park from 2:00 to 5:00 pm on April, 19th | Nethanya Fonseka | The Key Club and Ecology Club of the International Academy of Macomb in collaboration with Plant It Forward | 19225 21 Mile Rd | Macomb | 48044 | CREW | 24 | 50 |
| Whispering Woods Kiwanis Park | Private | 4/19/2025 | 1pm-3pm | Team Depot | Geriann Bettcher | Home Depot 2708 | 11000 21 Mile Rd | Shelby Township | 48317 | CREW | 2 | 8 |
| River Bends Park | Private | 4/17/2025 | 12pm-3pm | Cleaning up the parks | Kelli Nixon | The Home Depot - Team Depot | 5700 22 Mile Rd | Shelby Township | 48317 | CREW | 5 | 14 |
| Waldenburg Park | Private | 4/26/2025 | 8am-12pm | Spring Clean Up | Shannon Kunce | PTI Engineered Plastics | 19225 21 Mile Rd | Macomb | 48044 | CREW | 10 | 30 |

Totals 16

272 1267.5

APPENDIX F

Stormwater Management Forums

Contents

Topics, locations, and attendance for 2024 forums

Topics, locations, and attendance for 2025 forums

Sign-in Sheets for 2024 and 2025 Forums

Stormwater Management Forums 2024

| Date | Location | Attendance | Topics |
|------------|-----------------------|------------|--|
| 4/18/2024 | Virtual | 36 | Southeast Michigan Watershed Report Cards - University of Maryland |
| 7/18/2024 | Virtual | 23 | Environmental Finance Centers - Delta Institute |
| 11/21/2024 | Oxford Public Library | 16 | Additions and Alterations to the Stormwater Education Program - CRWC |
| 3/20/2025 | Virtual | 26 | WaterTowns 101 and Funding for GSI projects - CRWC |
| | | | |
| | | | |

Stormwater Management Forums 2025

| Date | Location | Attendance | Topics |
|------------|---|------------|--|
| 7/17/2025 | South Branch Clinton Macomb Public Library | 16 | CRWC updates, SEMCOG training, MS4 construction tool |
| 9/18/2025 | Virtual | 27 | EGLI staff presentation best practices for record keeping and compliance, new reporting in MiEnviro |
| 11/20/2025 | Clarkston Independence District Library | 8 | Saginaw Road commission sharing their journey to compliance and street sweeping program, catch basin clearance |
| 2/19/2026 | Virtual | 26 | What Communities should know about stormwater utilities, OHM Advisors |
| | | | |
| | | | |

4/18/24 SW Forum

Name

Kaleigh Snoddy
Brown, Geoffery
Jessica Johnston
Fred Cowles
Jennifer Hill
David Wirth
Gerry McCallum (Guest)
Varughese, Lishba (EGLE)
Michele Hayes
Michael Way - Grosse Pointe Shores
Hulme, Jenna
Elizabeth Guzanek
Tim Young
Apley, Carol A.
Antonio A Cicchetti
Petriello, Stephanie
Aaron Whatley
Cotrone, Jack (EGLE)
Darwin McClary
Jim
Sexton, Kathleen (EGLE)
Jenna Hulme
Scott G Finlay
Carol Thurber
Tim
Alexandra Fries (UMCES) (Guest)
Scott Kleinfeld
Casey Jezewski
DPW Superintendent
Caddick, Christine (EGLE)
Geoffrey Brown
Bonnie Krauss
Natalie Guenther
Daniels, Robin (Peters)
Kevin Johnson

Email

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jennifer@crwc.org

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eguzanek@oriontownship.org
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mcclaryd@lakeorion.org

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FinlaySG@troymi.gov
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CaddickC@michigan.gov

nguenther@sda-eng.com
Robin_Daniels@peters.senate.gov
JohnsonK@macomb-mi.gov

7/18/24 SW Forum

Name

Kaleigh Snoddy
Kaitlyn Steeves
Michael Way - Grosse Pointe Shores (Unverified)
Kristina Murphy (External)
Michele Hayes (External)
Amanda Oparka
Dylan Crooks (Unverified)
Tim Young (External)
Jessica Johnston (External)
Bill Diamond (External)
Danielle Devlin, MCPWO (Unverified)
Nathan R Knapp
Nathan Knapp (Unverified)
Varughese, Lishba (EGLE)
Stacey McFarlane
Emily Levine (External)
Megan McReynolds (External)
Cotrone, Jack (EGLE)
Fred Cowles (Unverified)
Juliana Witt (External)
Petriello, Stephanie (External)
Babcock, Bryan (External)
Heather Toutant (External)

Email

Kaleigh@crwc.org
kaitlyn@archenvgroup.com

kmurphy@delta-institute.org
m.hayes@clintontownship-mi.gov
Amanda.Oparka@macombgov.org

tyoung@hazelpark.org
jjohnston@sterlingheights.gov
dpwsupt@cityofutica.org

nknapp@oakland.edu

VARUGHESEL@michigan.gov
Stacey.McFarlane@macombgov.org
elevine@ectinc.com
mmcreynolds@dlz.com
CotroneJ@michigan.gov

wittj@macomb-mi.gov
petriellos@oakgov.com
babcockb@scsmi.net
htoutant@harperwoods.net

| EVENT: Stormwater Management Forum | | LOCATION: Oxford Public Library | |
|------------------------------------|------------|---|--------------------------------|
| DATE: 11/21/24 | | PRESENTER(S): Kaleyk Snoddy, Jennifer Hill - CRWC | |
| First Name | Last Name | Community/Organization | Email Address |
| Lishba | Vaughese | EGLE - WRD | vaughese@mi.chicago.gov |
| Kaitlyn | Steeves | Arch Environmental Group | kaitlyn@archengr.com |
| DANIELLE | DEVLIN | MCPWO | danielle.devlin@macomb.gov.ORG |
| Nathan | Knapp | Oakland Univ | nknapp@oakland.edu |
| Christine | Caddick | EGLE | caddickc@michigan.gov |
| Tim | London | Oxford TWP | tlondon@oxfordtownship.org |
| Ashley | Allen | HRC | aallen@hrcengr.com |
| Megan | McReynolds | DLZ | mcreynolds@dlz.com |
| Stephanie | Petello | WRC | petellos@oakgov.com |
| BONNIE | Krauss | Washington Twp | kraussb@washingtontwp.mi.gov |
| Fred | Cowles | GPP/GPF | |
| Dinya | Loranger | AEW (Multiple Macomb comm) | dloranger@newinc.com |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

+ Kaleyk, Jeffery, Jennifer, Prange

3/20/25 SW Forum

Name

Kaleigh Snoddy

Fred Cowles

Fred Cowles (Unverified)

Brett Mittelstedt (External)

Chris Nosseck (External)

Shannon Ervin

Ramya Dandayudham, AEW (Unverified)

Gerry McCallum - City of Orchard Lake (Unverified)

Jessee, Nathaniel (External)

Darin Paolucci -Eastpointe (Unverified)

Shane R (Unverified)

Nathan R Knapp

Jeffery Schiffman

Garrison, Jacy L (External)

McReynolds, Megan (EGLE)

Danielle Allen

Laura Gruzowski (External)

Bill Diamond (External)

Allen, Ashley (External)

Cotrone, Jack (EGLE)

Amanda Oparka

Scott G Finlay (External)

Tim (Unverified)

Kiley Feld

Juliana Witt (External)

Email

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lgruzowski@dlz.com

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CotroneJ@michigan.gov

Amanda.Oparka@macombgov.org

FinlaySG@troymi.gov

Kiley.Feld@macombgov.org

wittj@macomb-mi.gov

EVENT: July Stormwater Management Forum LOCATION: South Branch CMLP, Clinton Twp

DATE: 7/17/25 PRESENTER(S): SEMCOG, CRWC

| First Name | Last Name | Community/Organization | Email Address |
|--------------------------|----------------------|--------------------------------|---|
| Danille RYAN | Allen FERRON | Shelby Twp " " " | AllenD@shelbyTwp.org RFERRON@shelbyTwp.org |
| Lisha | Vaughese | EGLE-WRO | vaughese@egle.michigan.gov |
| Bailee | Pasienta | SEMCOG | pasienta@semcog.org |
| Ashely Tebedo | Tebedo | City of Troy | Ashely.Tebedo@troy.mi.gov |
| Christine | Caddick | EGLE | |
| Ramya | Dandayudham | AEW | rdandayudham@aewinc.com |
| Stephanie BONNIE | List Krauss | DLZ WASHINGTON | slist@DLZ.com Krauss@dc.washington.gov |
| Scott | FINLAY | CITY OF TROY | FinlaySG@troy.mi.gov |
| Fred | Cowley | GPP & GPF | FredCowley@owlesenvironmental.com |
| BRETT Nathan | Mittelstadt Knapp | CLINTON TWP Cleveland Univ. | B.Mittelstadt@CLINTONTWP.MI.GOV nknapp@cleveland.edu |
| Emily | Ause | City of Troy | emily.ause@troy.mi.gov |
| Stacey | McFarlane | Macomb County Health Dept. | stacey.mcfarlane@macomb.gov |
| | | | |
| | | | |
| | | | |

9.18.2025 Forum

Name

Kaleigh Snoddy
Miller, Julia (EGLE)
Stiles, Jessica (EGLE)
Hulme, Jenna (External)
Fred Cowles
Jezewski, Casey (EGLE)
Kaitlyn Steeves
Ramya D, AEW (Unverified)
Tim P (Unverified)
Emily C Ause (External)
Gerry McCallum - City of Orchard Lake (Unverified)
Allen, Ashley (External)
Stacey McFarlane
Scott G Finlay (External)
Varughese, Lishba (EGLE)
Tina Gapshes (Unverified)
nsantos (Unverified)
Steffler, Melinda (EGLE)
Tim London (External)
Emily Levine (External)
McReynolds, Megan (EGLE)
Kahlan Robinson
Nathan Knapp
Rudy Reyes
chris (Unverified)
Cotrone, Jack (EGLE)
Bonnie Krauss
Shannon (Unverified)

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nknapp@oakland.edu
dpw1@thevillageofoxford.org

CotroneJ@michigan.gov

2.19.2026 Forum

Name

Kaleigh Snoddy
Shannon Ervin
Greg Kacvinsky
Babcock, Bryan (External)
Tim P Rochester Hills (Unverified)
Jessica Johnston (External)
Ramya D, AEW (Unverified)
WWTP (External)
Emily C Ause (External)
Fred Cowles
Allen, Ashley (External)
Jonathan Orzel (External)
Petriello, Stephanie (External)
Noel (Unverified)
read.ai meeting notes (Unverified)
Bill Diamond (External)
Stacey McFarlane (External)
Boyd Getz (External)
Mike Connell (Unverified)
Chris Storm (External)
Stephanie List (External)
Divya (Unverified)
Varughese, Lishba (EGLE) (External)
Tim Young, City of Hazel Park (Unverified)
Divya (Unverified)
Bonnie krauss (Unverified)
Bonnie Krauss (Unverified)
nsantos (Unverified)

Email

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ervins@crwc.org
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jorzel@sterlingheights.gov
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Boyd.Getz@macombgov.org

Chris.storm@romeok12.org
slist@dlz.com

VARUGHESEL@michigan.gov

APPENDIX G

Keeping It Clean

Contents

Weekly Clean schedules and metrics 2024 and 2025

Weekly Clean 2024

| Date | Location | Community | Subwatershed | County | Number of Volunteers | Number of New Volunteers | Amount of Trash (lbs) | Notes |
|----------------|-----------------------------|--------------------|--------------|--------|----------------------|--------------------------|-----------------------|--------------------------|
| 4/3/2024 | River Woods Park | Auburn Hills | CM | O | 20 | 6 | 345.5 | |
| 4/10/2024 | Pollard Park | New Haven | CC | M | 8 | 2 | 127 | |
| 4/17/2024 | Sylvan Manor Park | West Bloomfield | CM | O | 7 | 3 | 279.5 | |
| 4/24/2024 | Boulan Park | Troy | RR | O | 23 | 11 | 97.5 | |
| 5/1/2024 | Lenox Township Park | New Haven | CC | M | 5 | 0 | 33.5 | |
| 5/8/2024 | Ghesquiere Park | Gross Pointe Woods | CC | W | 19 | 14 | 40 | |
| 5/15/2024 | Innovation Hills | Rochester Hills | CM | O | 38 | 14 | 113.5 | |
| 5/22/2024 | Neff Park | Gross Pointe | CC | W | - | - | - | cancelled due to weather |
| 5/29/2024 | Lake Norcentra Park | Rochester Hills | CM | O | 5 | 1 | 86 | |
| 6/5/2024 | Clinton River Heritage Park | Utica | CREW | M | 38 | 32 | 94.5 | |
| 6/12/2024 | Donald Red Geary Park | Ferndale | RR | M | 13 | 5 | 15.5 | |
| 6/19/2024 | Murphy Park | Pontiac | CM | O | 14 | 5 | 132.5 | |
| 6/26/2024 | Salter Memorial Park | Harper Woods | CC | W | 10 | 1 | 14 | |
| 7/3/2024 | Virtual | Virtual | ALL | - | | | | |
| 7/10/2024 | James C Nelson Park | Sterling Heights | RR | M | 3 | 0 | 44 | |
| 7/17/2024 | Avon Nature Area | Rochester Hills | CM | O | 20 | 7 | 133 | |
| 7/24/2024 | Martin Road Park | Ferndale | RR | O | 15 | 9 | 58.5 | |
| 7/31/2024 | Brys Park | St. Clair Shores | CC | M | 7 | 2 | 38 | |
| 8/7/2024 | Beaudette Park | Pontiac | CM | O | 13 | 2 | 316 | |
| 8/14/2024 | Shadyside Park | Mt Clemens | CREW | M | 8 | 1 | 144.5 | |
| 8/21/2024 | David H Shepherd Park | Oak Park | RR | O | 6 | 0 | 56.5 | |
| 8/28/2024 | Nicholson Nature Center | Clinton Township | CREW | M | 4 | 0 | 43 | |
| 9/4/2024 | Waldenburg Park | Macomb | CREW | M | 6 | 1 | 43.5 | |
| 9/11/2024 | Bloomer Park | Rochester Hills | CM | O | | | | |
| 9/18/2024 | Joseph Delia Park | Sterling Heights | RR | M | 24 | 8 | 622 | |
| 9/25/2024 | Woodall Neighborhood Park | Shelby Township | CREW | M | 21 | 14 | 86 | |
| 10/2/2024 | Borden Park | Rochester Hills | CM | O | 10 | 0 | 80 | |
| 10/9/2024 | River Bends Park | Shelby Township | CREW | M | 11 | 1 | 236 | |
| 10/16/2024 | Virtual | Virtual | ALL | - | | | | |
| 10/23/2024 | LSC MetroPark | Harrison Twp | CREW | M | 9 | 6 | 68.5 | |
| 10/30/2024 | Yates Park | Rochester Hills | CM | O | 62 | 49 | 482.5 | |
| 11/6/2024 | Firefighters Park | Troy | RR | O | 8 | 0 | 31.5 | |
| 11/13/2024 | Virtual | Virtual | ALL | - | | | | |
| 11/20/2024 | North Clinton River Park | Sterling Heights | CREW | M | 18 | 13 | 183 | |
| | | | | | | | | |
| | | | | | | | | |
| Totals: | | 33 | | | 445 | 207 | 4045.5 | |

Weekly Clean 2025

| Date | Location | Community | Subwatershed | County | Number of Volunteers | Number of New Volunteers | Amount of Trash (lbs) | Notes |
|------------|-------------------------------|-------------------|--------------|---------|----------------------|--------------------------|-----------------------|-----------------------|
| 4/2/2025 | Innovation Hills | Rochester Hills | CM | Oakland | - | - | - | Cancelled for weather |
| 4/9/2025 | James C Nelson | Sterling Heights | RR | Macomb | 21 | 12 | 226.7 | |
| 4/16/2025 | Clinton River Heritage Park | Utica | CREW | Macomb | 28 | 19 | 252.3 | |
| 4/23/2025 | Panera Parking Lot @ S Adams | Rochester Hills | CM | Oakland | 14 | 1 | 192.75 | |
| 4/30/2025 | Nicholson Nature Center | Clinton Township | NB | Macomb | 8 | 2 | 126.2 | |
| 5/7/2025 | Joseph Delia Park | Sterling Heights | RR | Macomb | 21 | 6 | 346.55 | |
| 5/14/2025 | Yates Park | Rochester Hills | CM | Oakland | 19 | 10 | 50.85 | |
| 5/21/2025 | River Woods Park | Auburn Hills | CM | Oakland | 22 | 7 | 90.03 | |
| 5/28/2025 | Shadyside Park | Mt. Clemens | CREW | Macomb | 18 | 9 | 120 | |
| 6/4/2025 | Lake Norcentra Park | Rochester Hills | CM | Oakland | 10 | 1 | 159.4 | |
| 6/11/2025 | Boulton Park | Troy | RR | Oakland | 17 | 10 | 221.2 | |
| 6/18/2025 | LSC Metropark | Harrison Township | CREW | Macomb | 7 | 2 | 107.55 | |
| 6/25/2025 | Virtual | Anywhere! | All | Both | - | - | - | |
| 7/2/2025 | Virtual | Anywhere! | All | Both | - | - | - | |
| 7/9/2025 | Brys Park | St. Clair Shores | CC | Macomb | 10 | 4 | 188.5 | |
| 7/16/2025 | CRWC Office | Rochester Hills | CM | Oakland | 13 | 6 | 10 | |
| 7/23/2025 | Murphy Park | Pontiac | CM | Oakland | 15 | 4 | 392 | |
| 7/30/2025 | North Clinton River Park | Sterling Heights | CREW | Macomb | 34 | 25 | 163 | |
| 8/6/2025 | Brandenburg Park | Chesterfield | AB | Macomb | 10 | 6 | 23.8 | |
| 8/13/2025 | Meijer Plaza | Warren | RR | Oakland | 5 | 2 | 266 | |
| 8/20/2025 | Harding Park | Ferndale | RR | Oakland | 10 | 0 | 26.95 | |
| 8/27/2025 | Stony Creek Metropark | Shelby Township | SP | Macomb | 10 | 2 | 46.09 | |
| 9/3/2025 | Keenan Marina | Harrison Twp | CREW | Macomb | 6 | 0 | 246.7 | |
| 9/10/2025 | Joy Blvd Park | Mt Clemens | AB | Macomb | 2 | 0 | 184.45 | |
| 9/17/2025 | Dodge Park | Sterling Heights | CREW | Macomb | 16 | 3 | 111.55 | |
| 9/24/2025 | Addison Oaks | Leonard | SP | Oakland | 9 | 4 | 25.65 | |
| 10/1/2025 | Macomb Corners Park | Macomb | NB | Macomb | 20 | 10 | 194.2 | |
| 10/8/2025 | Woodall Park | Shelby Township | CREW | Macomb | 20 | 21 | 186 | |
| 10/15/2025 | Sylvan Manor Park | West Bloomfield | CM | Oakland | 21 | 7 | 540.65 | |
| 10/22/2025 | David H Shepard Park | Oak Park | RR | Oakland | 2 | 0 | 40.55 | |
| 10/29/2025 | Maynard "Red" Aurand Memorial | New Balitmore | AB | Macomb | 4 | 0 | 45.6 | |

Totals: 30 392 173 4585.22

APPENDIX H

Presentations and Workshops

Contents

Tracking Sheet for 2024 Adopt-A-Stream program

Tracking Sheet for 2025 Adopt-A-Stream program

Flyers for Adopt-A-Stream Trainings

Sign-In/Attendance Sheets for Adopt-A-Stream Trainings

Tracking Sheet for 2024 Presentations and Workshops

Tracking Sheet for 2025 Presentations and Workshops

Flyers for Community Presentations and Workshops

Sign-in sheets for Community Presentations and Workshops

Adopt-A-Stream Program Tracking 2024

| Date | Location | Description | Total attendance | # of sites (for monitoring) | Subwatershed |
|------------------|--|-------------------------------|------------------|-----------------------------|--------------------|
| 4/15/2024 | Online in partnership with Ray Township Library | Virtual training | 7 | | North Branch |
| 4/18/2024 | Van Hoosen Farms | Regular training for AAS | 1 | | Stony/Paint Creek |
| 4/22/2024 | Online in partnership with Clinton Macomb Libra | Virtual training | 2 | | Clinton River East |
| 4/27/2024 | CRWC Office in Rochester Hills | Training with Bug ID training | 6 | | Clinton River Main |
| 5/4/2024 | Watershed-wide | Spring monitoring date | 163 | 48 | All |
| 9/14/2024 | Online in partnership with St. Clair Shores Libran | Virtual training | 6 | | Coastal |
| 9/17/2024 | Drayton Plains Nature Center | Regular training for AAS | 1 | | Upper Clinton |
| 9/19/2024 | Orvis store in Royal Oak | Training with Bug ID training | 8 | | Red Run |
| 9/30/2024 | MacDonald Public Library | Regular training for AAS | 6 | | Coastal |
| 10/5/2024 | Watershed-wide | Fall monitoring date | 144 | 43 | All |
| | | Stonefly | | | |
| | | | | | |
| | | | | | |
| Totals | | 10 | 344 | 91 | |

Adopt-A-Stream Program Tracking 2025

| Date | Location | Description | Total attendance | # of sites (for monitoring) | Subwatershed |
|---------------|--|----------------------|------------------|-----------------------------|--------------|
| 4/10/2025 | CRWC Office | Team leader training | 23 | | All/CM |
| 4/16/2025 | Virtual in partnership with Orion Library | Basic training | 9 | | UC |
| 4/17/2025 | Orvis Royal Oak | Bug ID | 13 | | RR |
| 4/24/2025 | Virtual in partnership with Mt. Clemens library | Basic training | 3 | | CREW |
| 5/3/2025 | Watershed wide | Monitoring date | 175 | 45 | All |
| 9/15/2025 | Virtual in partnership with Chesterfield Library | Basic training | 6 | | CC |
| 9/23/2025 | Waterford Public Library | Basic training | 4 | | UC |
| 9/24/2025 | Ray Township Library | Basic training | 2 | | NB |
| 9/29/2025 | Orvis Royal Oak | Bug ID | 3 | | RR |
| 10/4/2025 | Watershed wide | Monitoring date | 175 | 43 | All |
| | | Stonefly | | | |
| | | | | | |
| | | | | | |
| Totals | | 10 | 413 | 88 | |

Adopt-A-Stream



You don't have to be a scientist to make big improvements in the local lakes, rivers, and streams! Everyday people getting involved in water quality monitoring has resulted in positive changes across the nation, the state, and right here in the Clinton River watershed.

A stream's health can be determined by the number and types of bugs and aquatic insects that live in it. In May and October, Adopt-A-Stream volunteers help the Clinton River Watershed Council gather valuable data that is utilized to assess water quality and support important decision-making regarding waterway protection and restoration.



HOW IT WORKS

Volunteers are broken into groups to survey sites throughout the watershed. Each group is assigned a site, and many groups return to the same site every year.

Team Leaders help their groups coordinate and follow site procedures to ensure that data is being collected in a safe and consistent way. Participants collect samples from the river using a net, pick macroinvertebrates from the samples, identify habitat types, and report on stream characteristics.

GET INVOLVED

Anyone interested in participating in Adopt-A-Stream is welcome to attend. While no formal experience is required to assist with water quality monitoring, it is recommended that volunteers take one of the [Adopt-A-Stream Trainings](#).

Register for a training or check out additional information on our website to get started.



ADOPT-A-STREAM MONITORING

October 5, 2024

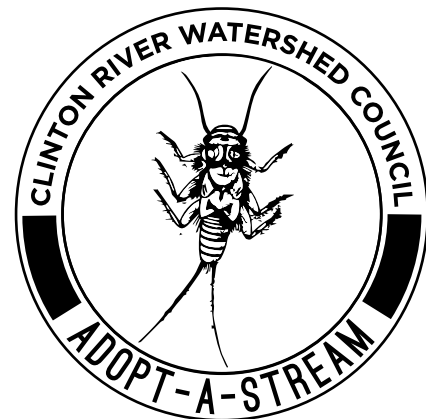
The Adopt-A-Stream monitoring date and time are set, but each group can coordinate with their site leader if another time works better for the group.

LEARN MORE & REGISTER

Learn more, register for trainings, and register to participate in Adopt-A-Stream by scanning the QR Code or by visiting [CRWC.org](https://crwc.org) under **Programs → Adopt-A-Stream**.



crwc.org/adopt-a-stream



Adopt-a-Stream Trainings

Adopt-a-Stream Trainings



Adopt-A-Stream is a volunteer-based initiative that empowers community members to protect local streams and rivers by monitoring water quality.

TEAM LEADER TRAINING

April 10, 5:30 - 7 PM
At the CRWC office

PARTICIPANT TRAINING

April 16, 6 - 7 PM
Virtual in partnership with Orion Township Public Library

BUG ID TRAINING

April 17, 5 - 6:30 PM
At Orvis Royal Oak

PARTICIPANT TRAINING

April 24, 6 - 7 PM
Virtual in partnership with Mount Clemens Public Library



Scan here to register

Adopt-A-Stream is a volunteer-based initiative that empowers community members to protect local streams and rivers by monitoring water quality.

TEAM LEADER TRAINING

April 10, 5:30 - 7 PM
At the CRWC office

PARTICIPANT TRAINING

April 16, 6 - 7 PM
Virtual in partnership with Orion Township Public Library

BUG ID TRAINING

April 17, 5 - 6:30 PM
At Orvis Royal Oak

PARTICIPANT TRAINING

April 24, 6 - 7 PM
Virtual in partnership with Mount Clemens Public Library



Scan here to register

Adopt-A-Stream Training

OCT. 4, 2025: Adopt-A-Stream is a volunteer-based initiative that empowers community members to protect local streams and rivers by monitoring water quality.

Scan to register



Sept. 15
6 - 7 PM
Virtual in partnership with Chesterfield Twp Public Library



Sept. 23
6 - 7 PM
Waterford Twp Public Library



Sept. 24
5:30 - 6:30 PM
Ray Twp Library



Sept. 29
5 - 6:30 PM
Orvis Royal Oak



Adopt-A-Stream Training

OCT. 4, 2025: Adopt-A-Stream is a volunteer-based initiative that empowers community members to protect local streams and rivers by monitoring water quality.

Scan to register



Sept. 15
6 - 7 PM
Virtual in partnership with Chesterfield Twp Public Library



Sept. 23
6 - 7 PM
Waterford Twp Public Library



Sept. 24
5:30 - 6:30 PM
Ray Twp Library



Sept. 29
5 - 6:30 PM
Orvis Royal Oak



| EVENT: BUG ID Training | | LOCATION: CRWC | | Send Me Information About: (please check all those that apply) | | |
|--------------------------|---|------------------------|----------------------------|---|------------|-------------------------|
| DATE: 4/27/24 | | PRESENTER: Mikela | | Future Presentations | Membership | Volunteer Opportunities |
| Name | Address/City/State | Zip Code | Email Address | X | X | X |
| Cathy Appleton | 617 Mechanic St | 48371 | yldwolfe@yahoo.com | | | |
| Eric Appleton | 617 Mechanic St | 48371 | yldwolf1@yahoo.com | | | |
| Garvin Drill | 149 Spruce Ln | 48307 | Garvin.Drill2@gmail.com | | | |
| James Glatfelter | 1665 ^{Rochester, MS} Snowy owl Ct | 48307 | Jimmy.glatfelter@gmail.com | | | |
| Auden Tymoszek | 33436 Chatsworth Dr. Sterling Heights, MI | 48312 48312 | atym017@gmail.com | | | |
| Jennifer Free | 1841 Westridge Rd Rochester Hills, MI 48306 | 48306 | jennifer.m.free@gmail.com | | | |
| Demail as team leader | | | | | | |
| | | | | | | |
| | | | | | | |

Kit
P/U
on
Wed

Neely
team

email
S+2
(Ray)

Any monitoring the weekend after?

e

CRWC Office AAS training 4/10/25

ID

Your name

What is your email address?

1 Warren DeWitt

warx2en@hotmail.com

2 Cathy Appleton

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3 Taylor Haugen

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4 Riley Demond

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5 Brian De Marco

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6 Eric Appleton

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7 Jennifer Free

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8 Michael Jurban

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9 Isabel Bauer

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16 Susan smagacz

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17 Nathan Tervo

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18 Brian De Marco

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19 Janice Moore

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20 Aubrey Moore

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21 Michael VanHorn

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22 Trevor

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23 Linda Gamage

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Attended - did not register

Elizabeth Schaldenbrand

13 Raymond Gilbert

Raymondgilbert8701@gmail.com

Orion Township Library AAS Training 4/16/25

| Name (original name) | Email |
|----------------------|-----------------------------|
| Amy Alder | amyalderevents@gmail.com |
| David Wirth | wirth.dave@gmail.com |
| Molly Marks | mollymarks19@gmail.com |
| Lily Beaudry | lilybeaudry25@gmail.com |
| Nora Hummel | hummelno@gmail.com |
| Karleene Maschke | karleene108@gmail.com |
| Janet Raymond | raymondfamily@ameritech.net |
| Rachel Falls Pleyte | rachelfalls78@gmail.com |
| Ryan Weiss | rweiss231@gmail.com |

Orvis AAS Training 4/17/25

| ID | Your name | What is your email address? |
|----|-----------------------|-----------------------------|
| 1 | Brenna Olko | klosbrenna@gmail.com |
| 2 | Molly Marks | mollymarks19@gmail.com |
| 3 | Ryan Weiss | Rweiss231@gmail.com |
| 4 | Rachel Falls Pleyte | rachelfalls78@gmail.com |
| 5 | Larry Kondek | lrkonqeng@gmail.com |
| 6 | Claire Raymond | claire.k.raymond@gmail.com |
| 7 | Christopher Jablonski | jablonski313@gmail.com |
| 8 | Marie Victor | Victor.e.marie@gmail.com |
| 9 | Malcolm Bradford | mbbradford@yahoo.com |
| 10 | Ryan Weiss | Rweiss231@gmail.com |
| 11 | Ally Maye-Bloom | ambloom@auburnhills.org |
| 12 | Michael Jurban | mikejurbansenior@yahoo.com |
| 13 | Andrew Berg | bergandrewj@gmail.com |

Mt. Clemens AAS Training 4/24/25

Name (original name) Email

Nethanya Fonseca nethanyafonseka@outlook.com

Marie Victor victor.e.marie@gmail.com

Kathryn Jenkins allard_kathryn@yahoo.com

Chesterfield Township AAS Training 9/15/25

Name (original name) Email

Robert (Max) Beec juliebeeckmanapple@yahoo.com

Adam Burns burnsaj3@gmail.com

John Burns

Tom Losiowski thoslos@yahoo.com

Luiza Ferreira luizaloverde@gmail.com

Terri Sant terri0124@yahoo.com

Waterford Library AAS Training 9/23/25

ID What is your full name? What is your email address?

Attended - Xavier Hill

2 Jennifer Hill

jennifer@crwc.org

3 Clinton adams

Clint@driftandroam.events

Attended - Kathrine Hahn

1 Lisa Schulte-Sentgerath

lisaschulte.sent5@gmail.com

Did not attend

Ray Library AAS Training 9/24/25

| ID | What is your full name? | What is your email address? |
|----|-------------------------|-----------------------------|
| 1 | China Huffman | Chinahuffman00@gmail.com |
| 2 | Ashley Gotschall | Ashley.gotschall@gmail.com |

Orvis AAS Training 9/29/25

ID

What is your full name?

What is your email address?

Attended - did not register Rebecca Kanka

2 J Chris Majni

Majnij@gmail.com

3 Chris prohaszka

Chris.prohaszka@ymail.com

1 Kristine Hahn

klhplants@yahoo.com

Community Presentations & Workshops 2024

| Event Title | Date | Time | # of presentations | Presenter | MS4 permittee | Location | Total Attendance | Subwatershed | Description | Notes |
|---|------------|---------------------|--------------------|----------------|--------------------------------|--|------------------|---|--|---------------------------------|
| Watershed Basics | 4/3/2024 | 7:30 AM | 6 | Kaleigh | Center Line | Center Line High School | 150 | Red Run | Presentation for students on the watershed, stormwater, and protection efforts | |
| Volunteer Opportunities | 4/8/2024 | 11:30 AM | 1 | Pronoye | Sterling Heights | Ike's Restaurant | 10 | Red Run | Sharing volunteer opportunities for residents such as Weekly Clean, Clinton Clean Up, and Adopt-A-Stream | |
| Rain & Pollinator Gardens | 4/9/2024 | 5:30 PM | 1 | Jeffery | Center Line | Center Line Library | 15 | Red Run | Rain Garden/Native plant presentation tying in local GSI installation | |
| Introduction to Clinton River Watershed | 4/15/2024 | 12:30 PM | 1 | Kaleigh | Macomb County/Clinton Township | Macomb Community College Center Campus | 30 | Clinton River East, North Branch, Coastal | Retiree program covering subwatersheds, water quality, stormwater threats, CSOs, and actions to | |
| Volunteer Opportunities | 5/14/2024 | 8:30 AM | 1 | Lydia | Grosse Pointe Shores | The Ford House | 10 | Coastal | Sharing volunteer opportunities for residents such as Weekly Clean, Clinton Clean Up, and Adopt-A-Stream | |
| RainSmart meeting: Rain Barrels & Native Plants | 5/22/2024 | 6:00 PM | 1 | Lydia | Royal Oak | | 10 | Red Run | | |
| Water is Connected | 6/20/2024 | 6:30pm | 0 | Kaleigh | Shelby Township | Shelby Township Public Library | 0 | Clinton River East | Connections between drinking water and surface water quality, for kids | Rescheduled due to power outage |
| Rain Gardens and Rain Barrels | 6/25/2024 | 7:00 PM | 1 | Kaleigh | St. Clair Shores | St. Clair Shores Public Library | 17 | Coastal | General rain gardens and rain barrels | |
| Water Is Connected | 8/15/2024 | 6:30PM | 1 | Kaleigh | Shelby Township | Shelby Township Public Library | 10 | Clinton River East | Connections between drinking water and surface water quality, for kids | |
| Rain & Pollinator Gardens | 8/15/2024 | 5:30 PM | 1 | Jeffery | Center Line | Center Line Library | 8 | Red Run | Rain Garden/Native plant presentation tying in local GSI installation | |
| Protecting Lake St. Clair | 9/11/2024 | 6:00 PM | 1 | Kaleigh | Grosse Pointe & others | Grosse Pointe Public Library | 9 | Coastal | Stormwater 101 as well as Lake specific recommendations for stewardship | |
| Garden Talk | 9/11/2024 | 6:00 PM | 1 | Jeffery | Royal Oak | | 10 | Red Run | Rain Garden/Native plant presentation tying in local GSI installation | |
| Streams Session: Conservation Stewards | 10/2/2024 | 6:00 PM | 1 | Kaleigh | Sterling Heights | Sterling Heights Nature Center | 20 | Clinton River East | In depth stream ecology and local stormwater context for MSU Conservation Stewards program | |
| Watershed 101 | 10/11/2024 | 2:00 PM | 1 | Kaleigh | Troy | Troy Public Library | 8 | Red Run | Watershed basics and tips for students to prevent pollution | |
| Introduction to Clinton River Watershed | 11/19/2024 | 10:00 AM - 12:00 PM | 1 | Kaleigh | Macomb County/Clinton Township | Macomb Community College Center Campus | 25 | Clinton River East, North Branch, Coastal | subwatersheds, water quality, stormwater threats, CSOs, and actions to prevent | |
| Watershed 101 | 12/5/2024 | 9:00 & 10:00 AM | 2 | Kaleigh | Sterling Heights | Carleton Middle School | 60 | Red Run | Watershed basics and tips for students to prevent pollution | |
| River Rally | 1/15/2025 | 6:00 PM | 1 | Lydia & Mikela | All | Virtual | 25 | All | Adopt-A-Stream information, volunteer opportunities, and water quality presentation | |
| Keeping Water Clean | 2/5/2025 | 9:00 AM & 10:00 AM | 2 | Kaleigh | Warren | Green Acres Elementary | 80 | Red Run | Watershed basics and tips for students to prevent pollution | |
| Volunteer Opportunities | 2/25/2025 | 7:30 AM | 1 | Kaleigh | Grosse Pointe Farms | Grosse Pointe United Methodist Church | 12 | Coastal | General presentation on water quality and how to get involved in local programs to protect it | |
| Watershed 101 | 2/27/2025 | 2:30 PM | 1 | Kaleigh | Rochester Hills | Van Hoosen Middle School | 30 | Stony/Paint, Clinton Main | Watershed basics and tips for students to prevent pollution | |

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|----------------------------|-----------|---------|-----------|---------|----------------------------------|---|------------|---------------|---|
| Get to Know Your Watershed | 3/3/2025 | 6:00 PM | 0 | Pronoye | Orion Township | Orion Township Library | 0 | Upper Clinton | |
| Kids Protecting Freshwater | 3/7/2025 | 4:30 PM | 0 | Pronoye | Macomb Township | Clinton Macomb Public Library | 0 | North Branch | |
| Rain Gardening 101 | 3/12/2025 | 6:00 PM | 1 | Kaleigh | Oxford Township | Oxford Public Library | 1 | Stony/Paint | Rain Garden/Native plant presentation tying in local GSI installation |
| Rain Gardening 101 | 3/17/2025 | 6:00 PM | 1 | Kaleigh | Clarkston, Independence Township | Clarkston Independence District Library | 2 | Upper Clinton | Rain Garden/Native plant presentation tying in local GSI installation |
| Rain Gardening 101 | 3/18/2025 | 6:00 PM | 1 | Kahlan | Rochester Hills | CRWC Office | 1 | Clinton Main | Rain Garden/Native plant presentation tying in local GSI installation |
| Rain Garden Talk | 3/27/2025 | 5:30 PM | 1 | Kaleigh | Center Line | Center Line Library | 3 | Red Run | Rain Garden/Native plant presentation tying in local GSI installation |
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| Totals | | | 30 | | | | 546 | | |

| Event Title | Date | Time | # of presentations | Presenter | MS4 permittee | Location | Total Attendance | Subwatershed | Description | Notes |
|---|------------|----------------|--------------------|-------------------------|------------------------------|--|------------------|---------------|---|---|
| Rain Garden Chat | 4/2/2025 | 6:00pm-8:00pm | 1 | Jeffery | Royal Oak | Royal Oak Library | 20 | RR | Shortened presentation on how to design a rain garden | |
| Watershed Basics | 4/3/2025 | 7:30am-1:30pm | 5 | Kaleigh | Center Line | Center Line High School | 105 | RR | Intro to watershed, water quality, and conservation methods | |
| Rain Garden Design Workshop | 4/28/2025 | 6:00pm-8:00pm | 1 | Kahlan | Rochester Hills | CRWC Office | 6 | CM | A detailed breakdown of key design features of a rain garden and feedback on designs | |
| Rain Garden Design Workshop | 6/12/2025 | 5pm-7pm | 1 | Kahlan, GSI Techs | Royal Oak | Royal Oak Library | 15 | RR | A detailed breakdown of key design features of a rain garden and feedback on designs | |
| Your Home, Your Community, Your Watershed | 6/25/2025 | 6:30-7:30PM | 1 | Pronoye | Macomb Township | Clinton Macomb Public Library - North Branch | 10 | NB | Subwatershed breakdown and general watershed history, steps to protect water | |
| Get to Know Your Watershed | 9/3/2025 | 5:30-7:30 PM | 1 | Shannon E | Lake Orion Twp | Lake Orion Town Hall | 1 | S/P | Subwatershed breakdown and general watershed history, steps to protect water | |
| Seed collection workshop | 10/11/2025 | 10:00-12:00 PM | 1 | Kaleigh & Shannon E | Rochester Hills | CRWC office | 4 | CM | Short presentation on native plant benefits for erosion control, pollutant breakdown, etc following by seed collection on prairie | |
| Get to Know Your Watershed | 10/23/2025 | 5:30-6:30 | 1 | Shannon E | Fraser | Fraser Public Library | 4 | East Main | Subwatershed breakdown and general watershed history, steps to protect water | |
| Get to Know Your Watershed | 11/4/2025 | 12:00-1:00 | 1 | Shannon E | Sterling Heights | Sterling Heights Public Library | 4 | East Main | Subwatershed breakdown and general watershed history, steps to protect water | |
| Get to Know Your Watershed | 11/12/2025 | 1:00-2:00 | 1 | Shannon E | Mount Clemens | Mount Clemens Public Library | 1 | East Main | Subwatershed breakdown and general watershed history, steps to protect water | |
| Get to Know Your Watershed | 1/13/2026 | 1:00-2:00 | 1 | Shannon E | Utica | Utica Public Library | 1 | East Main | Subwatershed breakdown and general watershed history, steps to protect water | |
| Get to Know Your Watershed | 2/3/2026 | 10:00-11:00 | 1 | Shannon E | Clarkston | Clarkston Independence Library | 1 | Upper Clinton | Subwatershed breakdown and general watershed history, steps to protect water | Recorded and shared via Independence Twp DPW page |
| Protecting Freshwater | 2/11/2026 | 1pm 2pm | 2 | Kaleigh | Warren | Green Acres Elementary | 100 | Red Run | Elementary school basics on the water cycle, Great Lakes connection, and how to protect freshwater | |
| Watershed 101 | 2/12/2026 | 8am & 12pm | 2 | Kaleigh | Sterling Heights | Carleton Middle School | 150 | Red Run | 6th grade presentation on watershed basics and protectig freshwater | |
| Get to Know Your Watershed | 2/17/2026 | 1:00-2:00 PM | 1 | Pronoye | Charter Township of Harrison | Harrison Township Public Library | 4 | Coastal | Subwatershed breakdown and general watershed history, steps to protect water | |
| Get to Know Your Watershed | 2/24/2026 | 5:30-6:30 | 1 | Shannon E | Lake Angelus | Waterford Township Library | 0 | Upper Clinton | Subwatershed breakdown and general watershed history, steps to protect water | |
| Landscaping Native Plants | 2/27/2026 | 6:30-8:30 | 1 | Designs by Nature, CRWC | Shelby Twp | Shadbush Nature Center | 22 | East Main/All | Focus on native plants and benefits to environment, water, and wildlife | |
| Rain to Roots | 3/1/2026 | 6:00 PM | 1 | Kahlan | Virtual | Virtual | 2 | All | Focus on residential GSI and options to participate in CRWC programs | |
| Watershed 101 | 3/25/2025 | 5:30 PM | 1 | Shannon E | Grosse Pointe | Grosse Pointe Library | | Coastal | Subwatershed breakdown and general watershed history, steps to protect water | |
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| Totals | | | 25 | | | | 450 | | | |

STORMWATER PRESENTATION:

PROTECTING LAKE ST. CLAIR

SEPTEMBER 11, 2024 • 6:00 P.M. - 7:00 P.M.

Lake St. Clair is a cornerstone of our community and offers unparalleled recreational opportunities and serves as a vital ecological resource. From boating and fishing to birdwatching and swimming, Lake St. Clair is a haven for outdoor enthusiasts. It serves as habitat for countless species and is an important part of the Great Lakes Basin, one of the largest freshwater ecosystems in the world.

Join the Clinton River Watershed Council for a free presentation on where water goes in your community, issues that impact Lake St. Clair, as well as what individuals and communities can do to help protect our freshwaters, such as planting rain gardens and clearing litter from storm drains.

This presentation is hosted in partnership with Grosse Pointe Park, Grosse Pointe Shores, Grosse Pointe Farms, and Grosse Pointe Public Library.

This educational presentation is free and open to the public - no experience required!



Grosse Pointe Public Library

10 Kercheval Avenue
Grosse Pointe, MI, 48236



NO REGISTRATION NEEDED

Learn more about the Clinton River Watershed Council, including our programs, events, and volunteer opportunities, by scanning the QR code or visiting crwc.org.



CLINTON RIVER WATERSHED COUNCIL



📍 1115 W Avon Road, Rochester Hills, MI 48309

📞 (248) 601-0606

🌐 crwc.org

✉ contact@crwc.org

PUBLIC EDUCATION PROGRAMS

Join the Clinton River Watershed Council (CRWC) to learn more about our watershed and how we can all help protect this important resource. All programs are free and open to the public.

GET TO KNOW YOUR WATERSHED

Join us for an introduction to the Clinton River watershed. We'll explore the region's geological history, land use changes through time, and what the watershed looks like today.

March 3, 2025, 6 PM

[Orion Township Library](#)

825 Joslyn Rd, Lake Orion, MI 48362

KIDS PROTECTING FRESHWATER

We use water each and every day, and we all play a part in protecting it. Join us as we dive into which creatures live in our backyards, where our water goes, and how kids can be powerful water warriors! Designed for children ages 7 - 14.

March 7, 2025, 4:30 PM

[Clinton Macomb Public Library North Branch](#)

54100 Broughton Rd, Macomb, MI 48042

RAIN GARDENING 101

A type of green infrastructure, rain gardens and rain barrels are used to capture and manage stormwater runoff on your property. Join us for this presentation and learn how to install and maintain these tools at home to mitigate flooding and utilize runoff to your benefit.

March 12, 2025, 6 PM

[Oxford Public Library](#)

530 Pontiac St., Oxford, MI 48371

March 17, 2025, 6 PM

[Clarkston Independence District Library](#)

6495 Clarkston Rd, Clarkston, MI 48346

March 18, 2025, 6 PM

[CRWC Office](#)

1115 W Avon Rd, Rochester Hills, MI 48309



Scan here to register!



RAIN GARDEN WORKSHOP

APRIL 28, 2025

6 - 8 PM

CRWC Office

Join us for a free Rain Garden Design Workshop! During this workshop, attendees will learn what a rain garden is and how to design and choose plants for a rain garden. Attendees will leave with a rain garden design plan on paper!



RAIN GARDEN WORKSHOP

APRIL 28, 2025

6 - 8 PM

CRWC Office

Join us for a free Rain Garden Design Workshop! During this workshop, attendees will learn what a rain garden is and how to design and choose plants for a rain garden. Attendees will leave with a rain garden design plan on paper!



RAIN GARDEN WORKSHOP

RAIN GARDEN WORKSHOP

June 12, 2025

5:30 - 7:30 PM

Royal Oak Public Library
222 East 11 Mile Road
Royal Oak, MI, 48067



June 12, 2025

5:30 - 7:30 PM

Royal Oak Public Library
222 East 11 Mile Road
Royal Oak, MI, 48067



Are you planning to install a rain garden on your property? Join us for a free Rain Garden Design Workshop! Attendees will learn how to design and select plants for a rain garden and will leave with a rain garden design plan on paper!

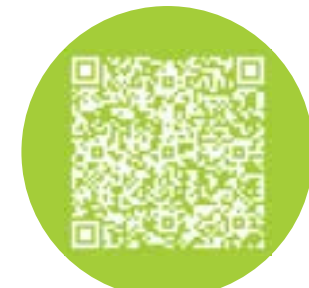
Are you planning to install a rain garden on your property? Join us for a free Rain Garden Design Workshop! Attendees will learn how to design and select plants for a rain garden and will leave with a rain garden design plan on paper!

This workshop focuses on the planting plan and design of rain gardens. To learn more about rain gardens, attend one of our Rain Gardens 101 presentations. For a more in-depth, step-by-step process about rain gardens, keep an eye out for the Master Rain Gardener course and become a certified Master Rain Gardener!

This workshop focuses on the planting plan and design of rain gardens. To learn more about rain gardens, attend one of our Rain Gardens 101 presentations. For a more in-depth, step-by-step process about rain gardens, keep an eye out for the Master Rain Gardener course and become a certified Master Rain Gardener!



Scan here to register



Scan here to register



1115 Avon Road, Rochester Hills, MI 48309

248-601-0606 crwc.org

contact@crwc.org



1115 Avon Road, Rochester Hills, MI 48309

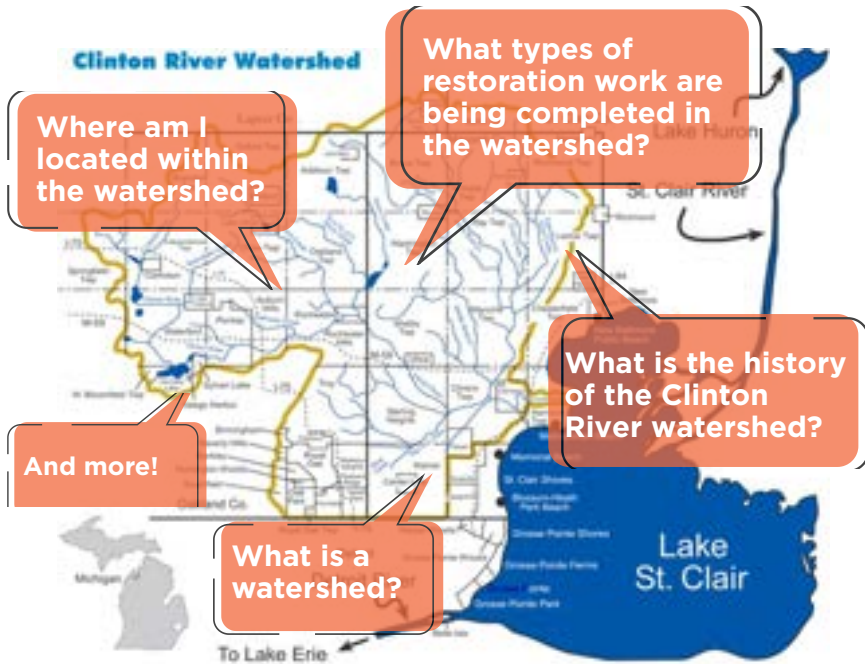
248-601-0606 crwc.org

contact@crwc.org

GET TO KNOW YOUR WATERSHED

Sept, 3, 2025
5:30 - 6:30 PM
Lake Orion Village Hall
21 E Church St
Lake Orion, MI 48362

Join us at Lake Orion Village Town Hall to learn more about the Clinton River Watershed. Get answers to questions such as:

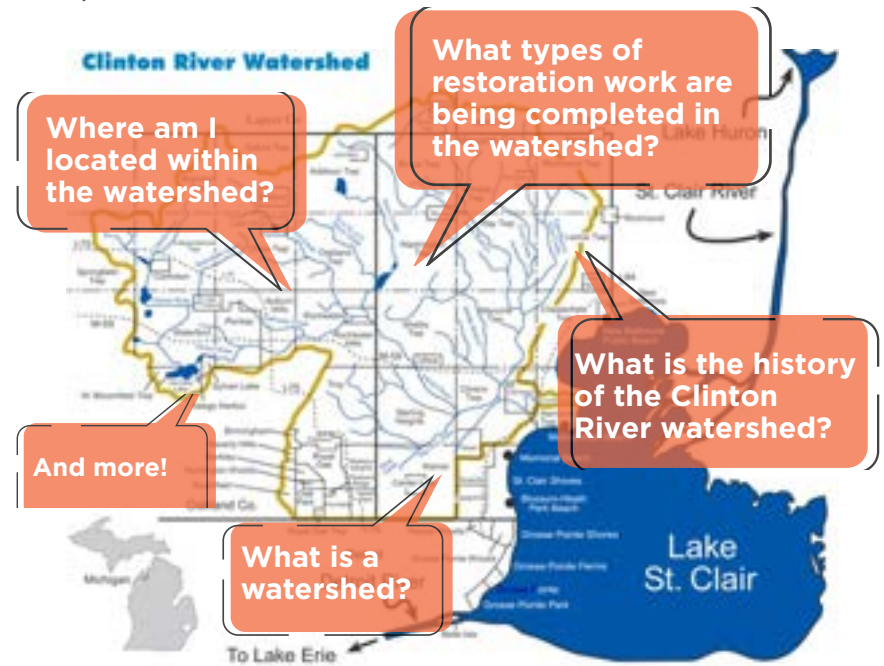


All members of the general public are welcome.

GET TO KNOW YOUR WATERSHED

Sept, 3, 2025
5:30 - 6:30 PM
Lake Orion Village Hall
21 E Church St
Lake Orion, MI 48362

Join us at Lake Orion Village Town Hall to learn more about the Clinton River Watershed. Get answers to questions such as:



All members of the general public are welcome.

SEED COLLECTION WORKSHOP

Oct. 11, 2025

10 AM - Noon

Clinton River Watershed Council Office

1115 W. Avon Road

Rochester Hills, MI 48309

Learn about the benefits of native landscaping related to water quality, how to identify common native plant species, and proper seed collection practices during CRWC's annual seed collection workshop. After the training, participants will get hand-on experience in seed collection. Seed collection rain date is Oct. 23.

No experience necessary. CRWC provides training and equipment necessary for seed collection. This is an outdoor workshop. Please wear closed toed shoes and long pants. Registration is required--scan the QR code to access the registration form.



Scan to register



SEED COLLECTION WORKSHOP

Oct. 11, 2025

10 AM - Noon

Clinton River Watershed Council Office

1115 W. Avon Road

Rochester Hills, MI 48309

Learn about the benefits of native landscaping related to water quality, how to identify common native plant species, and proper seed collection practices during CRWC's annual seed collection workshop. After the training, participants will get hand-on experience in seed collection. Seed collection rain date is Oct. 23.

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Scan to register



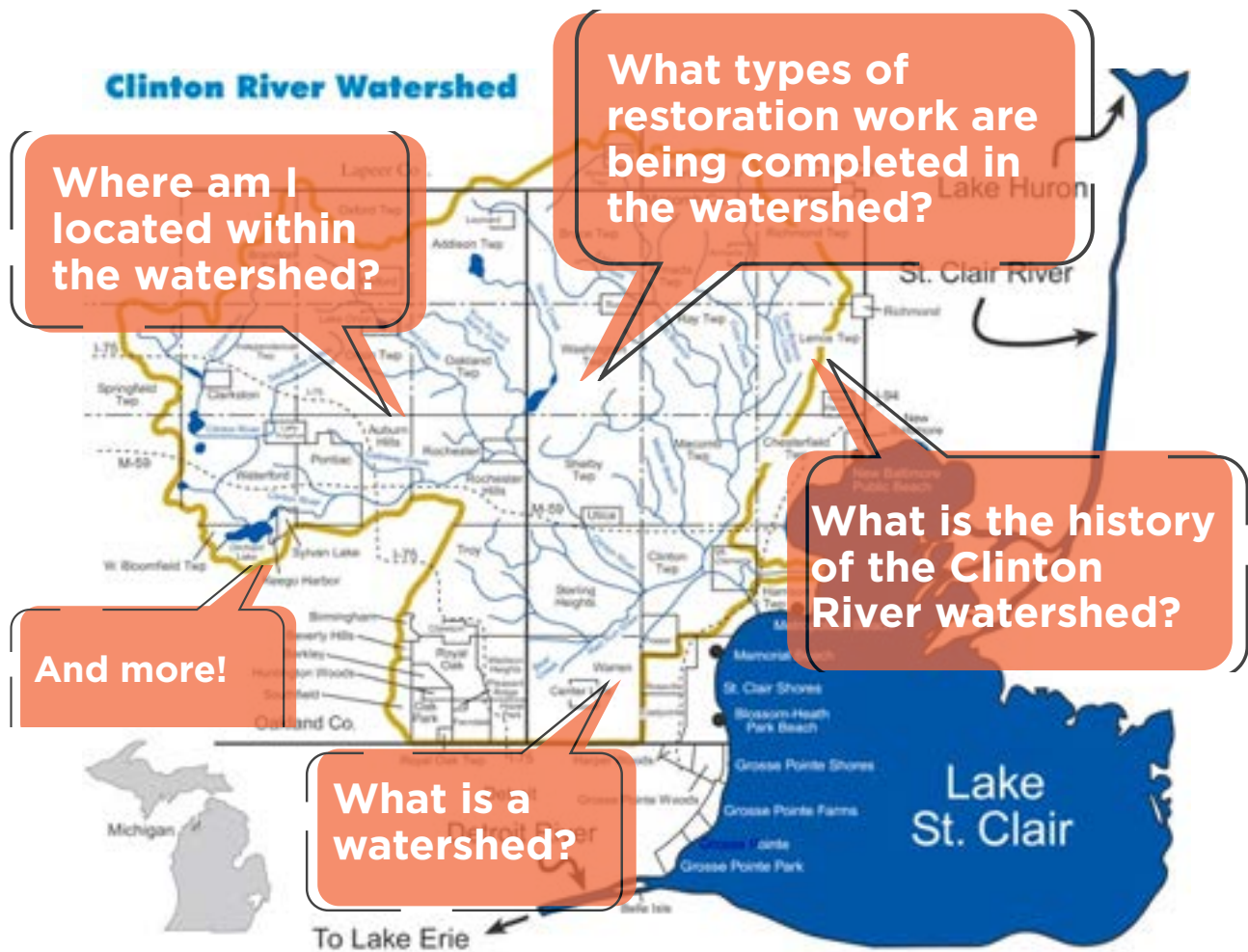
GET TO KNOW YOUR WATERSHED

Join us to learn more about the Clinton River Watershed.

October 23, 2025
5:30 - 6:30 PM
Fraser Library
15260 15 Mile Road
Fraser, MI 48026

November 4, 2025
1 - 2 PM
Sterling Heights Library
40255 Dodge Park Rd
Sterling Heights MI 48313

November 12, 2025
1 - 2 PM
Mount Clemens Library
150 Cass Ave
Mount Clemens, MI 48043



| EVENT: Rain Garden & Rain Barrels | | LOCATION: St. Clair Shows Public Library | | Send Me Information About: (please check all those that apply) | | |
|-----------------------------------|--------------------|--|--------------------------|---|------------|-------------------------|
| DATE: 6/25/24 | | PRESENTER: Kelly Smady | | Future Presentations | Membership | Volunteer Opportunities |
| Name | Address/City/State | Zip Code | Email Address | X | X | X |
| Julie Hardy | | 48081 | | | | |
| Barb Lex | | 48081 | | | | |
| John Bushaw | | 48080 | | | | |
| Chris Brandt | | 48080 | | | | |
| Heather Huran | | 48082 | HeatherHuran82@gmail.com | | | |
| Jan Drewek | | 48082 | JaniceDrewek@yahoo.com | | | |
| Sarah Houston | | 48081 | sfhouston41@gmail.com | | | |
| Linda Somers | | 48081 | | | | |
| Alan + Lynette Essenmacher | | 48081 | lessenmacher@gmail.com | | | |

| EVENT: <i>Rain Gardens & Rain Barrels</i> | | LOCATION: <i>St. Clair Shores Public Lib</i> | | Send Me Information About: (please check all those that apply) | | |
|---|-----------------------------------|--|------------------------------------|---|------------|-------------------------|
| DATE: <i>4/25/24</i> | | PRESENTER: <i>Katlyn Smolky</i> | | Future Presentations | Membership | Volunteer Opportunities |
| Name | Address/City/State | Zip Code | Email Address | X | X | X |
| <i>SUSAN REYNOLDS</i> | <i>28211 ROY CCS</i> | <i>48081</i> | <i>SUSANREYNOLDS6405@YAHOO.COM</i> | | | |
| <i>Marilyn Walker</i> | <i>24612 Un'suline St</i> | <i>48080</i> | | | | |
| <i>Julie Mertz</i> | <i>22112 Lange St</i> | <i>48080</i> | <i>Julesju@hotmail.com</i> | | | |
| <i>Tom Lozon</i> | <i>21301 Fresand</i> | <i>48080</i> | <i>TomWrench1@MSU.com</i> | <i>X</i> | <i>X</i> | |
| <i>Georgia Gurdick</i> | | <i>48089</i> | | | | |
| <i>RICK WEBB</i> | | <i>48080</i> | <i>rckwebb553@yahoo.com</i> | <i>X</i> | | |
| <i>ROBERT LOWE</i> | <i>30007 MANHATTAN SCIS 48082</i> | <i>48082</i> | <i>NONE</i> | <i>X</i> | | |
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| EVENT: Protecting Lake St. Clair | | LOCATION: Grosse Pointe Library | | Send Me Information About: (please check all those that apply) | | |
|----------------------------------|-----------|---------------------------------|-------------------------------------|---|------------|-------------------------|
| DATE: 9/11/24 | | PRESENTER: Kelsey Snoddy | | Future Presentations | Membership | Volunteer Opportunities |
| First Name | Last Name | Zip Code | Email Address | X | X | X |
| Mary | Shurt | 48236 | mshurt@grossepointelibrary.org | X | | |
| Fred | Cowles | 48842 | fred.cowles@cowlesuniversitytel.com | X | X | |
| Ken | MATZ | 48230 | CYBPAL@AOL.COM | X | X | |
| Kelly | Konieczki | 48230 | momcatkelly@yahoo.com | X | | X |
| Arleen | HANSEN | 48230 | arleenhansen@xps.net | X | | |
| JAY | | 48236 | | | | |
| Christof | Haindl | 48230 | christof.haindl@thairwells.com | X | | |
| John | ZETNER | 48230 | jz52@duck.com | X | | |
| VASSILIS | JACOBY | 48230 | VASSILIS.JACOBY | X | X | |
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TOTAL ATTENDANCE:

9

EVENT: Ram Garden 101 **LOCATION:** Oxford PL

DATE: 3/12/25 **PRESENTER(S):** Kalyi

| First Name | Last Name | Community/Organization | Email Address |
|------------|-----------|------------------------|---------------|
|------------|-----------|------------------------|---------------|

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|---------|-------|--|--------------------------|
| Kristin | Kraus | | kristinleigh93@gmail.com |
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| EVENT: Rain Garden Design Workshop | | LOCATION: 1115 W. Avon Rd. Palmetto Hills, FL 32355 | | Send Me Information About: (please check all those that apply) | | |
|------------------------------------|--------------------|---|---------------------------|---|------------|-------------------------|
| DATE: 4/28/15 | | PRESENTER: Kathleen | | Future Presentations | Membership | Volunteer Opportunities |
| Name | Address/City/State | Zip Code | Email Address | X | X | X |
| Amy Huyghe | | | forevermail@yahoo.com | X | | |
| Donna Lang | | | dlang42b@gmail.com | X | | |
| HEK Margaret Jelsma | | | rdjelsma@comcast | X | | |
| Margaret Miehls | | | margaret.miehls@gmail.com | X | | |
| CONNIE YEO | | | PAINTER54@AMERITECH.NET | X | | |
| Alyson McAdams Anick Kuna | | | alysonhmcadams@gmail.com | X | | |
| | | | | | | |
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| EVENT: Seed Collection 2025 | | LOCATION: CRWC office | | Send Me Information About: (please check all those that apply) | | |
|-----------------------------|------------------------|----------------------------|-----------------------|---|------------|-------------------------|
| DATE: 10/11/25 | | PRESENTER: Kalis + Shannon | | Future Presentations | Membership | Volunteer Opportunities |
| First Name | Last Name | Zip Code | Email Address | X | X | X |
| Matthew | DeSantis | 48071 | MattD8123@GMAIL.COM | X | X | X |
| Matthew Matthew | Walker welc | 48073 | matswelc@gmail.com | | | |
| Marica | Walker | 48073 | moniwalk1@gmail.com | | | |
| Clara | Hughes | 48092 | ClaraMayfly@gmail.com | X | | X |
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TOTAL ATTENDANCE:

Fraser Public Library

10/23/25

Presenter: Shannon Fruin

Get to Know Your Watershed

Ja'qour Blunt - 313-418-6431

OAKLAND COUNTY - VOLUNTEER

open availability.

positions

Linnea Montgomery

linnea.montgomery@gmail.com

Sandra Jones (wants training info.)

sgjones586@gmail.com

Landscaping with Native Plants - Vern Feb 26, 2026

| Name - First Name | Name - Last Name | How many people are attending with you? (Not including yourself) |
|---------------------|---------------------------------------|--|
| Donna | Keller | 1 |
| Michelle | Laurain | 0 |
| Marian | Hampson <i>dropped out</i> | 0 |
| ✓ Jeanine | Offer <i>JO</i> | 1 |
| Marie | Donigan | 1 |
| Jennifer | Grider | 1 <i>JG</i> |
| Ian | McCain | 1 |
| Helen | Strahl <i>HS</i> | 0 |
| Mark | Sellnau | 1 |
| Andrew | Zaccardelli | 0 |
| Kerry | Highbarger | 0 <i>KH</i> |
| Catherine | Norton | 0 |
| ✓ Jenny | Emerick <i>JE</i> | 2 |
| * Maria | Richie <i>(see below)</i> | 2 |
| Veronica | Leung <i>VL</i> | 0 |
| Jennifer | Goldstein | 0 |
| Michael | Tyler <i>MYST</i> | 0 |
| Anne | Thieda <i>AT</i> | 2 |
| Tracey | Taylor <i>TT</i> | 0 |
| Beth | Curd | 1 |
| Allison | Sommerville <i>AS</i> | 0 |
| Jasmine | Burnside | 0 |
| J | D | 2 |
| Julia | Kelley | 0 |
| Elizabeth | Cunningham | 0 |
| Lynn | Conlen <i>LC</i> | 0 |
| Janine | Polewarczyk <i>JPO</i> | 1 |
| Patricia | Hambleton <i>PA</i> | 0 |
| Erin | Reidy <i>ER</i> | 0 |
| Kathryn | Hayter | 1 |
| Amanda | McMahanon <i>AM</i> | |
| Maria | Richie <i>MR</i> | |
| Joann | Bologna <i>JB</i> | |
| Lou | EMERICK | |

Please Initial next to your name or next to who signed up for the workshop

1 _____

0 _____

0 _____

1 _____

1 _____

1 *JG* _____

1 _____

0 _____

1 _____

0 _____

0 _____

0 *KH* _____

0 _____

2 _____

2 _____

0 _____

0 _____

0 _____

2 _____

0 _____

0 _____

1 _____

0 _____

0 _____

0 _____

0 _____

1 _____

0 _____

0 _____

1 _____

did not sign up - Lynn
 Becky
 Wagner
 Ely