

**Oakland County Phase II Stormwater Biennial Progress Report
Summary for Community Use
Prepared by the Oakland County Water Resources Commissioner's Office
October 1, 2019 – September 30, 2021**

The Oakland County Water Resources Commissioner's Office (WRC) has prepared this summary to assist Oakland County communities in preparing their Phase II Stormwater Biennial Progress Report. The following activities were implemented by Oakland County during fiscal years 2020 and 2021 (FY 2020/2021) to protect and restore water resources throughout Oakland County. A complete copy of Oakland County's 2020-2021 Stormwater Biennial Progress Report will be available on the Oakland County Web site at <https://www.oakgov.com/water/stormwater/Pages/stormwater-reports.aspx> on or before April 1, 2022. For additional information on the programs listed below or other environmental programs offered by the WRC, please contact our Environmental Team at 248-858-0958 or envreq@oakgov.com.

Environmental Program Highlights

Household Hazardous Waste Recycling

The Oakland County Waste Resource Management Division sponsored seven (7) household hazardous waste disposal days in FY 2020/2021:

- October 12, 2019, September 26, 2020, October 10, 2020, June 26, 2021 and September 25, 2021 at the Oakland County Service Center Campus in Pontiac
- April 24, 2021 at Oxford Middle School in Oxford
- July 24, 2021 at Kensington Church in Orion Township

A total of 1,136,483 pounds of waste was collected during the seven collection events. Over the past eighteen years, residents of more than 61,000 households have disposed of more than 8 million pounds of hazardous materials which have been recycled or disposed of properly.

There were 27,635 website hits in FY 2020 and 42,219 website hits in FY 2021 to the County's Household Hazardous Waste Recycling Information.

Information on household hazardous waste disposal in Oakland County is available online at: www.nohaz.com.

Michigan Green Schools Program

The Michigan Green Schools program assists all Michigan schools – public and private – in achieving environmental goals. These goals include protecting the air, land, water and animals of our state along

with world outreach through good ecological practices and the teaching of educational stewardship. Students from pre-kindergarten through high school seniors are targeted. In FY 2020, 121 Oakland County schools have earned the Michigan Green School designation. Twenty-two (22) of the schools also received the special designation of Emerald Schools and 82 schools earned the Evergreen Schools status.

In FY 2021, 77 Oakland County schools earned the Michigan Green School designation. Fifteen (15) of the schools also received the special designation of Emerald Schools and 39 schools earned the Evergreen Schools status. Seventeen (17) of the 28 public school districts were represented in the program this year. Twelve (12) schools were awarded the “Green Education Award” which was offered to schools that wanted to participate in an environmental activity but could not meet all of the Green Schools requirements due to COVID-19.

Information on the program for Oakland County is available on Oakland Schools’ [website](#).

Native Plant Initiative

In the summer of 2020, the Oakland County Board of Commissioners launched the Native Plant Initiative. The program is designed to educate residents about the ecological benefits of cultivating native plants. Native plants help prevent the spread of invasive species which can crowd out other local species, contribute to erosion, promote the use of toxic pesticides and cause other problems for natural habitats.

Events hosted in the fall of 2020 and spring of 2021 have helped distribute 700 bundles, each containing dozens of native plants, to residents from many cities, villages and townships across Oakland County. Participants signed an environmental stewardship pledge and received kits with native flora along with information on how to plant and care for these beneficial species in their own gardens.

Oakland County Clean, Drain, Dry, Dispose (CD3) Pilot Program

In the summer of 2020, the Oakland County Board of Commissioners (BOC) established the Clean, Drain, Dry, Dispose (CD3) Pilot Program to raise awareness about the dangers of invasive aquatic species and to educate residents about how to help prevent the spread of these species in Oakland County waters. The CD3 Pilot Program utilizes mobile boat cleaning stations to empower local water enthusiasts to better protect Oakland County waterways. These stations help users to clean, drain and dry their watercraft, and to dispose of any living organisms (plant or animal) that may be clinging to the crafts. With support from Oakland County Parks and Recreation, the pilot program ran for the final weeks of the 2020 boating season and relaunched at the beginning of the 2021 season. Additional resources related to the effort are available [here](#).

Oakland County Cooperative Invasive Species Management Area (CISMA)

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 CISMA is available online at: <https://www.michiganinvasives.org/occisma/> and at <https://www.sixriversrlc.org/oakland-county-cisma>. The Oakland County CISMA Annual Reports for 2020 and 2021 are available [here](#).

Oakland County Street Tree Enhancement Match Grant Program (OAKSTEM)

In FY 2021, the Oakland County Street Tree Enhancement Match Grant Program (OAKSTEM) was started as a pilot program by Oakland County Planning & Local Business Development to decrease impervious surface area and increase the tree canopy in communities that make up the George W. Kuhn (GWK) Drainage District. Of the fourteen (14) communities eligible to participate in the program, twelve (12) communities have submitted applications to participate including Berkley, Beverly Hills, Birmingham, Clawson, Ferndale, Hazel Park, Huntington Woods, Madison Heights, Oak Park, Pleasant Ridge, Royal Oak and Royal Oak Township.

Oakland County Campus Sustainability Plan

In FY 2021, Oakland County hired its first Environmental Sustainability Officer. The County has contracted with AECOM to assist in developing a Sustainability Plan that will be completed in Summer 2022. The County is currently seeking input on the plan and details on the planning effort can be explored online [here](#). The plan will explore sustainability initiatives related to four themes: Energy & Emissions, Campus Operations, Nature & Ecosystems, and Health & Wellness.

Operation Medicine Cabinet (OMC) Program

There are currently 37 drop-off sites throughout Oakland County where unused pharmaceuticals can be properly disposed of. Locations include local Departments of Public Safety, 13 Oakland County Sheriff's offices and 24 additional law enforcement locations throughout Oakland County within the following communities: Addison Twp, Auburn Hills, Beverly Hills Village, Brandon Twp, Birmingham, Bloomfield Hills, Bloomfield Twp, Clawson, Commerce Twp, Farmington Hills, Hazel Park, Highland Twp, Holly, Huntington Woods, Independence Twp, Keego Harbor, Lyon Twp, Madison Heights, Oakland Twp, Oak Park, Orchard Lake, Orion Twp, Oxford Twp, Village of Oxford, Pontiac, Rochester, Rochester Hills, Royal Oak, South Lyon, Springfield Twp, Troy, West Bloomfield, White Lake and Wixom. Additional information can be found online [here](#).

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 [here](#).

There were a total of 2,284 hits to the OMC website in FY 2020 and 2,043 hits in FY 2021.

Stormwater Utility Legislation

In 2014, the WRC convened a workgroup of stakeholders to assemble language for a bill that would help clarify how communities can establish dedicated funding sources for managing their stormwater systems. A bill to enact new law known as the "Stormwater Utility Act" has been introduced in Lansing many times over the past several years without gaining enough momentum to be addressed by the full Legislature. As of FY 2021, the WRC has recommended a pause on any action due to pending court cases that may be decided favorable to a stormwater utility and then the bill would need to be amended significantly, or perhaps not needed at all. The WRC is beginning to work on revisions to a draft bill to gain community feedback and meet needs on stormwater utility guidance.

Wildlife Habitats of Oakland (WHO) Certification

Wildlife Habitats of Oakland (WHO) is a collaborative effort among leading conservation groups, county government and nonprofit agencies in Oakland County. WHO is working in conjunction with the National Wildlife Federation to accomplish the following goals:

- Create a network of wildlife-friendly habitats in residential yards, businesses, parks, trails and other publicly owned lands
- Raise awareness about the importance of pollinators and other indicator species
- Recognize the significant role that native plants have in fostering a healthy environment
- Certify all of Oakland County as a National Wildlife Federation Community Wildlife Habitat

More information is available on the WHO [website](#).

WRC Storm Drain and Sanitary Sewer Projects Under Development, Under Construction and Recently Completed

The WRC has a complete listing of current, future and recently completed storm drain and sanitary sewer projects that are implemented to protect our natural resources from water pollution and are available on WRC's [website](#). A summary report of Drain projects conducted in FY 2020 is available [here](#).

Public Education Program Highlights

Art-Fish-Fun Festival

The WRC, in partnership with The Art Experience in Pontiac, Pure Oakland Water, the City of Pontiac and the Clinton River Watershed Council, has hosted the annual Art-Fish-Fun Festival in Beaudette Park in Pontiac in June of each year. The event is aimed to educate and engage the public in environmental education in a fun-filled way. Due to the COVID-19 pandemic, the FY2020 festival scheduled for June 13, 2020 had to be cancelled.

In FY2021, the event pivoted to include the distribution of 100 Water Education “Craft Kits” to youngsters and a park cleanup was held at Beaudette Park on June 12, 2021 with a total of 14 attendees.

Clinton River Water Festival

Due to the COVID-19 pandemic, the FY2020 festival scheduled for May 15, 2020 had to be cancelled. The event did not take place in FY2021 due to the continuing pandemic and restrictions on class field trips.

Contractor Training Related to Stormwater Management Activities

In FY 2013, the WRC added stormwater pollution prevention language to the “Notes” section on its soil erosion and sedimentation control details sheet (available online [here](#)) as part of the WRC’s Soil Erosion

and Sedimentation Control Program to address the contractor training requirements of the Phase II Stormwater permit. The stormwater pollution prevention language states:

“While performing work involving grounds maintenance and/or the construction/maintenance of any infrastructure, including roads, water mains, sanitary sewers, storm drains and stormwater best management practices (BMPs), contractors shall minimize pollution from stormwater runoff that can affect water quality related to work activities. Pollutants that could impair water quality may include fuel, grease and oil, nutrients, bacteria and pathogens, litter and debris, and soil erosion and sedimentation. Applicable BMPs shall be implemented by the contractor to the maximum extent practicable to protect water quality and wildlife habitat.”

For those communities that utilize WRC to administer its SESC program (which includes 21 cities, 18 townships and nine villages in Oakland County – see map of community coverage [here](#)), you would be covered by WRC’s SESC program for these requirements.

Kids’ Clean Water Calendar Contest

The WRC received nearly 900 entries from fourth and fifth grade students throughout Oakland County for the 2020 and 2021 Calendar Contests. Winning entries were included in 13,000 calendars that were distributed to homeowners, municipalities, businesses and schools throughout Oakland County and beyond.

A new [website](#) was developed with details on the contest and an online gallery of the 2021 calendar winning entries was created this year and is accessible [here](#). In FY 2020, the website received 1,338 hits and 791 hits in FY 2021.

Oakland County *Dirt Doctors* Program

The Dirt Doctors program is designed to teach children how individual actions affect our waterways. It explains the connections between vegetation, soil erosion and water quality in a fun-filled, interactive way. During FY 2020/2021, the WRC Dirt Doctors educated more than 640 students, adults and teachers through nine (9) presentations at three (3) events located in Detroit, Pontiac, and West Bloomfield. Due to the COVID-19 pandemic, 14 scheduled events in FY2020 had to be cancelled.

A pre-recorded version of the Dirt Doctors program was developed in September 2020 and is available online [here](#). As of September 30, 2021, the video has been viewed 136 times.

Oakland County Environmental/Natural Resource-Related Web Sites

The WRC continues to enhance and maintain its website: www.oakgov.com/water with county residents in mind. A separate e-mail address is used for handling environmental questions, requests for services and materials at: envreq@oakgov.com. The WRC also maintains a website on riparian education information at www.oakgov.com/riparian (226 hits to the website in FY 2020 and 223 hits in FY 2021). The County’s 24-Hour Pollution Hotline is available [here](#) (903 hits to the website in FY 2020 and 893 hits in FY 2021). WRC also has a main page to its Environmental Education resources [here](#) and that site had 552 hits in FY 2020 and 228 hits in FY 2021.

In FY 2018, Oakland County Information Technology developed a Seven Simple Steps to Clean Water Story Map and that is available [here](#); a link to the Story Map is on WRC's "Seven Simple Steps to Clean Water" website [here](#). 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 144 hits to the Seven Simple Steps to Clean Water website in FY 2020 and 226 hits in FY 2021. The Storymap received 159 hits in FY 2020 and 129 hits in FY 2021. In FY 2021, WRC developed a "Find Your Watershed" feature available in ARC GIS and is accessible [here](#).

The Oakland County Planning and Economic Development department continues to host and update the Oakland County Environmental Stewardship [website](#). There were 650 hits to this website in FY 2020 and 791 hits in FY 2021.

The Oakland County Parks and Recreation Commission also hosts a comprehensive [website](#) which features a calendar of events, stewardship opportunities, links to countywide parks and trails and other natural resource-related information for Oakland County. There were 666 hits to this website in FY 2020 and 684 hits in FY 2021. OC Parks' trail network site [here](#) had 13,930 hits in FY 2020 and 10,493 hits in FY 2021.

MSU-Extension has a host of natural resource education resources available on its website [here](#). There were 226 hits to this website in FY 2020 and 269 hits in FY 2021.

Oakland County *Enviroscape*™ Watershed Model Program

The WRC *Enviroscape*™ Watershed Model program 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. During FY 2020, approximately 435 students and 20 teachers/chaperones in 12 different presentations at 3 different events located in Detroit, Pontiac, and White Lake Twp were reached with in-person instruction.

Due to the COVID-19 pandemic, many in-person events were cancelled. A pre-recorded version of the Watershed Model program was developed in September 2020 and is available online [here](#). As of September 30, 2021, it had 351 views. The video was shared on the WRC's Facebook page [here](#). The video was also featured on the *Enviroscape* watershed model developer's YouTube "Favorites" channel [here](#).

Lakefront Lifestyles Magazine Advertisements and Articles

Public education messages were placed in the April to September issues of *Lakefront Lifestyles* magazine. The messages included pet care, fertilizers, household hazardous waste disposal, earth-friendly landscaping, septic system maintenance and storm drain awareness.

MSU-Extension staff published 17 articles highlighting upcoming MSU Extension programs, resources and water quality protection issues relevant to residents on Oakland County lakes. Topics have included using native plants along the shoreline, maintaining septic systems, drinking water, and lake processes in the winter. Each month, a relevant MSU Extension resource or upcoming program was highlighted, such

as the Michigan Inland Lakes Convention or Introduction to Lakes Online. All articles are archived on the *Lakefront Lifestyles* magazine web site [here](#).

Lakefront Lifestyles magazine is published monthly and reaches approximately 15,400 homeowners on any of 223 lakes within the west and central areas of Oakland County annually.

One Water Education Campaign

In a partnership between SEMCOG, the Great Lakes Water Authority and the Cranbrook Institute of Science, a regional public education campaign was unveiled in FY 2019 called "One Water". The goal of the campaign is to bring greater awareness of the connection between our drinking water, wastewater and stormwater systems and how it is all "One Water" and a resource that must be cared for with a shared responsibility. The tools of that campaign include: educational videos, Public Service Announcements on television and radio, billboard advertisements, tip cards, a blog series (one article on each topic of stormwater, wastewater and drinking water), an online resource center and giveaways including FOG disposal bags, reusable water bottles and pet waste baggies. The resource materials are available online at: mionewater.com.

Commissioner Nash was featured in a One Water video highlighting programs and best practices in Oakland County and is available online [here](#). As of September 30, 2021, the video has received 109 views.

Onsite Sewage Disposal (Septic System) Maintenance Education

The WRC published an ad on proper septic system maintenance in the *Lakefront Lifestyles* magazine in its May/June 2020 and September 2021 issues which reach 15,400 riparian homeowners annually. Proper septic system operation and maintenance education is also provided in the [Waterfront Wisdom booklet](#).

Additionally, the Oakland County Health Department offers a septic system installer education class that instructs on the Oakland County Sanitary Code and policies related to onsite wastewater treatment systems. The class is open to contractors wishing to complete installations in Oakland County as well as private homeowners wishing to install their own septic system. There were eight (8) classes with 48 attendees in FY 2020 and 11 classes with 60 attendees in FY 2021.

MSU-Extension has a website on Septic System Education available [here](#). A comprehensive article titled, "Do Your Part, Be SepticSmart!" was published in the September 2020 edition of the *Lakefront Lifestyles* magazine. The article highlighted the basics of how septic systems work and the best practices for their use and maintenance. Another article published on September 1, 2021 on septic systems can be found online [here](#).

Regional Stormwater Summit

The 7th annual Regional Stormwater Summit was held on October 4, 2019, with approximately 250 people in attendance at Lawrence Technological University. The event is held in partnership with LTU, Pure Oakland Water and the WRC. The Summit's purpose is to bring together regional stakeholders to learn more about and share ideas on the latest and greatest information related to stormwater

management. All of the presentations and taped video of the event are available on the Pure Oakland Water website [here](#).

Due to the COVID-19 pandemic during 2020, the FY 2021 event did not take place.

Riparian Education

In June 2008, the WRC completed the development of riparian education materials entitled, "[Waterfront Wisdom-Healthy Habits for Clean Water](#)." The materials consist of a comprehensive booklet, as well as individual pamphlets on each of the seven "Healthy Habits for Clean Water." These materials can be viewed and downloaded at: www.oakgov.com/riparian. As of September 30, 2021, more than 16,700 booklets have been distributed throughout southeast Michigan. There are still copies available free of charge upon request. The booklet has also been specifically adapted to the [Clinton River](#) and [Rouge River](#) watersheds and is available digitally.

Rouge River Water Festival

Due to the COVID-19 pandemic, the FY2020 festival was held as a virtual event on October 20-23, 2020. The WRC partnered with the Cranbrook Institute of Science to present the Water Festival for the Oakland County portion of the Rouge River Watershed. The 18th annual Cranbrook Water Festival provided an educational and enjoyable learning experience that supports the objectives of school science programs for fourth and fifth grade students despite the format change.

Presenters from 14 different organizations donated video presentations and resources covering topics related to water quality, watershed health, wildlife, and pollution prevention. Four lesson plans for use during the school year were also provided, along with the materials needed to complete these lessons. Fifty-nine (59) teachers from 21 schools within the Rouge River Watershed participated each day, reaching a total of 1,561 students. An additional 14 schools and organizations, totaling 310 individuals, from outside of the watershed attending Zoom presentations, resulting in a daily attendance of ~1,800 participants.

The 2021 Rouge River Water Festival originally scheduled to be held in September was moved to a virtual format and will be held in FY 2022 (October 2021).

Water by the Quarter Program

Water Resources Commissioner, Jim Nash, hosts an online program produced by CMNtv that airs quarterly featuring environmental and water resource professionals that are interviewed about a variety of topics in an effort to increase the public's awareness and understanding on a host of topics related to our natural environment. During FY 2020 and 2021, there were 8 programs with a total of 484 views. A link to the online program and archived interviews can be accessed [here](#).

Illicit Discharge Elimination Program (IDEP) Summary

Oakland County 24-Hour Pollution Hotline

The WRC continues to staff the 24-hour Pollution Hotline (248-858-0931) where residents, municipalities and others can call to report surface water pollution in Oakland County.

Oakland County created this Pollution Hotline to address Phase II Stormwater Permit requirements and because individuals and municipalities wanting to report surface water pollution often were unclear about how to do so. This Hotline provides a clearinghouse for surface water pollution complaints resulting in consistent 24-hour response, or referral. Complaints are logged in a database and referred to the appropriate agency for action.

Oakland County received 83 complaints throughout 23 communities in FY 2020 and 2021. Investigation of these complaints resulted in the identification of 35 illicit discharge sources and elimination of 33 of those sources. An illicit discharge is pollution draining to surface water or the dumping of polluting material that can impact surface water.

The Oakland County Health Dept. acted on 99 septic-related customer complaints in FY 2020 and 78 septic-related complaints in FY 2021. The Health Department also completed 551 septic system failure evaluations in FY 2020 and 523 failure evaluations in FY 2021.

A detailed summary of WRC complaint investigations is provided in **Tables 1 and 2** at the end of this document.

Outfall/Discharge Point Surveys and Illicit Discharge Investigations

WRC continues to conduct stormwater outfall/discharge point surveys, stormwater structure inspections and follow-up investigations to locate and eliminate pollution from our waterways. An outfall/discharge point survey consists of GPS point location and illicit discharge screening, which includes visual inspection and sampling.

In FY 2020, WRC performed 5,183 inspections on structures located along 112 County Drains in 23 communities within the Clinton, Flint, Huron and Rouge River watersheds. A total of eight (8) drains were identified with suspect discharges. All 8 drains were investigated and one (1) illicit discharge was discovered. The source of this discharge was found to be a misconnected septic system to the Claude H. Stevens No. 4 Drain and was corrected.

In FY 2021, WRC performed 6,023 inspections on structures located along 117 County Drains in 15 communities in the Clinton, Huron and Rouge River watersheds. Based on the screening and sampling data, 102 of the 117 Drains were eliminated as having suspected sources of illicit discharges and follow-up investigations were conducted on 15 County Drains that indicated a high probability of dry weather illicit discharges including the Fracassi and Owens Drains in Southfield, the Claude H. Stevens 3 & 4 in

Bloomfield Twp, the Sharkey Drain in Madison Heights, the Kutchev Drain in Hazel Park, and Clark and Leonard Drains in the Village of Leonard.

A detailed summary of dry weather screening and IDEP investigations is provided in **Tables 3 and 4** at the end of this document.

In summary, during FY 2020 and 2021, 43 illicit discharges were discovered by WRC during complaint investigations, outfall/discharge point surveys, stormwater structure inspections and follow-up investigations. Of these, a total of 39 illicit discharges were corrected with the identified sources being eliminated. The remaining illicit discharge sources have been identified and are pending corrective action and elimination (expected to be corrected in FY 2022).

Pollutant Removal Summary for FY 2020 and 2021

The following pollutants were removed through the County's IDEP in FY 2020 and FY 2021:

- 29,546,424 gallons of sewage
- 3,031 gallons of fuel, oil and grease
- 2,200 pounds of sediment
- 55 gallons of hydraulic fluid
- Undetermined amount of chromium waste
- 55 gallons of Sodium Hypochlorite
- 2 gallons of fertilizer
- 250 cubic yards of broken concrete/fill material
- 0.5 gallon of tracing dye

A detailed summary of pollutants removed for each watershed are provided in **Tables 5 and 6** at the end of this document.

TABLE 1
WRC Pollution Hotline Complaint Summary Table for FY 2020

| Community | Number of Complaints | Illicit Discharges | Illicit Discharges Corrected | Complaint - Pollutant - Source of Discharge |
|--|----------------------|--------------------|------------------------------|---|
| Bloomfield Hills | 1 | 0 | 0 | Suspect Pipe Discharge to Pond |
| Bloomfield Twp | 1 | 1 | 1 | (1) Tanker Fire - Gasoline |
| Commerce Twp | 2 | 2 | 2 | (2) Broken Residential Sanitary Sewer to Union Lake; (3) Dirt Pile - Commercial Property Runoff to Road Drain |
| Farmington Hills | 2 | 1 | 1 | (4) Illegal Dumping - Restaurant Grease to Storm CB; Residential Pool Discharge |
| Ferndale | 1 | 0 | 0 | Sewer Odor in Storm Drain CB |
| Independence | 2 | 1 | 1 | (5) SESC - Construction Site; Yard Waste Dumping |
| Keego Harbor | 1 | 1 | 1 | (6) Garbage Truck - Hydraulic Fluid Leak to Storm CB |
| Lake Orion Village | 1 | 0 | 0 | Leaking UST at Lake Orion Marina |
| Madison Heights | 1 | 1 | ongoing | *** (7) Groundwater Contamination at Industrial Facility - Leaking onto I-696 |
| Milford | 1 | 0 | 0 | Residential Road Salt Complaint |
| Northville | 2 | 1 | 1 | (8) Gas Station - UST Leak To Randolph St Drain; Residential Construction Site Complaint |
| Oakland Twp | 3 | 1 | 1 | (9) SESC - Construction Site - Runoff - Sediment; Residential Road Salt Complaint; Road Culvert Discharge - Iron Bacteria Sheen |
| Pontiac | 7 | 5 | 4 | (10) Vehicle Accident - Liquid Fertilizer Spill; (11) Building Crane Fire - Fuel and Debris to Storm CB; *** (12) Condo Complex - Sanitary Discharge to Property and Storm CB; (13) Diesel Fuel Spill to facility Pond and Skarrit Drain; (14) Sodium Hypochlorite Spill at Facility Tanker filling area; Paint Dumping Complaint; Stream algae complaint |
| Rochester Hills | 2 | 0 | 0 | Road Discharge - Odor Complaint; Swimming Pool Discharge |
| Rose Twp | 1 | 1 | 1 | (15) Dirt Pile - Vacant Lot - Sediment Discharge to Buckhorn Lake |
| Royal Oak | 1 | 1 | 1 | (16) Vehicle Spill - Hydraulic Fluid to storm CB |
| Southfield | 1 | 0 | 0 | Illegal Dumping Complaint |
| Troy | 1 | 1 | 1 | (17) Oil Discharge to the Barnard Drain from Unknown Source |
| W. Bloomfield | 1 | 1 | 1 | (18) Failed Residential Septic to Hammond Lake |
| Walled lake | 1 | 1 | 1 | Vehicle Spill - Gasoline to Storm CB |
| Waterford | 1 | 1 | 1 | (19) Weed Harvester - Hydraulic Fluid Spill to Van Norman Lake |
| White Lake | 1 | 1 | 1 | (20) SESC - Residential Development on Allen Lake |
| Totals: 22 Communities | 35 | 21 | 19 | |
| *** (7) Groundwater contamination of chromium waste from plating facility leaking onto I-696 Freeway. Haz Mat Response, EPA / EGLE surface and ground water evaluation and cleanup in progress. Violations, & fines being issued to bldg owner | | | | |
| *** (12) Sewage discharge from condominium unit to ground, property, local storm drain and Clinton River. OC Health Dept Violation Notices, and Bldg Condemnation letter issued by the City of Pontiac to property owner | | | | |

TABLE 2
WRC Pollution Hotline Complaint Summary Table for FY 2021

| Community | Number of Complaints | Illicit Discharges | Illicit Discharges Corrected | Complaint - Pollutant - Source of Discharge |
|-------------------------------|----------------------|--------------------|------------------------------|---|
| Auburn Hills | 1 | 1 | 1 | (1) Sanitary Sewer SSO - Sewage - Hotel |
| Beverly Hills | 2 | 1 | 1 | (2) Dye Test - Tracing Dye - Residential Illicit connection; Rouge River - Algae Complaint - Residential |
| Bloomfield Twp | 4 | 1 | 1 | (3) SESC - Sediment - Construction Site; Road Salt - Residential Subdivision; Dead Deer in Stream; Oily Sheen - Nature Preserve |
| Clarkston Village | 1 | 1 | 1 | (4) Leaking Garbage Can - Cooking Grease - Residential Property |
| Commerce Twp | 4 | 0 | 0 | SESC Commercial Sites (2); Vehicle Fire; Residential - Suspect Pipe Discharge |
| Farmington Hills | 3 | 0 | 0 | Dead Fish - Subdivision Pond; Cement Contractor Washout - Residential; Commercial Pesticide Application Near Wetlands |
| Franklin Village | 1 | 1 | 1 | (5) SESC - Sediment- Residential Construction Site |
| Holly Village | 2 | 0 | 0 | School SESC Permit; Illegal Dumping - Residential |
| Holly Twp | 1 | 1 | 1 | (6) SESC - Broken Concrete / Fill Material - Commercial Property |
| Independence Twp | 1 | 1 | 1 | (7) Illegal dumping to storm CB - Grease / Wash Water - Restaurant |
| Lathrup Village | 1 | 1 | 1 | (8) Dye Test - Sewage - DPW Garage Illicit Connection |
| Madison Heights | 1 | 1 | 1 | (9) Spill to Red Run - Fuel / Oil - Unknown Source |
| Novi | 3 | 1 | 1 | (10) SESC - Sediment - Residential Construction Site |
| Orion Twp | 5 | 0 | 0 | Leaking Gas Tank - Orion Marina; Fuel Odor - Indianwood Lake; Dead Deer- Residential Pond; SESC - Road Const. Project |
| Pontiac | 4 | 1 | 1 | (11) Vehicle Accident - Fuel Spill - 55 gallon drum from truck; Concrete Washout - Commercial Contractor; Reported Oil Spill - Unconfirmed; Clinton River - Unusual Color |
| Rochester | 1 | 0 | 0 | NA |
| Rochester Hills. | 2 | 1 | 1 | (12) Illicit Discharge - Sediment / Wash Water - Landscaping Company |
| Royal Oak | 2 | 0 | 0 | NA |
| Springfield Twp | 2 | 0 | 0 | |
| Troy | 2 | 1 | 1 | (13) Fuel / Firefighting Chemicals - Tanker Fire Containment Structure Spill; Oily Sheen On Clinton River - Resident Complaint |
| W. Bloomfield | 1 | 1 | 1 | (14) Fuel / Oil, Sunken Boat - Orchard lake |
| Waterford | 3 | 0 | 0 | NA |
| White Lk. Twp | 1 | 0 | 0 | NA |
| Totals: 23 Communities | 48 | 14 | 14 | |

TABLE 3
FY 2020 Dry Weather Screening and IDEP Investigations Summary Table

| WRC Drain Name | Stormwater Structure DWS Inspections | Community | Watershed | Suspected Discharges | IDEP Investigations | Discharges Discovered | Discharges Corrected | Source |
|--------------------------------------|--------------------------------------|-------------------|-----------|----------------------|---------------------|-----------------------|----------------------|---------------------------------|
| Acacia Park Drain (1) | 53 | Beverly Hills | Rouge | No | 0 | 0 | 0 | |
| Apple Cove Drain (1) | 17 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Arbors of West Bloomfield (1) | 50 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Autumn Park Drain (1) | 11 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Axford Drain (1) | 12 | Orion Twp. | Clinton | No | 0 | 0 | 0 | |
| Beechmont Drain (1) | 16 | Keego Harbor | Clinton | No | 0 | 0 | 0 | |
| Bishop Drain (1) | 82 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Blue Heron Drain (1) | 10 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Brennan Drain (1) | 23 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Brotherton Drain (1) | 3 | Troy | Clinton | No | 0 | 0 | 0 | |
| Caddell Drain (1) | 134 | Farmington Hills | Rouge | No | 0 | 0 | 0 | |
| Calhoun Drain (1) | 7 | Troy | Clinton | No | 0 | 0 | 0 | |
| Case Drain (1) | 26 | Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Chatfield Drain (1) | 4 | Highland Twp. | Huron | No | 0 | 0 | 0 | |
| Chimney Hill Apts Drain (1) | 55 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Claude H Stevens (3), (4) | 0 | Bloomfield Twp | Rouge | Yes | Yes | 1 | 1 | Residential Misconnected Septic |
| Cornerstone Condominium Drain (1) | 19 | Oakland Twp. | Clinton | No | 0 | 0 | 0 | |
| Countyline Drain (1) | 4 | Brandon Twp. | Flint | No | 0 | 0 | 0 | |
| Cranbrook Ridge Drain (1) | 16 | Oakland Twp. | Clinton | No | 0 | 0 | 0 | |
| Crake Drain (1) | 140 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| David L Moffett Drain (1) | 20 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| DeConick Drain (1) | 68 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Dennis Murphy Drain (1) | 17 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Donahue Drain (1) | 41 | W. Bloomfield Twp | Huron | No | 0 | 0 | 0 | |
| Drayton Plains Drain (1) | 40 | Waterford Twp. | Clinton | No | 0 | 0 | 0 | |
| Earlmore Drain (1) | 25 | Bloomfield Twp | Clinton | No | 0 | 0 | 0 | |
| Edwards Relief Drain (1) | 238 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Evans Drain (1) | 8 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Finney Drain (1) | 5 | Highland Twp. | Huron | No | 0 | 0 | 0 | |
| Flannery Drain (1) | 14 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Fred D. Houghten Drain (1) | 52 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Fredericks Drain (1) | 42 | Troy | Clinton | No | 0 | 0 | 0 | |
| George W Kuhn Drain N (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| George W Kuhn Drain S (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Gabler Drain (1) | 48 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Goodison Place Drain (1) | 150 | Oakland Twp. | Clinton | No | 0 | 0 | 0 | |
| Gorsline Drain (1) | 23 | Troy | Clinton | No | 0 | 0 | 0 | |
| Gronkowski Drain (1) | 26 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Guyer Drain (1) | 9 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| Halfpenny Drain (1) | 25 | Troy | Clinton | No | 0 | 0 | 0 | |
| Hamilton Relief Drain (1) | 51 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Hayes Drain (1) | 4 | Commerce Twp | Huron | No | 0 | 0 | 0 | |
| Hazel Drain (1) | 59 | Farmington Hills | Rouge | No | 0 | 0 | 0 | |
| Henry Graham Drain (1), (3) | 162 | Farmington Hills | Rouge | Yes | Ongoing | 0 | 0 | |
| Hidden Creek Drain (1) | 17 | Oakland Twp. | Clinton | No | 0 | 0 | 0 | |
| Hugh Dohany Drain (1) | 17 | Troy | Clinton | No | 0 | 0 | 0 | |
| Ireland Drain (1) | 359 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Jackson Drain (1) | 41 | Troy | Clinton | No | 0 | 0 | 0 | |
| Jensen Drain (1) | 86 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| John E. Olsen (1) | 16 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| Joseph Jones Drain (1) | 4 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| Kaczmar Drain (1), (2) | 58 | Hazel Park | Clinton | Yes | Yes | 0 | 0 | |
| Kutchey Drain | 0 | Hazel Park | Clinton | No | 0 | 0 | 0 | |
| Keego Harbor Drain (1) | 56 | Keego Harbor | Clinton | No | 0 | 0 | 0 | |
| Kelly Drain (1) | 29 | Independence Twp. | Clinton | No | 0 | 0 | 0 | |
| King Drain (1) | 63 | Troy | Clinton | No | 0 | 0 | 0 | |
| Law Drain (1) | 114 | Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Levinson Drain (1) | 53 | Auburn Hills | Clinton | No | 0 | 0 | 0 | |
| Linden Drain (1) | 4 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| Luz Relief Drain (1) | 44 | Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| M-15 Drain (1) | 25 | Independence Twp. | Clinton | No | 0 | 0 | 0 | |
| Maplehurst Drain (1) | 19 | Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Martha Washington Drain (1) | 24 | Southfield | Rouge | No | 0 | 0 | 0 | |
| McConnell Drain (1) | 10 | Troy | Clinton | No | 0 | 0 | 0 | |
| McCulloch Drain (1) | 19 | Troy | Clinton | No | 0 | 0 | 0 | |
| McDonald Drain (1) | 17 | Troy | Clinton | No | 0 | 0 | 0 | |
| McDonnell Drain (1) | 38 | Southfield | Rouge | No | 0 | 0 | 0 | |
| McIntosh Drain (1) | 14 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| McIntyre Drain (1) | 29 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Minnow Pond Drain (CH 20) (1) | 141 | Farmington Hills | Rouge | No | 0 | 0 | 0 | |
| Minnow Pond Drain (CH 4) (1) | 30 | Farmington Hills | Rouge | No | 0 | 0 | 0 | |
| Moxley Drain (1) | 108 | Troy | Clinton | No | 0 | 0 | 0 | |
| Murphy Drain (1) | 21 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Nelson Drain (1) | 44 | Troy | Clinton | No | 0 | 0 | 0 | |
| Oaks Drain (1) | 9 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| O'Donoghue Drain (1) | 19 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Olson Drain (1) | 6 | Troy | Clinton | No | 0 | 0 | 0 | |
| Osgood Drain (1) | 20 | Orion Twp. | Clinton | No | 0 | 0 | 0 | |
| Palace Le Duc Drain (1) | 16 | W. Bloomfield Twp | Huron | No | 0 | 0 | 0 | |
| Park Ridge Drain (1) | 68 | W. Bloomfield Twp | Huron | No | 0 | 0 | 0 | |
| Patton Drain (1) | 43 | Wixom | Huron | No | 0 | 0 | 0 | |
| Peggy Street Drain (1) | 22 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Peterson Drain (1) | 36 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Pond Vallee Drain (1) | 38 | Oakland Twp. | Clinton | No | 0 | 0 | 0 | |
| Ramiro Drain (1) | 34 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Ravines of West Bloomfield Drain (1) | 31 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Red Run Federal Drain (1) | 7 | Warren | Clinton | No | 0 | 0 | 0 | |
| Robert A. Reid Drain (1) | 213 | Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Robert J. Evans Drain (1) | 46 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Royal Pointe Drain (1) | 148 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Shanahan Drain (1) | 46 | Troy | Clinton | No | 0 | 0 | 0 | |
| Sharkey Drain (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Silver Brook Villa Apts. Drain (1) | 131 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Skarritt Drain (1) | 18 | Pontiac | Clinton | No | 0 | 0 | 0 | |
| Snyder Drain (1) | 37 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Southfield Road Drain (1) | 30 | Southfield | Rouge | No | 0 | 0 | 0 | |

FY 2020 Dry Weather Screening and IDEP Investigations Summary Table

| WRC Drain Name | Stormwater Structure DWS Inspections | Community | Watershed | Suspected Discharges | IDEP Investigations | Discharges Discovered | Discharges Corrected | Source |
|--------------------------------|--------------------------------------|--------------------|-------------------|-----------------------|----------------------------|--------------------------------------|-------------------------------------|--------|
| Southwyk Drain (1) | 82 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Stewart Relief Drain (1) | 57 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Sue Ann Douglas Drain (1) | 30 | Rochester Hills | Clinton | No | 0 | 0 | 0 | |
| Sunken Bridge Drain (1) | 14 | Bloomfield Hills | Rouge | No | 0 | 0 | 0 | |
| Townline Drain (1) | 41 | Novi | Rouge | No | 0 | 0 | 0 | |
| Tulane Drain (1) | 5 | Farmington Hills | Rouge | No | 0 | 0 | 0 | |
| Tuttle Drain (1) | 10 | Waterford Twp. | Clinton | No | 0 | 0 | 0 | |
| US-16 Drain (1) | 27 | Farmington | Rouge | No | 0 | 0 | 0 | |
| Village Square Drain (1) | 99 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Vogt Drain (1) | 68 | Troy | Clinton | No | 0 | 0 | 0 | |
| Wagner Drain (1) | 31 | Southfield | Rouge | No | 0 | 0 | 0 | |
| Walker Relief Drain (1), (3) | 120 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Walnut Creek Drain (1) | 76 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| West Bloomfield Oaks Drain (1) | 158 | W. Bloomfield Twp | Rouge | No | 0 | 0 | 0 | |
| Wilson Drain (1), (3) | 28 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Wrey Drain (1) | 10 | Troy | Clinton | No | 0 | 0 | 0 | |
| Drains | DWS Inspections | Communities | Watersheds | Suspect Drains | Drains Investigated | Illicit Discharges Discovered | Illicit Discharges Corrected | |
| 112 | 5183 | 23 | 4 | 8 | 8 | 1 | 1 | |

(1) DWS Stormwater Structure Inspections conducted during FY 2020

(2) IDEP Investigations, WW-DW *E. coli* sampling conducted during FY 2020. No additional investigation planned for FY2021

(3) IDEP Investigations, WW-DW *E. coli* sampling conducted during FY 2020. Ongoing evaluation; investigations planned for FY2021

(4) Illicit Discharge and discharge source identified FY 2019. Corrected in FY 2020

DWS = Dry Weather Screening

WW = Wet Weather

DW = Dry Weather

TABLE 4
FY 2021 Dry Weather Screening and IDEP Investigations Summary Table

| WRC Drain Name | Stormwater Structure DWS Inspections | Community | Watershed | Suspected Discharges | IDEP Investigations | Discharges Discovered | Discharges Corrected | Source |
|--|--------------------------------------|-------------------|-----------|----------------------|---------------------|-----------------------|---------------------------|-------------------------------------|
| Borden Drain (1) | 24 | Rochester Hills | Rouge | No | No | 0 | 0 | |
| Boyd Drain (1) | 28 | Troy | Clinton | No | No | 0 | 0 | |
| Brandon-Oxford Drain | 113 | Oxford Twp | Clinton | No | No | 0 | 0 | |
| Bungalows Drain (1) | 21 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Caddell Drain (2) | 0 | Farmington Hills | Rouge | Yes | Yes | 0 | 0 | |
| Carrington Gardens Drain (1) | 175 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Century Woods Drain (1) | 43 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Charles R. Moon Drain (1) | 20 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Chelsea Park Drain (1) | 411 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Claremont Drain (1) | 77 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Clarenceville Drain (1) | 22 | Farmington Hills | Rouge | No | No | 0 | 0 | |
| Clarenceville Ext. Drain (1) | 11 | Farmington Hills | Rouge | No | No | 0 | 0 | |
| Clarkson Drain (1) | 5 | Independence Twp. | Clinton | No | No | 0 | 0 | |
| Claude H Stevens Drain (3) | 0 | Bloomfield Twp | Rouge | Yes | Ongoing | 0 | 0 | |
| Cloisters Drain (1) | 44 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Cranberry Lake (1) | 9 | Independence Twp. | Clinton | No | No | 0 | 0 | |
| Crown Center Drain (1) | 9 | W.Bloomfield | Huron | No | No | 0 | 0 | |
| Deer Point Drain (1) | 93 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Devonshire Drain (1) | 25 | Bloomfield Twp | Rouge | No | No | 0 | 0 | |
| Dry Run Drain (1) (2) | 37 | Independence Twp. | Clinton | No | No | 0 | 0 | |
| Dunleavy Drain (2) | 0 | Madison Heights | Clinton | Yes | No | 0 | 0 | |
| Eight Mile Drain (1), (2) | 21 | Southfield | Rouge | Yes | No | 0 | 0 | |
| Fairfield Estates Drain (1) | 49 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Fieldview Acres County Drain (1) | 10 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Five Points Drain (1) | 8 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Flannery Drain (3) | 0 | Southfield | Rouge | Yes | Ongoing | 0 | 0 | |
| Fracassi Drain (3) | 0 | Southfield | Rouge | No | No | 0 | 0 | |
| Frost Drain (1) | 11 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Galloway Drain (1) | 53 | Pontiac | Clinton | No | No | 0 | 0 | |
| George W. Kuhn Drain North (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| George W. Kuhn Drain South (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Goodison Glen Drain(1) | 6 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Gosling Drain (1) | 20 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Graves Drain (1) | 29 | Bloomfield Twp | Rouge | No | No | 0 | 0 | |
| Greenacre Drain (1) | 4 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Halsted-Pontiac Trail Drain | 99 | W.Bloomfield | Huron | No | No | 0 | 0 | |
| Hamlin Drain (1) | 38 | Bloomfield Twp | Rouge | No | No | 0 | 0 | |
| Hampton Drain (1) | 166 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Hayward Drain (1) | 13 | Bloomfield Twp | Rouge | No | No | 0 | 0 | |
| Hazel Drain (3) | 0 | Farmington Hills | Rouge | Yes | Ongoing | 0 | 0 | |
| Heights Drain (1), | 109 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Henry Graham Drain (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Herring Drain (1), (2) | 12 | Madison Heights | Clinton | Yes | Yes | 0 | 0 | |
| High Meadows Drain (1) | 26 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Hills of Kings Pointe Drain (1) | 104 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Hollander Drain (1) | 2 | Southfield | Rouge | No | No | 0 | 0 | |
| Hoot Drain (1) | 10 | Rochester Hills | Rouge | No | No | 0 | 0 | |
| Jacobs Drain (1) | 30 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Jamian Drain (1) | 16 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Jilbert Drain (1) | 22 | Southfield | Rouge | No | No | 0 | 0 | |
| Joachim Relief Drain (1) | 109 | Auburn Hills | Clinton | No | No | 0 | 0 | |
| Josephine Drain (1) | 20 | Pontiac | Clinton | No | No | 0 | 0 | |
| Joslyn Drain (1) | 13 | Pontiac | Clinton | No | No | 0 | 0 | |
| Kasper Drain (1) | 179 | Auburn Hills | Clinton | No | No | 0 | 0 | |
| Kutchev Drain (3) | 0 | Hazel park | Clinton | Yes | Ongoing | 0 | 0 | |
| Lane Drain (1) | 45 | Troy | Clinton | No | No | 0 | 0 | |
| Lochaven Drain (1) | 57 | Waterford Twp | Clinton | No | No | 0 | 0 | |
| Lueders Drain (1) | 369 | Troy | Rouge | No | No | 0 | 0 | |
| Lynn D. Allen Drain (1) | 10 | Bloomfield Twp | Rouge | No | No | 0 | 0 | |
| Maple Park Office Center Drain (1) | 16 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Mastin Drain (1) | 50 | Troy | Clinton | No | No | 0 | 0 | |
| Mc Clung Drain (1) | 17 | Southfield | Rouge | No | No | 0 | 0 | |
| Mc Kinley Drain (1) | 26 | Southfield | Rouge | No | No | 0 | 0 | |
| McCoy Drain (2) | 0 | Madison Heights | Rouge | Yes | Yes | 0 | 0 | |
| Meadowidge Estates Drain | 76 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Moore Drain (1) | 56 | Pontiac | Clinton | No | No | 0 | 0 | |
| Morgan Drain (1) | 12 | Southfield | Rouge | No | No | 0 | 0 | |
| Nancy Dingeldey Drain (1) | 21 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Northwestern Storm Drain (1) | 8 | Southfield | Rouge | No | No | 0 | 0 | |
| Northwoods Forest Drain (1) | 26 | W.Bloomfield | Huron | No | No | 0 | 0 | |
| Oak Knob Drain (1) | 13 | Bloomfield Hills | Rouge | No | No | 0 | 0 | |
| Oakland Knolls Drain (1) | 62 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Oakland Meadows Drain (1) | 33 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Orchard Lake Woods Drain (1) | 156 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Orchards Condominium Drain (1) | 14 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Owens Drain (3), (4) | 0 | Southfield | Rouge | Yes | Yes | Pending Verification | Pending Corrective Action | Residential Sanitary Misconnection |
| Page Drain (1) | 2 | Troy | Clinton | No | No | 0 | 0 | |
| Paint Creek Drain (1) | 261 | Oxford Twp | Clinton | No | No | 0 | 0 | |
| Palmer Drain (1) | 13 | Pontiac | Clinton | No | No | 0 | 0 | |
| Park Ridge South Drain (1) | 76 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Pemberton Drain (1) | 10 | Southfield | Rouge | No | No | 0 | 0 | |
| Pembrooke Park Drain (1) | 57 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Perinoff Drain (1) | 24 | Southfield | Rouge | No | No | 0 | 0 | |
| Plum Creek Drain (1) | 63 | Oakland Twp | Rouge | No | No | 0 | 0 | |
| Pontiac Clinton River Drain No. 1 (1) | 82 | Pontiac | Clinton | No | No | 0 | 0 | |
| Pontiac Clinton River Drain No. 2 (1), (4) | 29 | Pontiac | Clinton | Yes | Yes | 1 | Pending Corrective Action | ***Condo Complex Sanitary Discharge |
| Pontiac Clinton River Drain No. 3 (1) | 115 | Pontiac | Clinton | No | No | 0 | 0 | |
| Powers Drain (1) | 4 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Quail Ridge Drain (1) | 5 | Northville | Rouge | No | No | 0 | 0 | |
| Quinn Drain (1) | 20 | Troy | Clinton | No | No | 0 | 0 | |
| Randolph Street Drain (1) | 63 | Northville | Rouge | No | No | 0 | 0 | |
| Rewold Drain (1) | 169 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Richardson Drain (1) | 3 | Troy | Clinton | No | No | 0 | 0 | |
| Robert Huber Drain (1) | 77 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Roth Drain (1) | 144 | Troy | Clinton | No | No | 0 | 0 | |
| Rufe Collier Drain (1) | 5 | Pontiac | Clinton | No | No | 0 | 0 | |
| Rummell Relief Drain (1) | 107 | Southfield | Rouge | No | No | 0 | 0 | |
| Sharkey Drain (3) | 0 | Madison Heights | Clinton | No | No | 0 | 0 | |
| Simsbury Condominium County Drain (1) | 82 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Simsbury North Drain (1) | 16 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| The Crossings Drain (1) | 422 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| The Legacy Drain (1) | 29 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Thornberry Drain (1) | 74 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Van Maele Drain (1) | 35 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Walker Drain (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |

FY 2021 Dry Weather Screening and IDEP Investigations Summary Table

| WRC Drain Name | Stormwater Structure DWS Inspections | Community | Watershed | Suspected Discharges | IDEP Investigations | Discharges Discovered | Discharges Corrected | Source |
|--|--------------------------------------|--------------------|-------------------|-----------------------|----------------------------|--------------------------------------|-------------------------------------|--------|
| Walnut Hills West Bloomfield Drain (1) | 20 | W.Bloomfield | Huron | No | No | 0 | 0 | |
| Ward Drain (1) | 4 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| Watkins Lake Level Drain (1) | 12 | Waterford Twp | Clinton | No | No | 0 | 0 | |
| West Bloomfield Manor Drain (1) | 27 | W.Bloomfield | Rouge | No | No | 0 | 0 | |
| West End Drain (1) | 169 | Waterford Twp | Clinton | No | No | 0 | 0 | |
| Wilcox Drain (SOT) (1) | 59 | Southfield | Rouge | No | No | 0 | 0 | |
| Wilson Drain (3) | 0 | Madison Heights | Clinton | Yes | Ongoing | 0 | 0 | |
| Wolf Drain (1) | 145 | Rochester Hills | Clinton | No | No | 0 | 0 | |
| Wyndgate Drain (1) | 34 | Oakland Twp | Clinton | No | No | 0 | 0 | |
| Wyndham Pointe Drain (1) | 153 | W.Bloomfield | Huron | No | No | 0 | 0 | |
| Drains | DWS Inspections | Communities | Watersheds | Suspect Drains | Drains Investigated | Illicit Discharges Discovered | Illicit Discharges Corrected | |
| 117 | 6023 | 15 | 3 | 15 | 15 | 2 | 0 | |

(1) DWS Stormwater Structure Inspections conducted during FY 2021

(2) IDEP Investigations, WW-DW *E. coli*, DNA sampling conducted during FY 2021. No additional investigation planned for FY2022

(3) IDEP Investigations, WW-DW *E. coli*, DNA sampling conducted during FY 2021. Ongoing evaluation, investigations planned for FY2022

(4) Illicit Discharge and discharge sources identified. Corrective Actions Pending in FY 2022

*** Illicit Discharge identified in FY 2020. Enforcement and corrective actions by the property owner, with the City of Pontiac, OCHD and EGLE are expected in FY 2022

DWS = Dry Weather Screening

WW = Wet Weather

DW = Dry Weather

TABLE 5
WRC Pollutant Removal Summary Table for FY 2020

| Pollutant | Source | Rouge | | Clinton | | Huron | | Total |
|---------------------|--------------------------------------|-------|----------------|---------|----------------------------|-------|----------------|---------------|
| | | No. | Estimated amt. | No. | Estimated amt. | No. | Estimated amt. | |
| Sewage | Septic Systems | 2 | 1,088,900 | | | | | 3,415,070 gal |
| | Broken / Misconnected Sanitary leads | | | 2 | 200 gal Not Estimated | | | |
| | SSOs | 10 | 2,322,820 gal | 1 | 50 gal | 2 | 3,100 gal | |
| Fuel / Oil & Grease | Spills / Leaks | 3 | 701 gal | 1 | 50 gal | | | 951 gal |
| | Illegal Dumping / Illicit Discharges | 1 | 200 gal | 1 | Not Estimated | | | |
| Sediment | Construction Sites | | | 2 | 2,000 lbs Not Estimated | | | 2,200 lbs |
| | Building Crane Fire | | | 1 | 200 lbs | | | |
| Hydraulic Fluid | Leaks | | | 2 | 5 gal | | | 55 gal |
| | Spills | | | 1 | 50 gal | | | |
| Chromium Waste | Industrial Groundwater Discharge | | | 1 | Not Estimated | | | Not Estimated |
| Sodium Hypochlorite | Industrial | | | 1 | 55 gal | | | 55 gal |
| Fertilizer | Vehicle Accident | | | 1 | 2 gal | | | 2 gal |

*** No illicit discharges were found in the Shiawassee or Flint River Watersheds

TABLE 6
WRC Pollutant Removal Summary Table for FY 2021

| Pollutant | Source | Rouge | | Clinton | | Shiawassee | | Total |
|--------------------------------|--------------------------------|-------|----------------|---------|----------------|------------|---------------------|---------------------|
| | | No. | Estimated amt. | No. | Estimated amt. | No. | Estimated Amt. | |
| Sewage | SSO | 3 | 26,130,404 gal | 2 | 700 gal | | | 26,131,354 gal |
| | Spill | | | 1 | 250 gal | | | |
| Fuel / Oil / Grease | Accident | | | 1 | Not Estimated | | | 2,080 gal |
| | Spills | | | 4 | 2,060 gal | | | |
| | Illegal Dumping | | | 1 | 20 gal | | | |
| Sediment | Construction Site | 3 | Not Estimated | | | | | Not Estimated |
| | Commercial Runoff | | | 1 | Not Estimated | | | |
| Broken Concrete/ Fill Material | Commercial Property | | | | | 1 | 250 yd ³ | 250 yd ³ |
| Tracing Dye | Illicit connection Residential | 1 | 0.5 gal | | | | | 0.5 gal |

***No illicit discharges were found in the Huron or Flint River Watersheds