

Eastern St. Clair County Area of Interest MPART PFAS Community Meeting

October 29, 2025

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MICHIGAN PFAS ACTION RESPONSE TEAM

Eastern St. Clair County Area of Interest MPART PFAS Community Meeting

Mike Jury, MPART PFAS Specialist
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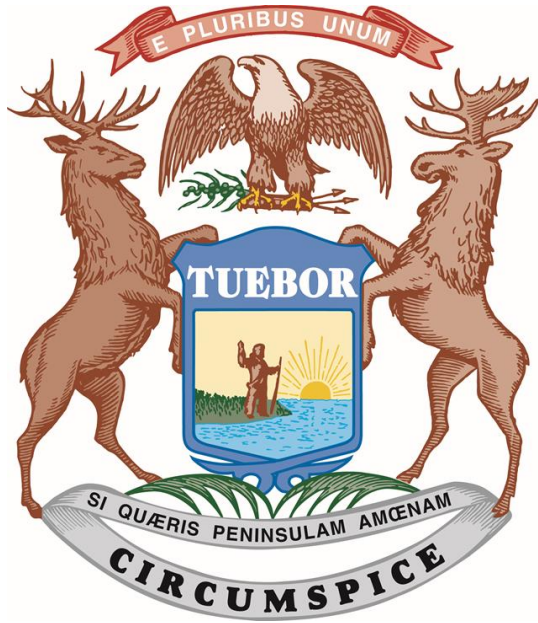
Agenda

- Introductions – Mike Jury, MPART PFAS Specialist
- Agenda:
 - MPART Overview – Mike Jury
 - Health – Rachel Bauer, Department of Health and Human Services
 - Investigation Areas – Anne Tavalire, Department of Environment, Great Lakes, and Energy
 - Techni-Comp – Cynthia Paslawski, Department of Environment, Great Lakes, and Energy
 - Biosolids – Christian Smith, Department of Environment, Great Lakes, and Energy
 - Eat Safe Fish Guides – Lisa Fischer, Department of Health and Human Services
 - Q&A

Goals of Community Meeting

- Inform residents of surface water impacts and confirmed sources
- Inform residents about William P. Thompson Pond investigation and solicit help from residents in investigating potential source(s)
- Inform residents about residential well sampling efforts and public water supply PFAS sampling
- Inform residents of fish consumption advisories

Michigan PFAS Action Response Team (MPART)



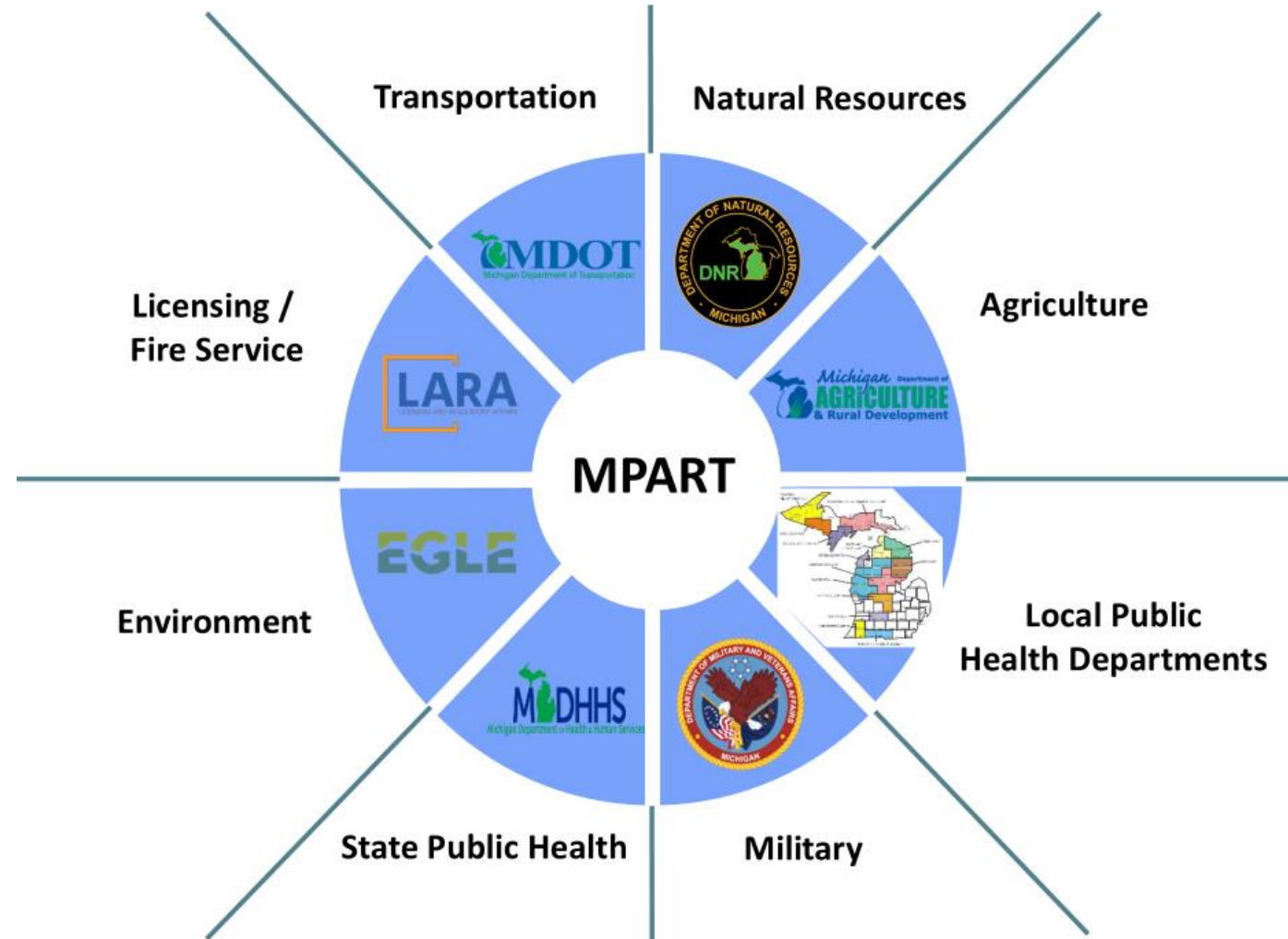
- Executive Order 2019-03
- Unique Multi-Agency Approach
- Leads Coordination and Cooperation Among All Levels of Government
- Directs Implementation of State's Action Strategy

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Michigan PFAS Action Response Team (MPART)

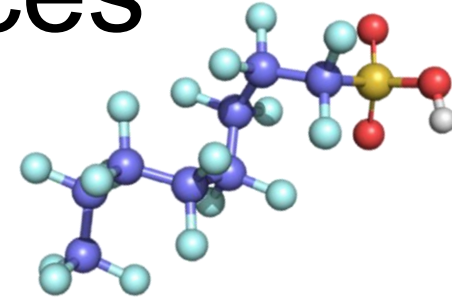
- MPART is non-regulatory and acts as the coordinating entity on all PFAS activities
- Regulatory authority resides in the Departmental programs



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Per- and Polyfluoroalkyl Substances (PFAS)



What are they?

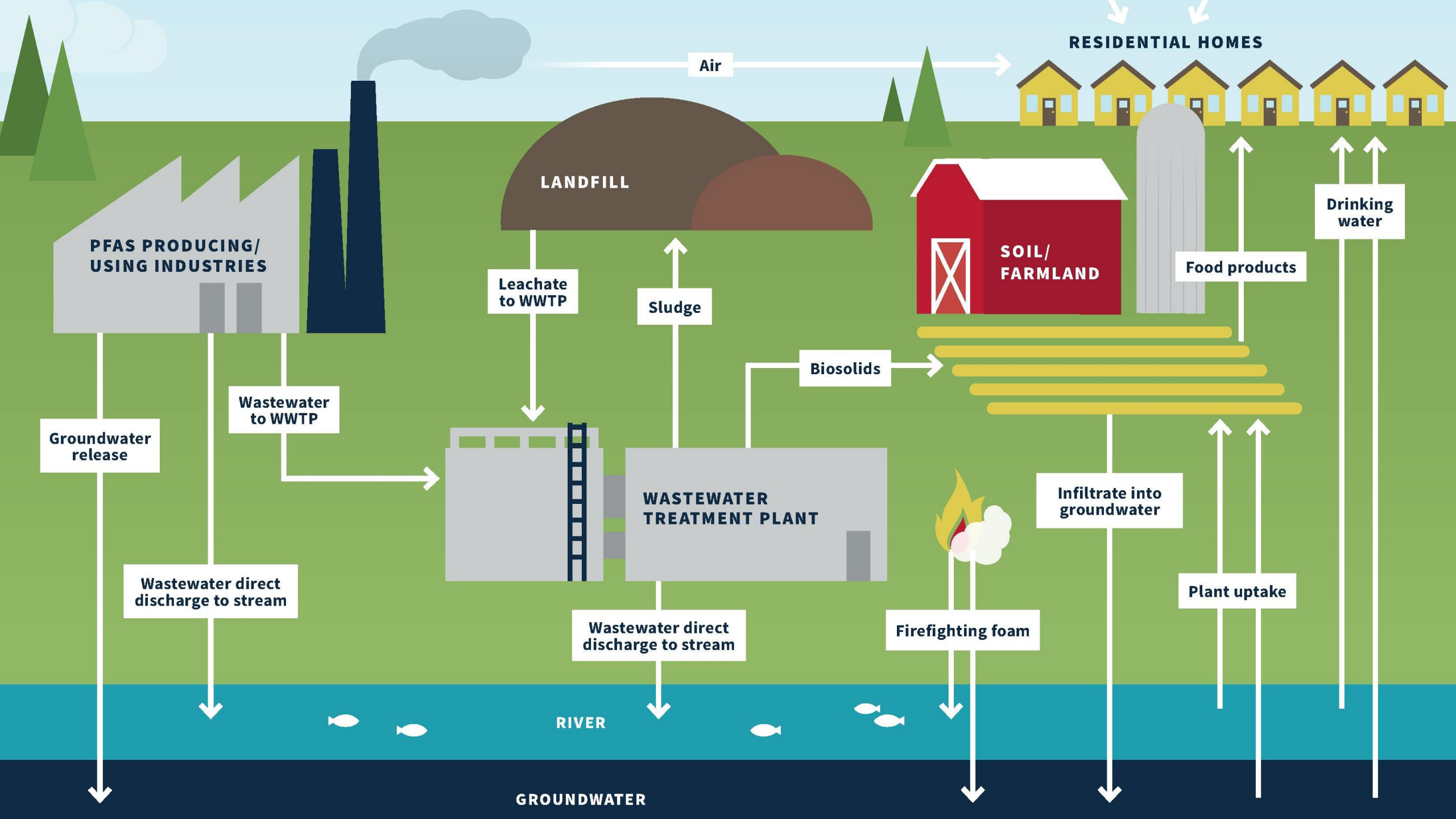
- Strong Carbon-Fluorine Bonds
- Surfactants
- Highly Stable
- Repel Water, Oil, Fat, and Grease
- Began Developing in 1940s
- Thousands of Compounds Today

Why the concern?

- Widespread through the ecosystem
- Don't Break Down Easily - Hard to Get Rid of
- Bioaccumulate – Build Up in Our Bodies
- Some PFAS May Affect Health
- Some emerging science/information
- Need for additional Federal Standards

PFAS Uses





What is Michigan doing?

Protect Public Health

- Investigating where PFAS is in the environment
 - Drinking water, groundwater, water bodies
- Developed and enforcing, standards for PFAS in surface water, drinking water, and groundwater cleanup standards
 - Modifying standards as science evolves
- Educating the public to:
 - Prevent future contamination
 - Minimize future use of PFAS



Michigan's Drinking Water and Groundwater Cleanup Standards

Compound	Standards
PFNA	6 ppt
PFOA	8 ppt
PFOS	16 ppt
PFHxS	51 ppt
GenX (HFPO-DA)	370 ppt
PFBS	420 ppt
PFHxA	400,000 ppt

Michigan Surface Water Quality Values

Compound	Water Quality Value
PFOA	170 ppt
<i>If Drinking Water Source</i>	<i>66 ppt</i>
PFOS	12 ppt
<i>If Drinking Water Source</i>	<i>11 ppt</i>
PFBS	670,000 ppt
<i>If Drinking Water Source</i>	<i>8,300 ppt</i>
PFHxS	210 ppt
<i>If Drinking Water Source</i>	<i>59 ppt</i>
PFNA	30 ppt
<i>If Drinking Water Source</i>	<i>19 ppt</i>

Michigan's Rule 57 Water Quality Values
apply to NPDES discharges



Lakes and Streams Investigations

- Collecting water and fish samples

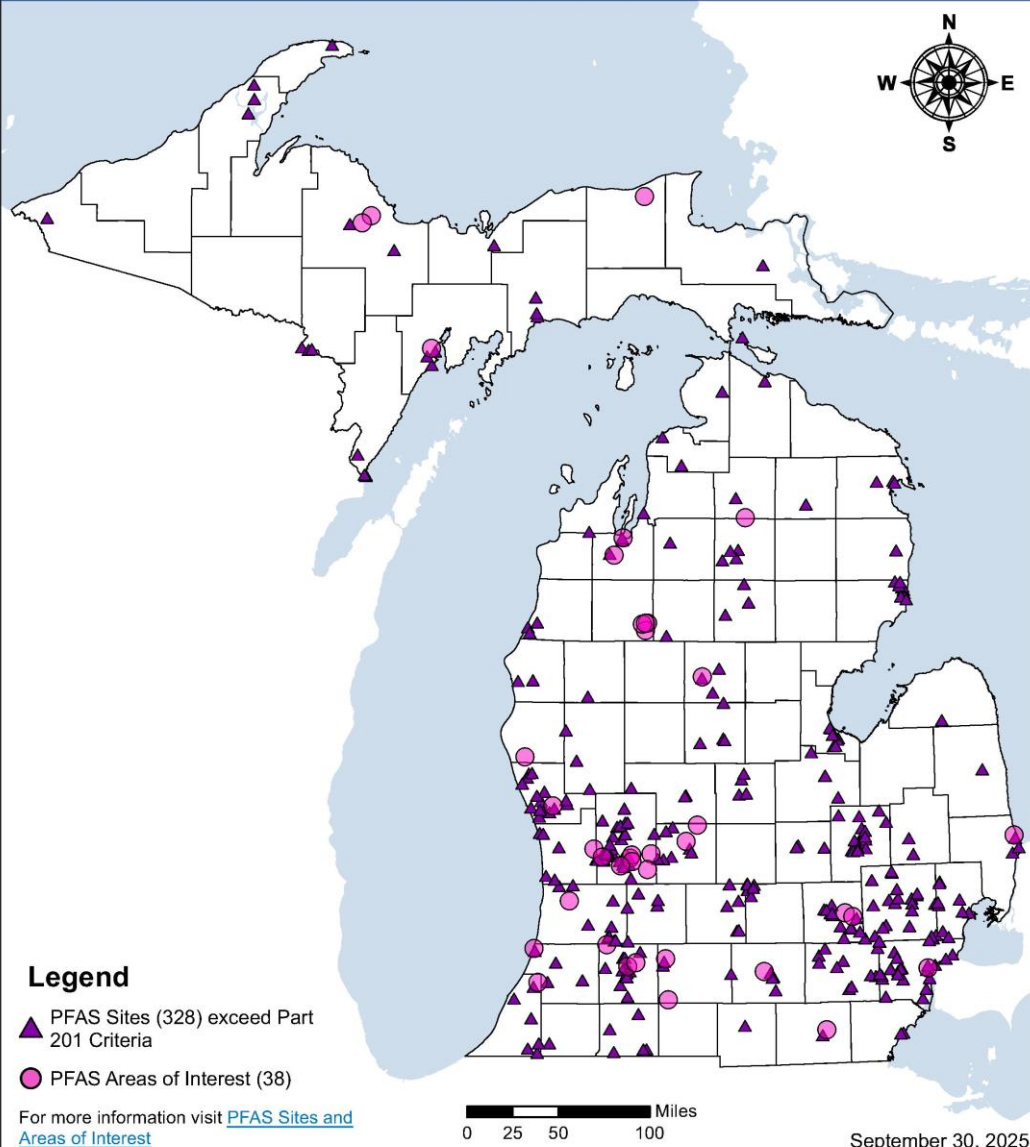
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MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Michigan PFAS Sites and Areas of Interest



Sites Being Investigated

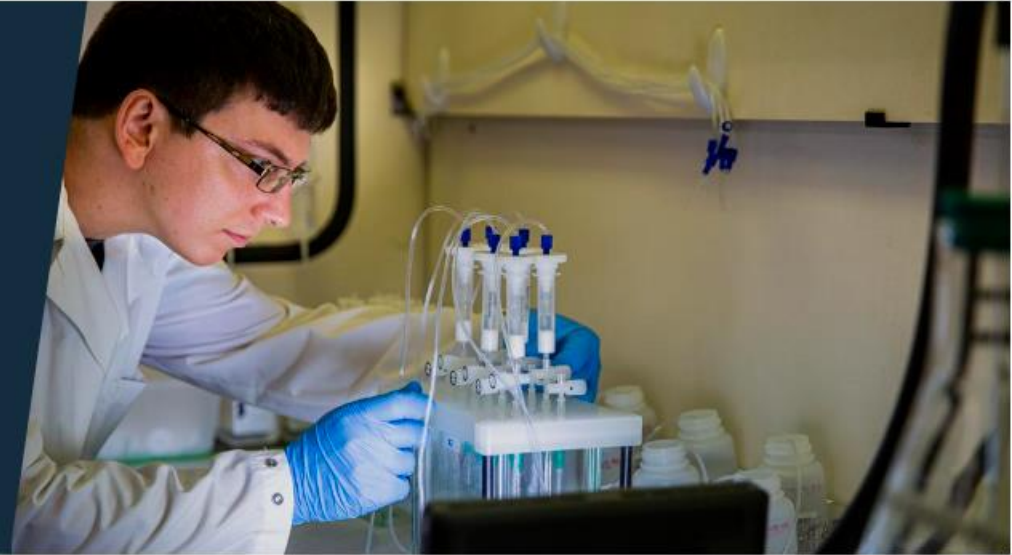
- Prioritized Investigations Based on Known or Suspected Sources, Potential for Exposure
- Protect Drinking Water Pathway
- Multiple Other Investigations Underway

QR Code for:
MPART Sites and Investigation





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What's new

- New section of the website: [Resources for Residents](#)
- New site in [Wayne County](#): Cul-Mac Industries, LLC (added 12/15)
- New site in [Keweenaw County](#): Copper Harbor Landfill (added 12/13)
- New site in [Ionia County](#): Lowell City Landfill (added 11/30)



MPART FY2023 Fast Facts

In FY2023, the Michigan legislature supported the PFAS response by appropriating funding across the 7 state agencies that make up MPART. Learn more about the impact of that funding.

Michigan.gov/PFASResponse

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- PFAS 101
- FAQs
- Site investigation summaries
- Public meeting calendar

Featured topics



NEW! Resources for residents



About MPART



Citizen's Advisory Workgroup



Drinking water



Public engagement



Investigations



Sampling guidance



Identified sites

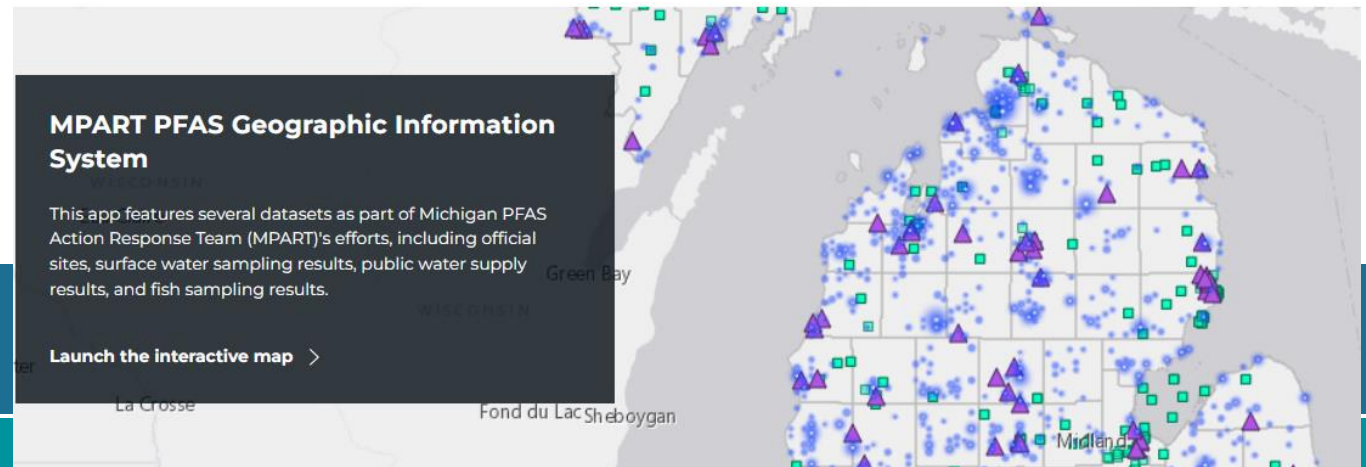
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MPART PFAS Geographic Information System

This app features several datasets as part of Michigan PFAS Action Response Team (MPART)'s efforts, including official sites, surface water sampling results, public water supply results, and fish sampling results.

Launch the interactive map >



Citizens Advisory Workgroup

Michigan.gov/MPARTCAWG

- Residents From Impacted Communities
- Key Charges:
 - Recommend How to Engage and Empower Communities
 - Recommend How to Educate the General Public
- Residents interested in becoming a CAWG Member:
 - Read the [CAWG Charter](#)
 - Submit a [Membership Registration Form](#)



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QR Code for:
MPART Citizen Advisory Workgroup



PFAS and Health

Rachel Bauer, Toxicologist

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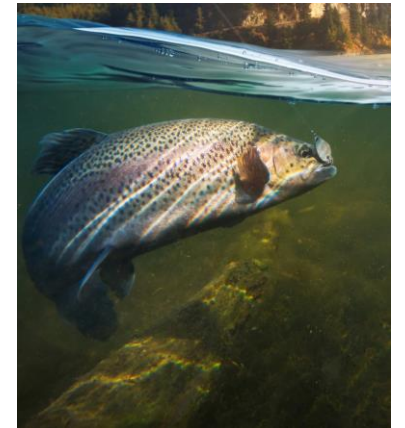
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The Role of MDHHS/ Local Health Department (LHD)

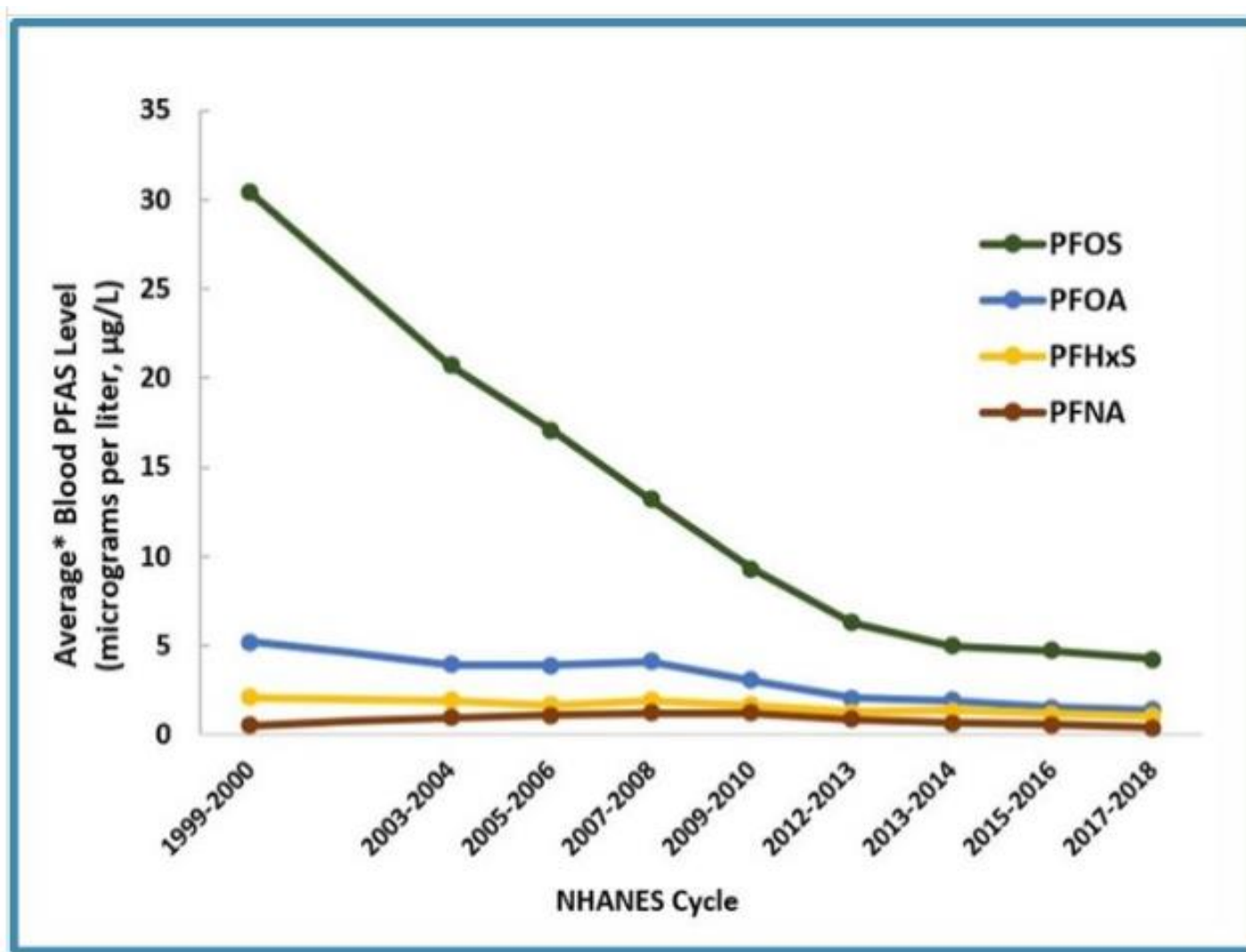
- Understand the health concerns facing your community
- Develop a plan to investigate and address health risks
 - EGLE leads the site investigation
 - MDHHS and the Local Health Department lead the public health planning and response
- Evaluate PFAS exposures to residents in the community
 - Recommend public health actions as needed

Exposure to PFAS Chemicals

- Drinking contaminated water
- Eating fish caught from water contaminated by PFAS
 - “Eat Safe Fish” Guidelines
- Incidental swallowing of contaminated soil or dust
- Eating food packaged in materials containing PFAS
- Using some consumer products
- PFAS absorption through skin is typically not a concern



Blood levels of the most common PFAS in people in the United States 2000-2018



Associated Human Health Outcomes PFOA and/or PFOS

- Reduced fertility
- High blood pressure or pre-eclampsia in pregnant women
- Small decreases in infant birth weight
- Higher cholesterol
 - Especially total cholesterol and LDL cholesterol

Associated Human Health Outcomes PFOA and/or PFOS

- Thyroid disease
- Liver damage
- Decreased immune system response to vaccines
- Developing certain types of cancer
 - In particular, kidney and testicular cancers*

* PFOA only

Eastern St. Clair County Area of Interest PFAS Investigations

Anne Tavalire, PFAS Area of Interest Lead
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248-508-1102

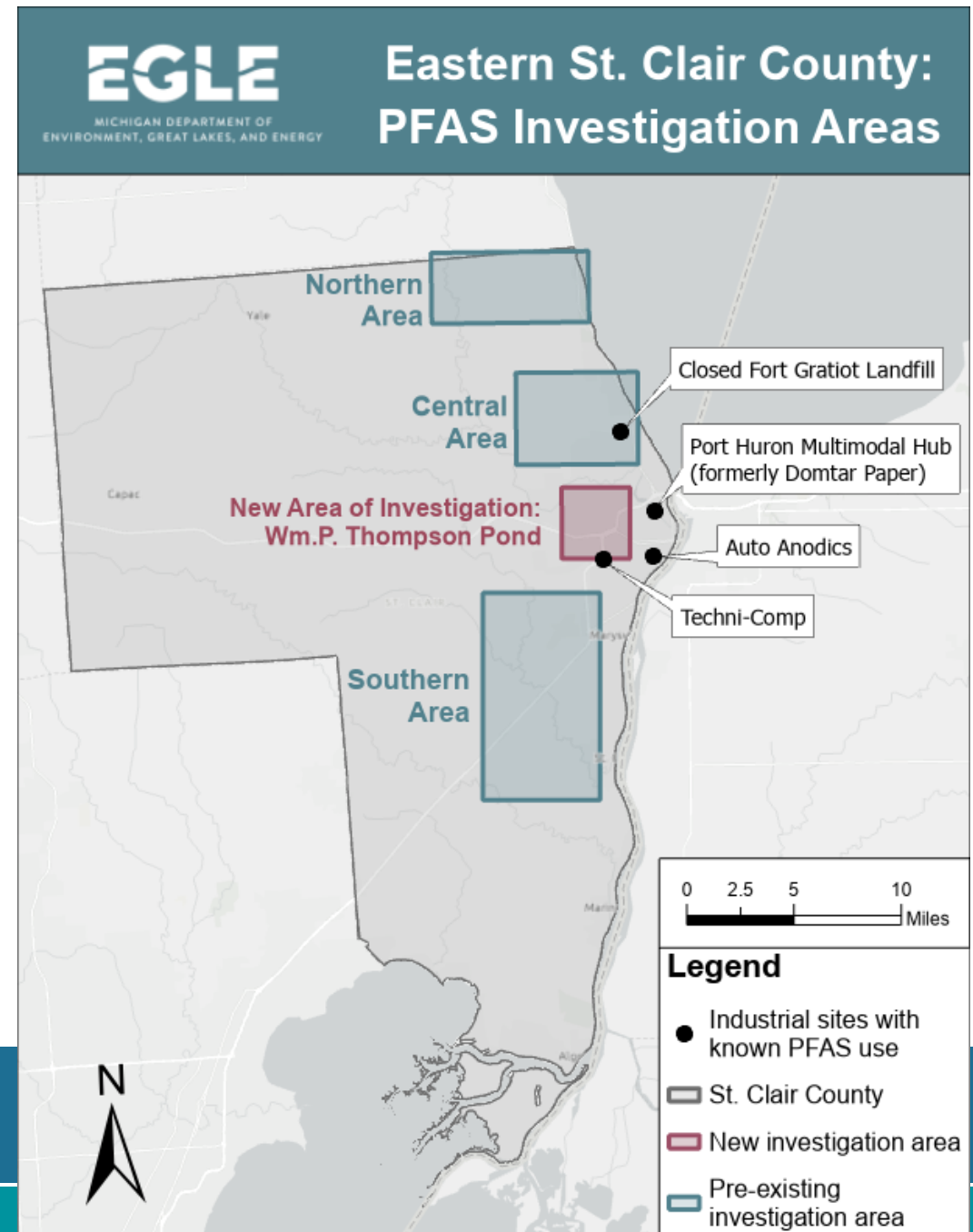
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Overview

- Industrial Sites with Known PFAS Use
- Surface Waters Impacted by PFAS
- William P. Thompson Pond



Status of Industrial Sites with Known PFAS Use

- Smiths Creek Landfill – PFOS treatment installed for WWTP discharge
- Closed Fort Gratiot Landfill – discharge to WWTP stopped 2019
- Former Dunn Paper Inc – discharge to WWTP stopped end of 2022

Status of Industrial Sites with Known PFAS Use

- Auto Anodics – PFOS treatment installed for WWTP discharge
 - Order in place to address stormwater
- Former Domtar Paper/ E.B Eddy Paper (current owner Port Huron Multimodal Hub, LLC) – discharge to WWTP stopped in 2022
 - Order in place to address stormwater/process water contamination

Techni - Comp

Cynthia Paslawski, PFAS Site Lead

Michigan Department of Environment, Great Lakes, and Energy

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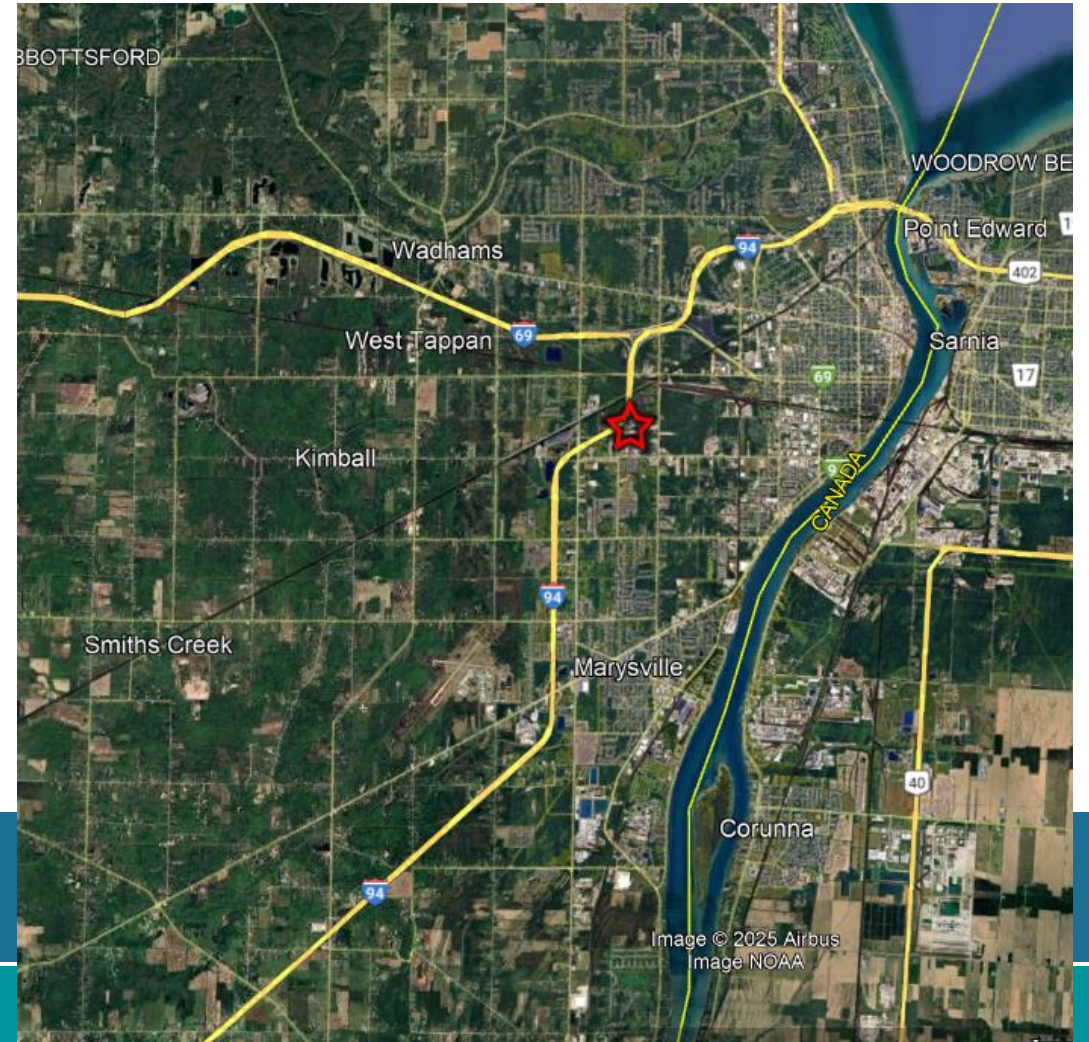
PaslawskiC@Michigan.gov

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Status of Industrial Sites with Known PFAS Use

- Techni-Comp
 - Composting facility located in Port Huron on Dove Rd. just west of Michigan Rd.
 - In the past accepted paper waste from E.B Eddy Paper/Domtar Paper
 - The paper waste contained PFAS



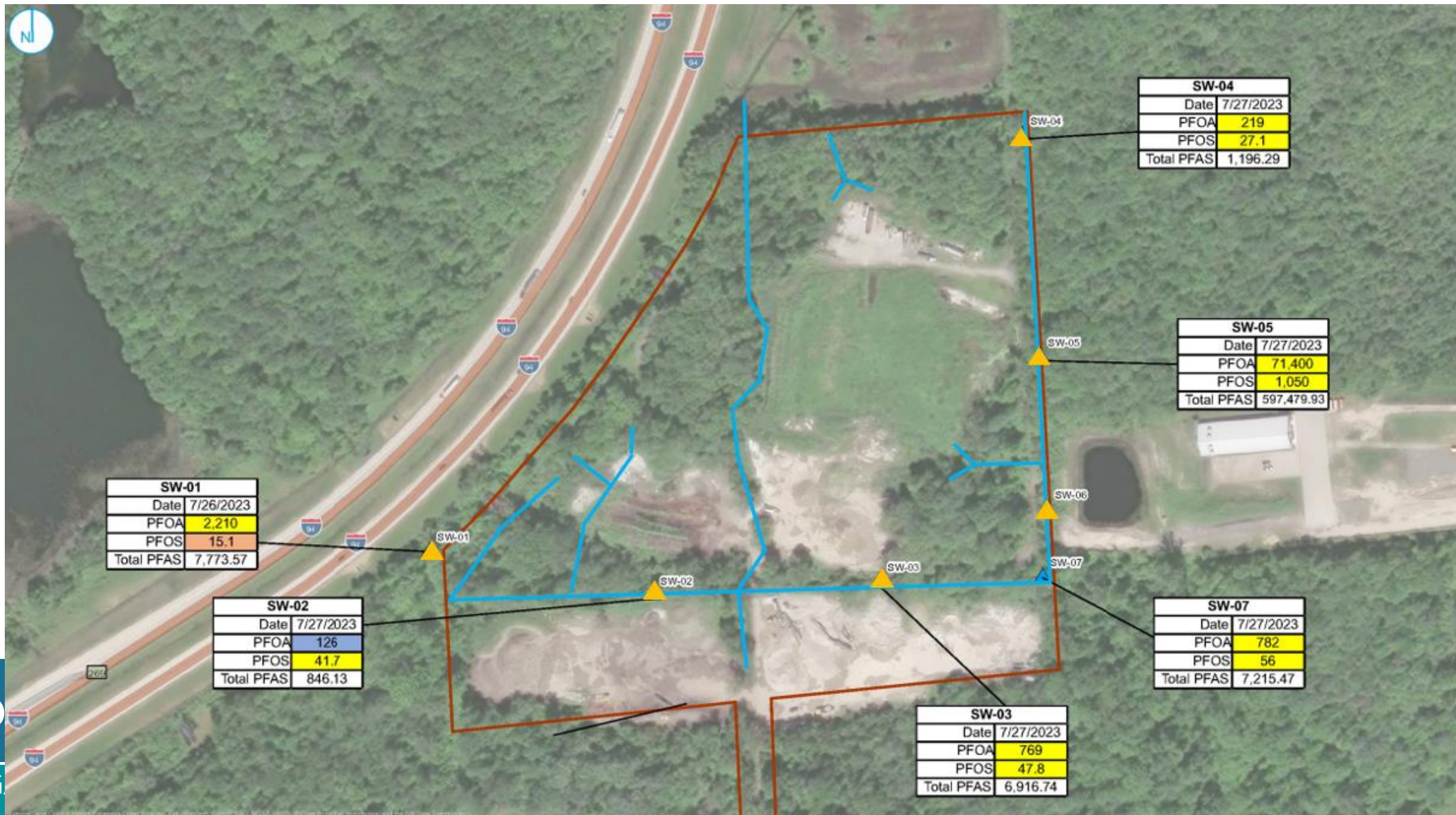
Location of Soil Piles



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Map of Surface Water Contamination



Settlement Overview

- Domtar has been ordered to:
 - Remove around 75,000 cubic yards of PFAS contaminated soil
 - Excavated material to be trucked to hazardous waste facility in Ontario
 - Sample the sediments in Huffman Drain
 - Pay a sum of money to address any other issues that may come up after their work is done

Current Work

- Sediment sampling
- Removal of overgrowth and making piles more accessible
- Removal of the soil piles
- Link to Domtar's Response Activity Plan: [Remediation Information and Data Exchange](#)
- More information: [Michigan.gov/pfasresponse/investigations/sites-aoi/st-clair-county/techni-comp](#)

Biosolids

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What Type of Facilities Produce Biosolids?

Any facility where sanitary sewage goes through a treatment works produces biosolids. These facilities may be municipal, industrial, private or publicly owned, as long as the flow is mainly sanitary sewage.

"Biosolids" is defined as a solid, semisolid, or liquid residues generated during the treatment of sanitary sewage or domestic sewage in a treatment works.

Solids from industrial waste are not considered biosolids.

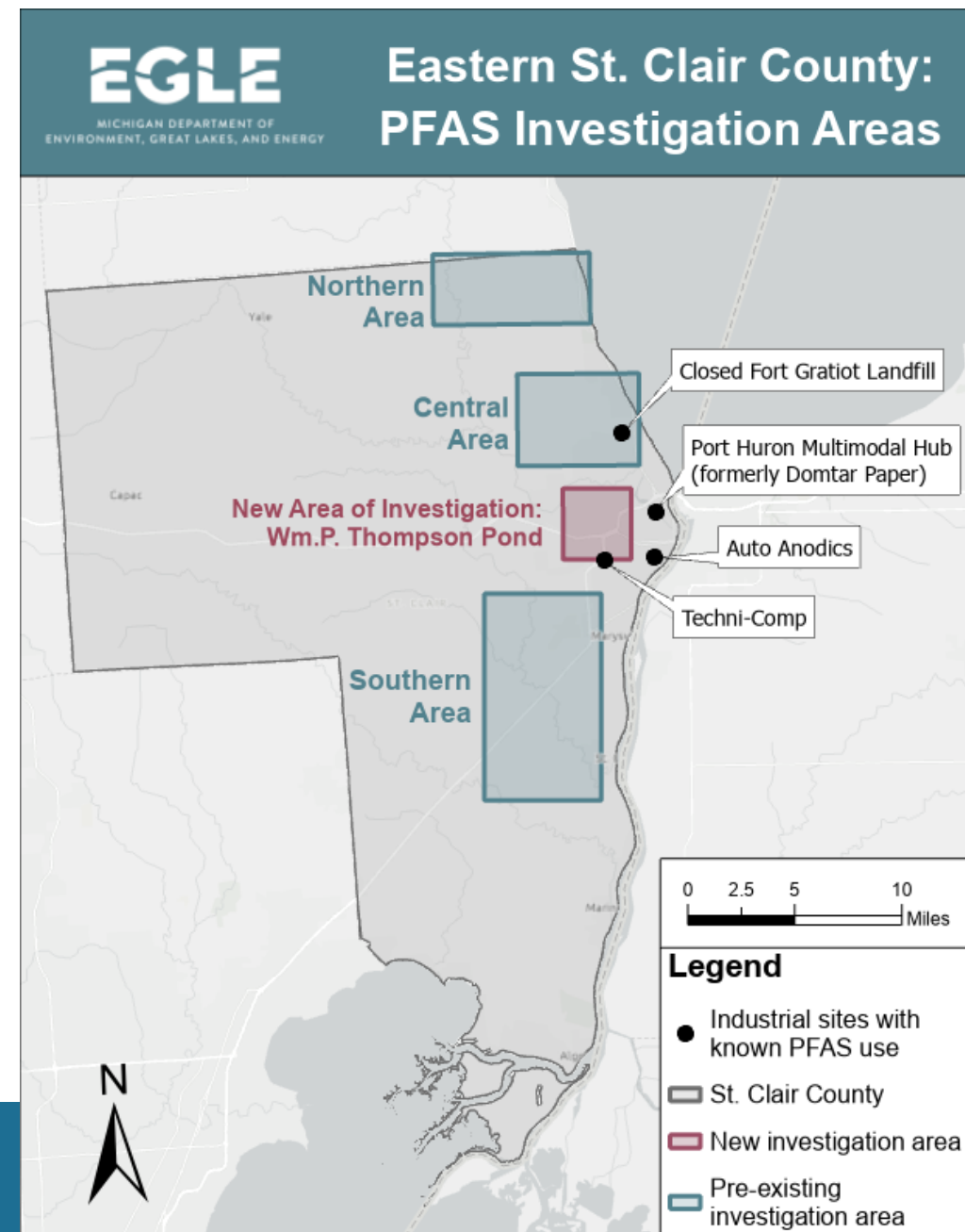


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Surface Water Impacted by PFAS

- Identified 3 areas:
 - Northern
 - Central
 - Southern
- Most of the high levels of PFOS in surface water are near historical industrially impacted biosolids land application sites

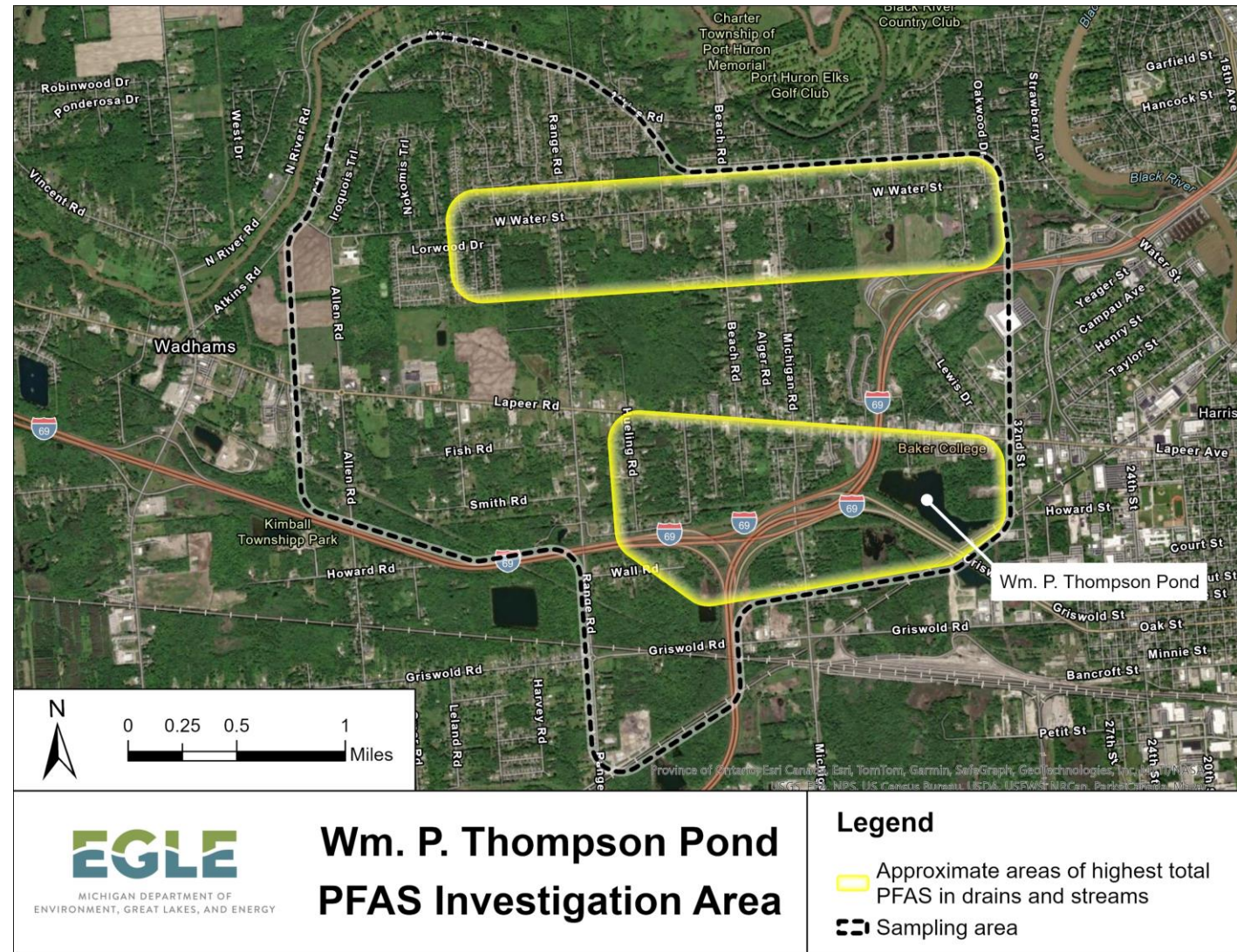


Biosolids Land Applied Today

- Since 2021 EGLE has required biosolids to be tested for PFAS before land application
 - WWTP must submit results to EGLE for review and approval
 - WWTP must provide landowner and/or owner the results
- No industrially impacted biosolids have been applied since 2018
- EGLE has identified high concentrations of PFAS in surface waters near historical Port Huron industrially impacted biosolids application sites from 1980-1989
- More information at:
Michigan.gov/egle/about/organization/water-resources/biosolids/pfas

Unknown Type of PFAS Source?

- Ongoing William P. Thompson Pond Investigation
 - Do Not Eat Fish Advisory in 2023
 - No history of industrially impacted biosolids applied
 - Surface water sampling conducted in 2024 & 2025
 - Seeing elevated PFOA in addition to PFOS



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How You Can Help EGLE

- Potentially a large-scale application of material containing PFAS
- Do you know of any fires, application of soil amendments, or land use practices?
- Any tips and information is appreciated
- You can contact me, or you can call the Pollution Emergency Alert System Hotline (PEAS) at 800-292-4706 to provide anonymous information

Area of Interest Residential Well Sampling

- Surface water concentrations and various site investigations for PFOS resulted in sampling of 48 residential drinking water wells
- **All residential drinking water wells sampled in the AOI were Non-Detect for PFAS**
- We are not finding impacts to the deep aquifer
- Extensive clay layer is providing protection

Public Water Supply

- The area is served by a combination of private wells and community public water supplies (CWS):
 - The Great Lakes Water Authority CWS Lake Huron Water Treatment Facility
 - The City of Marysville CWS
 - The City of Port Huron CWS
- The area also includes one smaller CWS and one noncommunity water supply (NCWS):
 - Sunrise Mobile Home Park (5690 Harris Road, Grant Township, MI)
 - Love's Travel Center (1336 Wadhams Road, St. Clair, MI)
- **These CWS and NCWS all conduct PFAS compliance monitoring, are currently on an annual sampling schedule, and past results have been non-detect for all tested PFAS**

Next Steps and More Information

- Additional surface water sampling will be conducted in 2026 in areas where source is unknown
- Follow up on any information gained on William P. Thompson Pond
- Visit the Eastern St. Clair County AOI website to learn more at Michigan.gov/EasternStClairCountyAOI

Eat Safe Fish Guides

Lisa Fischer, Toxicologist

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Updated Fish Consumption Screening Values

MEAL CATEGORY	2023 PFOS FCSV RANGE (NG/G OR PPB)	2025 PFOS FCSV RANGE (NG/G OR PPB)
16 meals/month	≤9	≤1.5
12 meals/month	>9-13	>1.5-2.1
8 meals/month	>13-19	>2.1-3.1
4 meals/month	>19-38	>3.1-6.2
2 meals/month	>38-75	>6.2-12.4
1 meal/month	>75-150	>12.4-24.8
6 meals/year	>150-300	>24.8-49.6
Do Not Eat	>300	>49.6

Eating Fish from Michigan's Lakes & Rivers

Michigan.gov/eatsafefish



Belle River

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Bluegill	PFOS	Any	2
Rock Bass	PFOS	Under 7"	2
	Mercury, PFOS	Over 7"	2
Sunfish	PFOS	Any	2
Yellow Perch	PFOS	Any	2

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Black River

(downstream of Fords Dam)

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Bluegill	PFOS	Any	Do Not Eat▲
Largemouth Bass	PFOS	Any	Do Not Eat▲
Rock Bass	PFOS	Any	6 Per Year
Smallmouth Bass	PFOS	Any	Do Not Eat▲
Suckers	PFOS	Any	1
Sunfish	PFOS	Any	Do Not Eat▲
Yellow Perch	PFOS	Any	2

PART

Eating Fish from Michigan's Lakes & Rivers

[Michigan.gov/eatsafefish](https://michigan.gov/eatsafefish)



Burtch Creek

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Rock Bass	PFOS	Any	Do Not Eat▲

Fort Gratiot Nature Preserve Pond

(west of Parker Road)

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Bluegill	PFOS	Any	Do Not Eat▲
Sunfish	PFOS	Any	Do Not Eat▲

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Fort Gratiot Pond

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Bluegill	Mercury, PFOS	Any	4
Sunfish	Mercury, PFOS	Any	4

Howe Drain

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Rock Bass	PFOS	Any	Do Not Eat▲

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Lake St. Clair

(If you're fishing within 2 miles of the outlet of the Lange-Revere Canals in Macomb Co., see page 51 for a special notice. This area is between Lakefront Park and Veteran's Memorial Park and out into open water.)

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Black Crappie	Mercury	Under 9"	8
		Over 9"	4
Bluegill	PFOS	Any	6 Per Year
Carp	PCBs	Any	Limited▲
Catfish	Dioxins	Any	Limited▲
Freshwater Drum	Mercury, PCBs	Any	2
Largemouth Bass	PFOS	Any	6 Per Year
Muskellunge	Mercury	Any	Do Not Eat▲
Northern Pike	Mercury	Any	2
Rock Bass	PCBs	Any	1 ^{2x}

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Smallmouth Bass	PFOS	Any	6 Per Year
Sturgeon	PCBs	Any	Limited▲
Sunfish	PFOS	Any	6 Per Year
Walleye	Dioxins, PCBs, PFOS	Any	6 Per Year
White (Silver) Bass	PCBs	Any	Limited▲
White Crappie	Mercury	Under 9"	8
		Over 9"	4
Yellow Perch	Mercury	Any	4

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Eating Fish from Michigan's Lakes & Rivers

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Pine River

(including Rattle Run)

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Black Crappie	PFOS	Any	Do Not Eat▲
Bluegill	PFOS	Any	Do Not Eat▲
Carp	PFOS	Any	Do Not Eat▲
Rock Bass	PFOS	Any	Do Not Eat▲
Sunfish	PFOS	Any	Do Not Eat▲
White Crappie	PFOS	Any	Do Not Eat▲
All Other Species	PFOS	Any	Do Not Eat▲

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Eating Fish from Michigan's Lakes & Rivers

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St. Clair River

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Carp	PCBs	Any	Limited [▲]
Freshwater Drum	Mercury, PCBs	Any	2
Largemouth Bass	Mercury, PFOS	Under 18"	2
	Mercury	Over 18"	1
Rock Bass	PFOS	Any	2
Smallmouth Bass	Mercury, PFOS	Under 18"	2
	Mercury	Over 18"	1
Sturgeon	PCBs	Any	Limited [▲]
Walleye	Dioxins, PCBs, PFOS	Any	6 Per Year
White Bass	PCBs	Any	Limited [▲]
Yellow Perch	PFOS	Any	4

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Eating Fish from Michigan's Lakes & Rivers

Michigan.gov/eatsafefish



William P. Thompson Pond

Type of Fish	Chemicals of Concern	Size of Fish (length in inches)	MI Servings per Month*
Bluegill	PFOS	Any	Do Not Eat▲
Sunfish	PFOS	Any	Do Not Eat▲
All Other Species	PFOS	Any	Do Not Eat▲

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Can you trim away PFAS? No!

- While MDHHS advises fish consumers to follow the 3Cs guideline when you can to help decrease the amount chemical ingested - these guidelines do not work for PFAS.
- **You cannot trim away or cook off certain contaminants such as PFAS.**

Get to know the **3Cs** Choose, Clean, Cook



Choose

If you eat fish often, you can use the *ESF Guide* to choose the safest fish to keep and eat from any Michigan lake or river. Is that fish limited to 1 or 2 *MI Servings* per month in the *ESF Guide*? Use the map to find another lake or river nearby where you can eat more!



Clean

When you clean your fish, try trimming away as much of the fat as you can see. Some chemicals, like PCBs and dioxin, are stored in the fat. If you cut out the fat, you cut down on the chemicals in your fish. Just note, you can't remove mercury or PFOS from your fish by trimming. Mercury and PFOS are stored in the meat of the fish.



Cook

Not only is grilling or broiling your fish healthier than frying, it also helps to get rid of more chemical-carrying fat. When you cook a fish on a grate, any fat hiding inside the fillet can melt and drip away from the fish. This removes even more of those harmful chemicals.

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www.Michigan.gov/PfasResponse



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ENVIRONMENT, GREAT LAKES, AND ENERGY



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Questions

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What to Look for When Selecting a Filter



<http://bit.ly/PFASHomeFilter>

- Make sure the filter has a NSF/ANSI Standard 53 for PFOA and PFOS reduction.
- Follow all manufacturing instructions to make sure it is reducing the PFAS as expected.