

# Wisconsin Updates

Mimi Johnson

December 12, 2022

# What are PFAS?

PFAS are a group of human-made chemicals used for decades in numerous products.

Some  
products  
that may  
contain  
**PFAS:**



contaminated  
drinking water



stain-resistant  
carpet & fabric



non-stick  
cookware



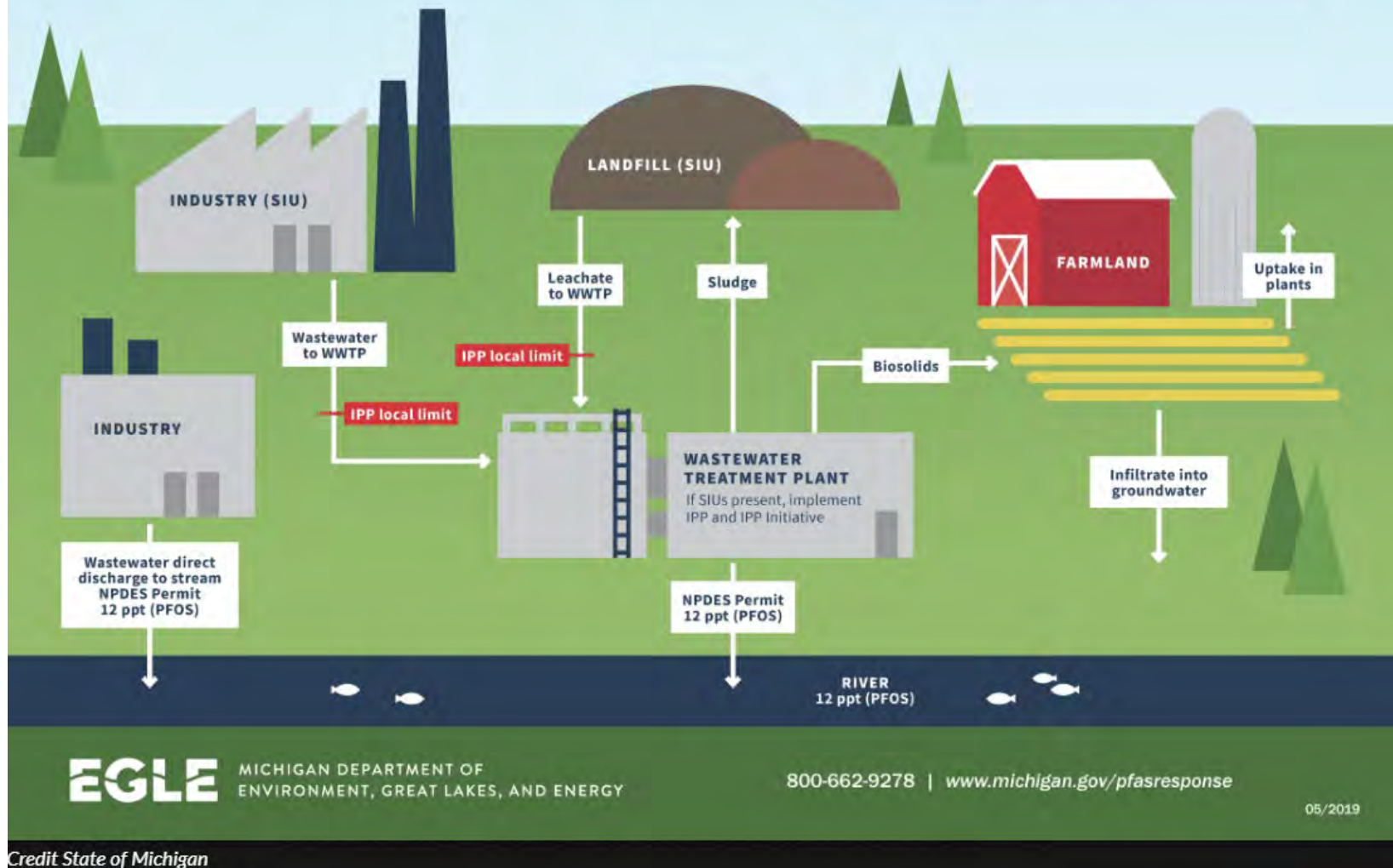
firefighting  
foam



fast food  
packaging

# PFAS Water Cycle

IPP = Industrial Pretreatment Program  
SIU = Significant Industrial User  
NPDES = National Pollutant Discharge Elimination System  
PPT = Parts Per Trillion  
WWTP = Wastewater Treatment Plant

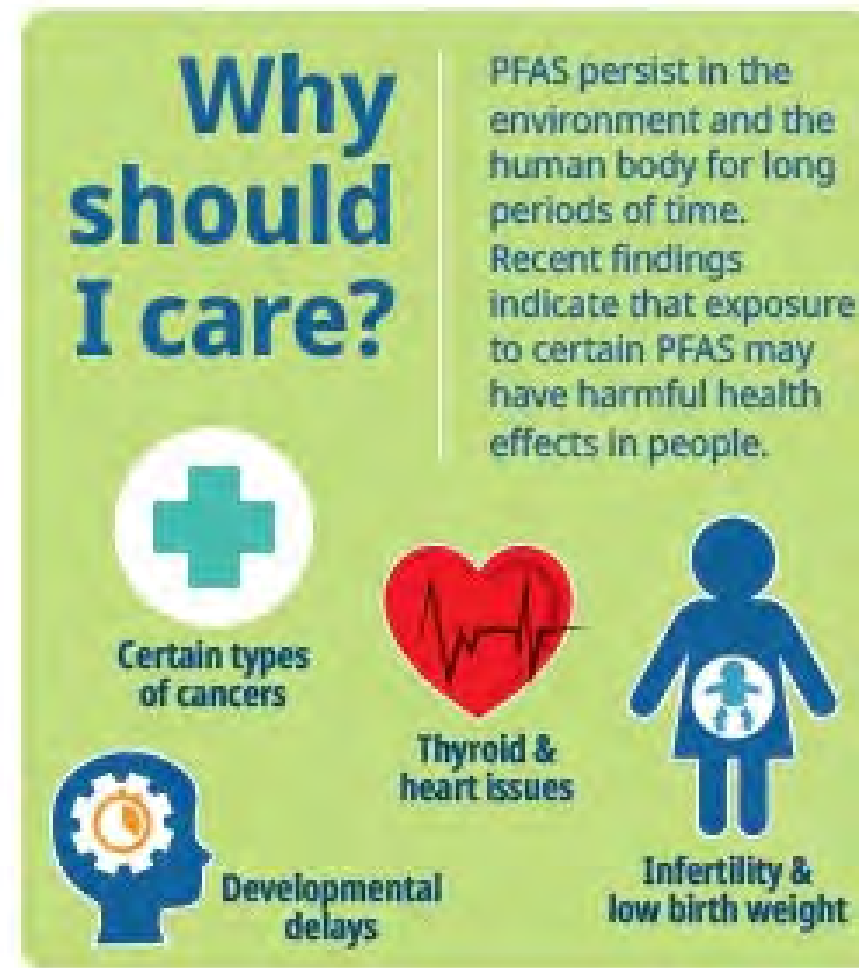


## How PFAS Travels through our Environment

# PFAS and Health

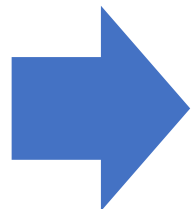
Studies suggest PFAS may affect people's health:

- Growth, learning and behavior in children
- Lower a woman's chance of getting pregnant
- Interfere with the body's natural hormones
- Increase cholesterol levels
- Affect the immune system
- Increase the risk of cancer

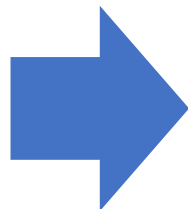




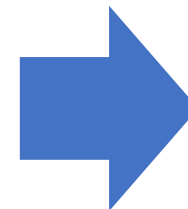
Agencies identify substances that are or may be in groundwater.



DNR requests DHS review of substances that may impact public health.

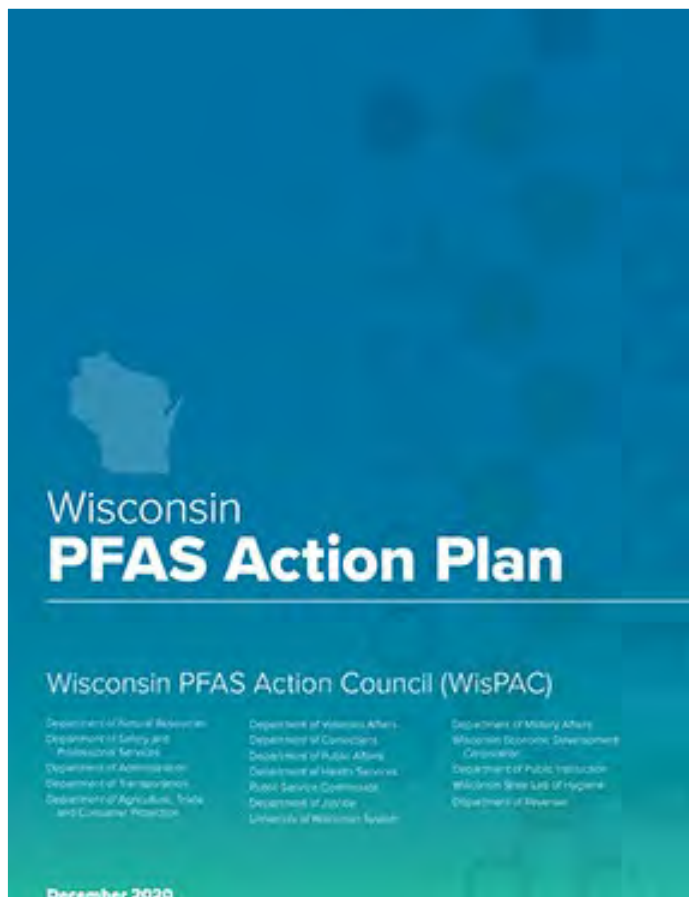


DHS develops recommended standards.



DNR proposes rules.





## Action Items

- 25 recommendations for action

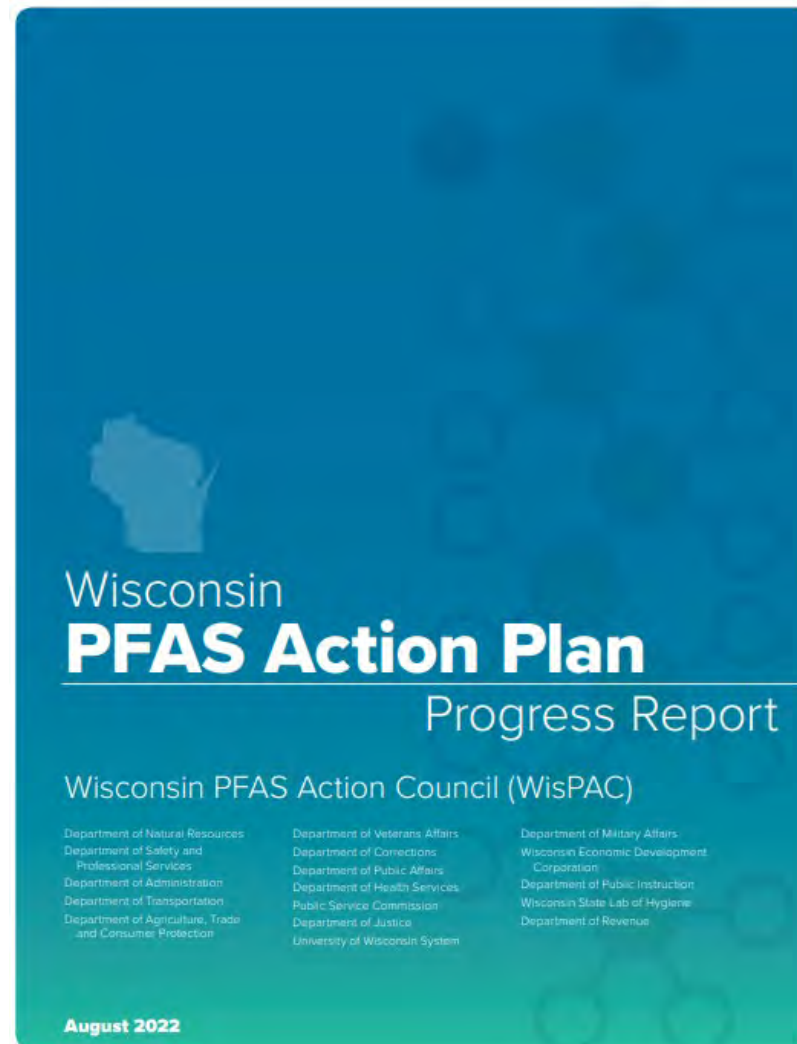
## Guiding Principles

- Environmental Justice, Health Equity, Innovation & Pollution Prevention

## Action Plan Themes

- Standard Setting, Sampling, Pollution Prevention, Engagement, Education & Communication, Research & Knowledge, Phase Out, Future Investments, Identify & Address Historic Discharges

# Agency Actions





# Wisconsin PFAS Interactive Data Viewer

[More about PFAS](#)

Welcome! [CLICK HERE](#) to learn more about this map, interact with the layers below or zoom in to start exploring.

## LAYER CONTROLS

- ▶ ☒ PFAS Cleanup Sites ...
- ▶ ☒ PFAS Sampling Info ...
- ▶ ☒ PFAS-Based Consumption Advice ...

## LEGEND

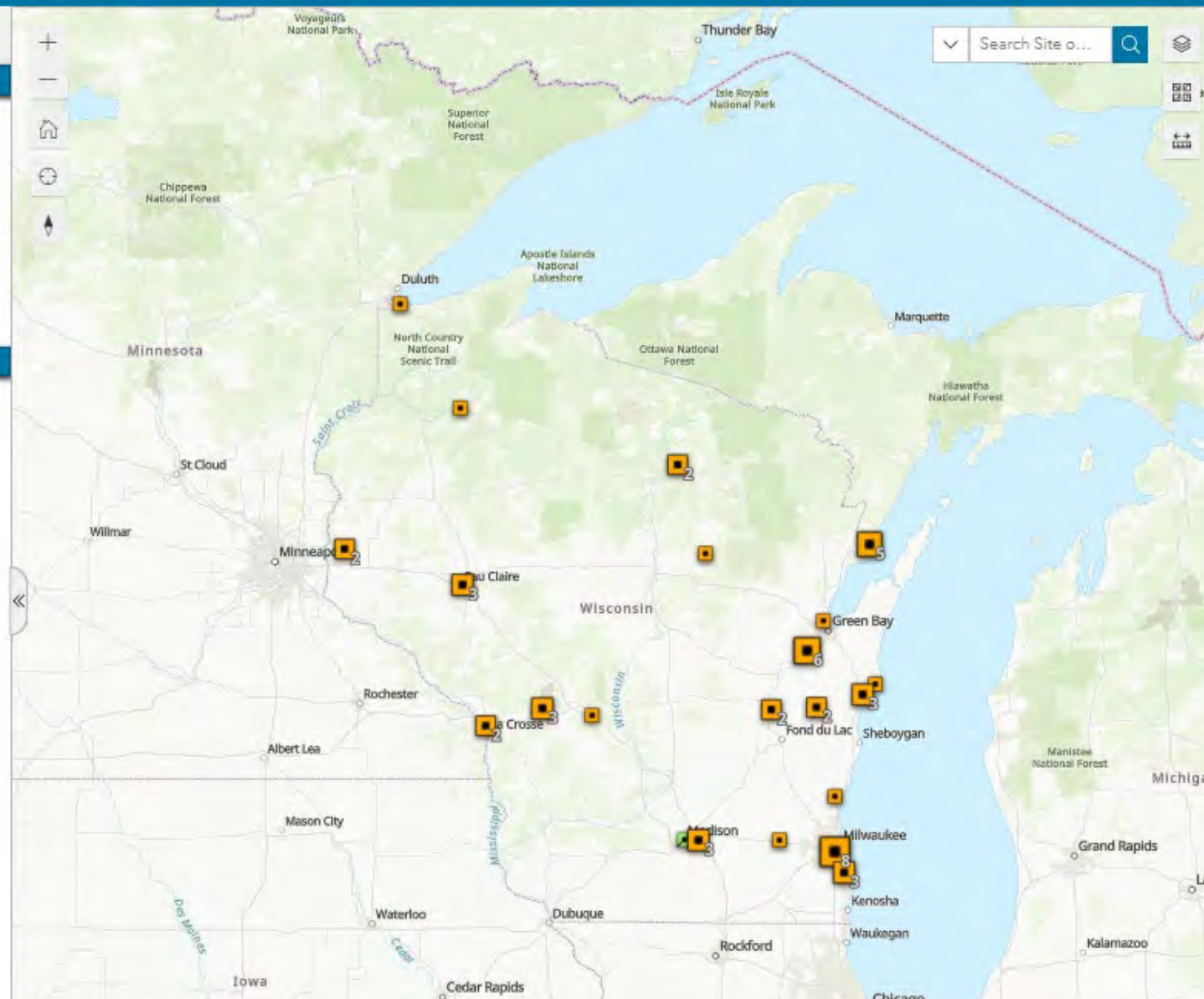
### PFAS Cleanup Sites

#### PFAS Sites (Open Under Investigation)








Number of features




#### PFAS Sites (Closed)




# PFAS Sites



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 » TOPIC » BROWNFIELDS: REDEVELOPMENT OPPORTUNITIES

## BUREAU FOR REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) ON THE WEB

LAUNCH

BRRTS on the Web

The Bureau for Remediation and Redevelopment Tracking System (BRRTS) on the Web (BOTW) is DNR's comprehensive online database that provides information on contaminated properties and other cleanup and redevelopment activities in Wisconsin.

Please note that BOTW also includes information on sites and properties where environmental analysis has found little or no impact on human health or the environment, or no contamination at all. Such entries may be found under three different activity types: abandoned containers, no action required and general property.

The database is part of the DNR's [Wisconsin Remediation and Redevelopment Database \(WRRD\)](#) and includes, but is not limited to, the following information:

- Investigations and cleanups of contaminated soil, groundwater, sediment and vapor intrusion;
- Materials management sites;
- Spills or abandoned containers;
- Superfund sites; and
- DNR funding assistance.

You can also view most information from BOTW via [RR Sites Map](#).

### SUPPLEMENTAL PAGES

A list of BOTW supplemental pages displaying additional data from the BRRTS database. Most pages contain "live" data that may be downloaded in real-time. To view the supplemental pages listed below, visit [BOTW Supplemental Pages](#).

- Action Code Reference List
- Bulk Data Download
- Drycleaner Facility Listing
- Liens/Notices of Contamination
- PFAS Site Listing
- OPEN Spill Incidents

### Brownfields: Redevelopment Opportunities

RR Report Newsfeed

Find Contaminated Land Activities

Request Green Team Assistance

Submit Files Related to ch. NR 700, Wis. Adm. Code

Report a Spill

Environmental Contamination & Cleanup

### Related Links

For Environmental Professionals

Environmental Liability

Redeveloping Property

Cleaning Up Contamination

Financial Resources

About the RR Program

Services and Fees

Contaminated Soil and Sediment

Vapor Intrusion Resources



# Wisconsin PFAS Interactive Data Viewer

[More about PFAS](#)

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## LAYER CONTROLS

- ▼ ☒ PFAS Cleanup Sites \*\*\*
- ☒ PFAS Sites (Open Under Investigation) \*\*\*
- ☒ PFAS Sites (Closed) \*\*\*
- ▶ ☒ PFAS Sampling Info \*\*\*
- ▶ ☒ PFAS-Based Consumption Advice \*\*\*

## LEGEND

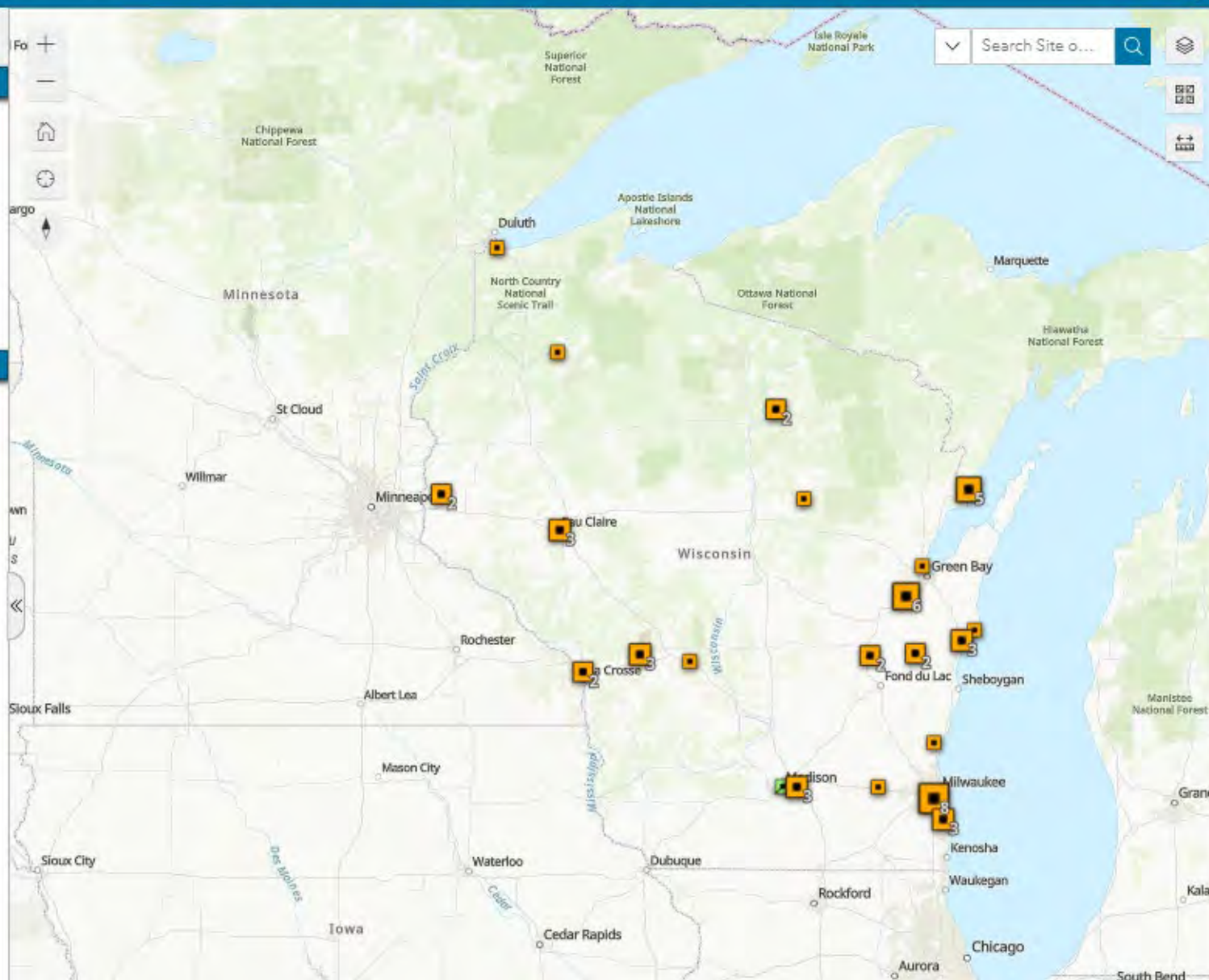
### PFAS Cleanup Sites

#### PFAS Sites (Open Under Investigation)


Number of features



#### PFAS Sites (Closed)



# Drinking Water

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Drinking Water System Portal

Drinking Water System Portal: Home Page

A Public Water System (PWS) provides piped water to the public for human consumption. Wisconsin PWSs are regulated under the Safe Drinking Water Act (SDWA). This site allows you to query and download data from our database, the Drinking Water System (DWS), which is maintained and used by DNR SDWA regulators. Information is current as of approximately 10 p.m. the prior day. It includes information such as PWS monitoring and other requirements, sample results, violations, inspection findings, plan/document review status, etc. For assistance using this tool, please refer to the "Help" link in the upper right corner. If your question is not answered there or you receive an error, please email [DNRPublicWaterApplicationSupport@wisconsin.gov](mailto:DNRPublicWaterApplicationSupport@wisconsin.gov) for further assistance.

Find Public Water Systems

Find Contaminants in Public Water Supplies


Bacti Laboratory Listing

Find Plan Reviews

Reports

PFAS Contaminant Sample Results

Wisconsin Department of Natural Resources  
101 S. Webster Street PO Box 7921  
Madison, WI 53707-7921  
Call 1-888-936-7463 (TTY via relay: 711) from 7AM to 10PM  
Email Customer Service: [CSWEB@wisconsin.gov](mailto:CSWEB@wisconsin.gov)





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## LAYER CONTROLS

- ☒ PFAS Cleanup Sites ...
- ☒ PFAS Sampling Info ...
  - ☒ Municipal Water System Sampling ...
  - ☒ Surface Water and Fish Tissue Sampling ...
- ☒ PFAS-Based Consumption Advice ...

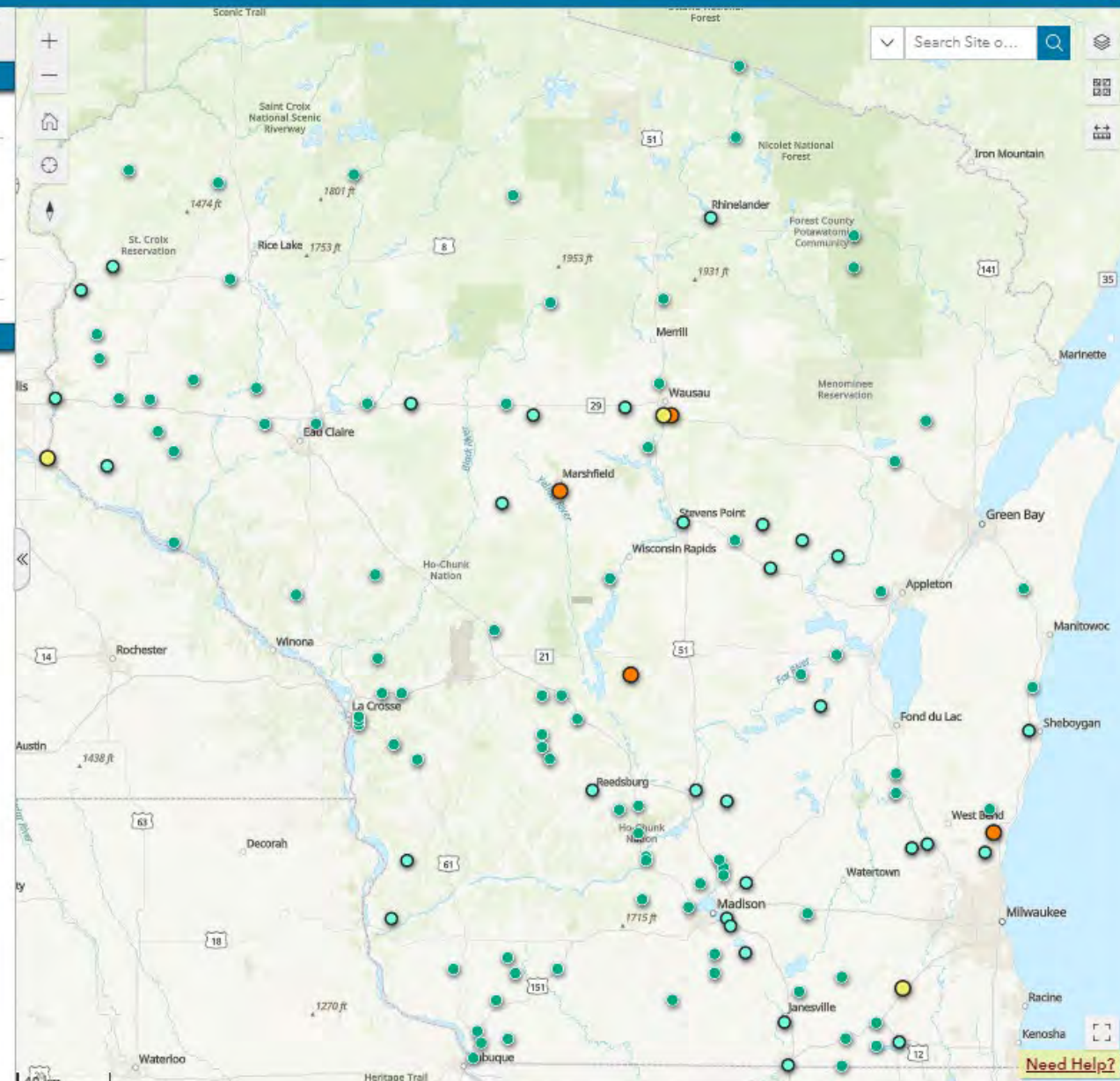
## LEGEND

### PFAS Sampling Info

#### Municipal Water System Sampling

##### Sample Results

- PFAS above the WI DHS health advisory level in one or more samples from the system
- PFAS exceeds the WI DHS hazard index for samples from the water system
- PFAS detected below hazard index in one or more samples from the water system
- PFAS not detected in any samples from the water system




# Statewide Municipal PFAS Sampling



# Fish and Wildlife

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[Home](#) » [TOPIC](#) » [FISHING](#)

## EATING YOUR CATCH - MAKING HEALTHY CHOICES

FISHING WISCONSIN



Eating your catch can be part of a healthy, balanced diet. Fish are generally low in unhealthy saturated fats and high in protein. Fish contain vitamins and minerals and are the primary food source for healthy omega-3 fats. Studies suggest that omega-3 fats may be beneficial during fetal brain and eye development, and eating modest amounts of fish containing these healthy fats may lower the risk of heart disease in adults. Health experts recommend that fish be included as part of a healthy diet.


However, fish may take in pollutants from their environment and food. [Mercury](#), [PCBs](#), and [PFAS](#) are the contaminants of greatest concern in fish, prompting recommendations that people limit or avoid eating certain species of fish from many waters throughout the nation. You can get the health benefits of eating Wisconsin's fish while also reducing potential health risks from unwanted pollutants by following Wisconsin's fish consumption guidelines.

Compare the type of fish and where you caught your fish with the consumption advice. After consulting the recommendations, you may find that you do not have to change your eating habits, you may choose to eat different types of fish or eat some species less frequently.

### CHOOSE WISELY PUBLICATION

The DNR's current fish consumption advisories are also available in [Choose wisely: a health guide for eating fish in Wisconsin \[PUB-PH-024\]](#).

### FIND ADVICE FOR YOUR FISHING SPOT



Use the [online query tool](#) to select the water that you'll be fishing.

### GENERAL STATEWIDE SAFE-EATING GUIDELINES

Safe-eating guidelines apply to fish from most of Wisconsin's inland – i.e. non-Great Lakes – waters. Exceptions apply to some locations including the Great Lakes (see map below).

### Fishing

<a href="#">Buy Fishing License</a>
<a href="#">Find Places to Fish</a>
<a href="#">Youth and Fishing</a>
<a href="#">Fish Hatcheries</a>
<a href="#">Fish Stocking</a>
<a href="#">Fisheries Survey Reports</a>
<a href="#">Fish Farming</a>
<a href="#">Wisconsin's Fishes</a>

For information on healthy choices, contact:

[Sean Strom](#)  
Environmental Toxicologist



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# Presence in Wildlife & Fish

- Deer
- Eagles
- Waterfowl
- Fish



**ADVISORY**  
**Possible Chemical Exposure Hazard:**  
**This water contains PFAS**  
(per- and poly-fluoroalkyl substances)

**To protect you, your family, and your pets from potential PFAS exposure:**

- Avoid drinking or accidentally swallowing water or foam.
- To avoid accidental ingestion, wash your hands after wading or playing in the water or foam.
- Do not let your pet drink the water or foam and rinse pets after contact with the water or foam to avoid them licking PFAS that may be on their fur.

**Touching the water is not a health concern.**

**Fish tissue samples from this area are being tested for PFAS.**  
Once we have fish tissue results, we will have a better understanding of the potential health effects from PFAS levels in fish caught from the area. Visit the DNR's website for fish consumption advisories for other contaminants: [dnr.wi.gov/topic/fishing/consumption](https://dnr.wi.gov/topic/fishing/consumption)

**More information**  
WI Department of Health Services: [dhs.wisconsin.gov/chemicals/pfas.htm](https://dhs.wisconsin.gov/chemicals/pfas.htm)  
Public Health Madison & Dane County: [publichealth.mdc.com/pfas](https://publichealth.mdc.com/pfas)  
Wisconsin Air National Guard: [dmsa.wi.gov/DMA2/pfas-pfbs](https://dmsa.wi.gov/DMA2/pfas-pfbs)

This surface water is currently being investigated in accordance with Wisconsin laws. Search "BOTW", Activity #02-13-584369 on [dnr.wi.us](https://dnr.wi.us)










## CHOOSE WISELY


**A HEALTH GUIDE FOR EATING FISH IN WISCONSIN**

2020 – 2021




# Surface Water





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» TOPIC » SURFACE WATER

## SURFACE WATER INTEGRATED MONITORING SYSTEM (SWIMS) DATABASE

The Surface Water Integrated Monitoring System (SWIMS) is a DNR system that holds chemistry (water, sediment, fish tissue) data, physical data, biological (macroinvertebrate, aquatic invasives) data and more. SWIMS is the state's repository of monitoring data for Clean Water Act work and is the source of data sharing through the [Water Quality Exchange Network](#) (exit DNR).

Department fisheries and water quality biologists use the system to locate monitoring stations, store water quality data and link to fisheries datasets housed at the U.S. Geological Survey. SWIMS is also used by citizen volunteers to store monitoring results for lakes, streams and wetlands.

### ACCESS THE SYSTEM

- General non-DNR users [log in with your WAMS ID and Password](#)
- DNR Users [log in with your WAMS ID and Password](#)
- [Help and tips](#) for using SWIMS

### VOLUNTEERS

- [Citizen Lakes Monitoring Network \(CLMN\)](#)
  - Data Entry - use <https://dnr.wi.gov/lakes/clmn-data>
- [Water Action Volunteers](#) (exit DNR)
- [DNR Water Monitoring Programs](#)

### DATA IN SWIMS

#### RIVER AND STREAM DATA IN SWIMS

SWIMS holds a wide variety of river and streams data, including baseline, targeted and evaluation monitoring, grant projects, grant final reports and river/watershed planning work.

#### MONITORING DATA

#### Surface Water Quality

Assessment Process
Monitoring
Planning
Standards and Classifications
Search Wisconsin Waters

#### Additional Resources

[USGS - Upper Midwest Water Science Center](#) (exit DNR)

[EPA - Watershed Assessment, Tracking & Environmental Results System \(WATERS\)](#) (e...

For more information, contact:

[DNRSWIMS@Wisconsin.gov](mailto:DNRSWIMS@Wisconsin.gov)



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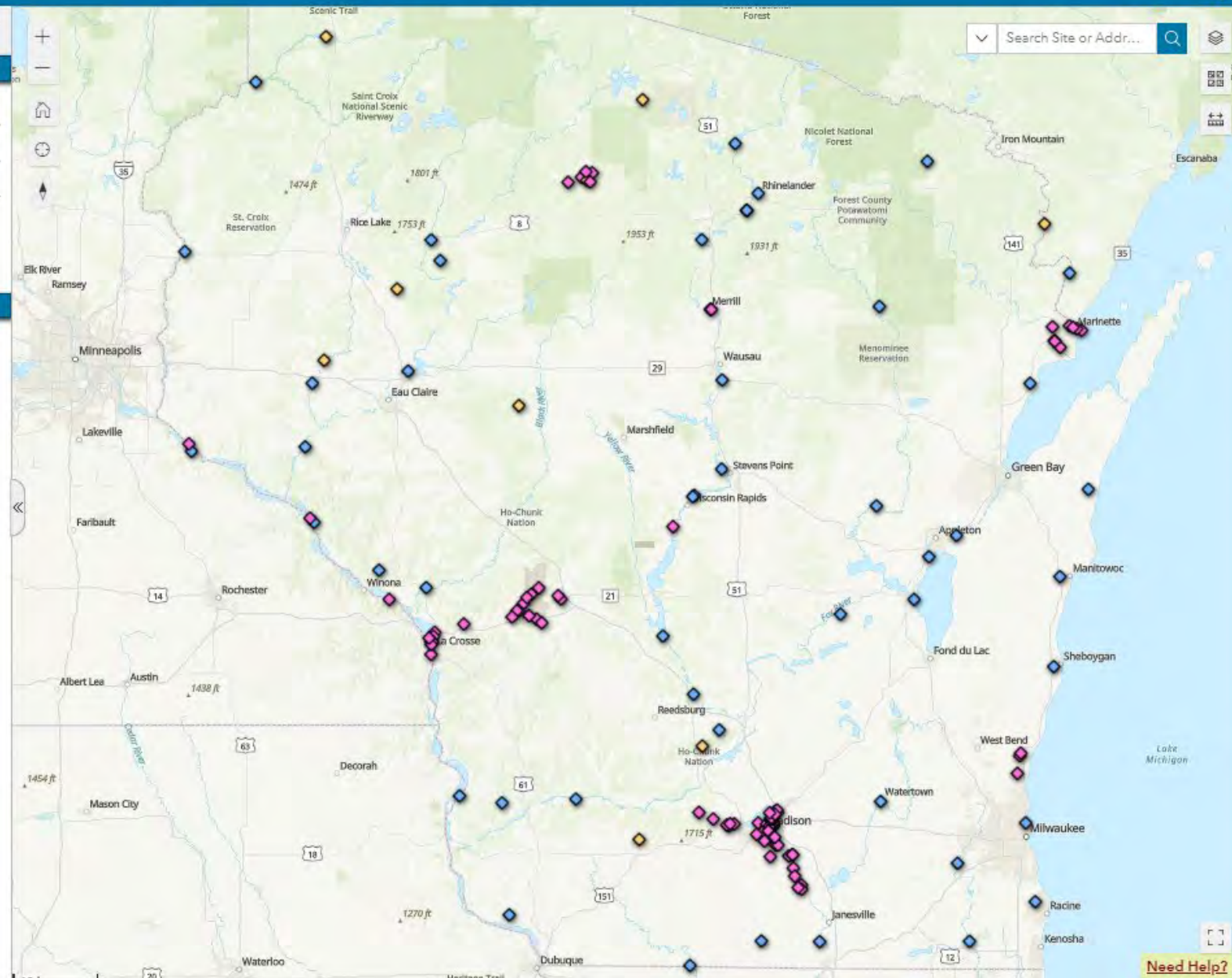
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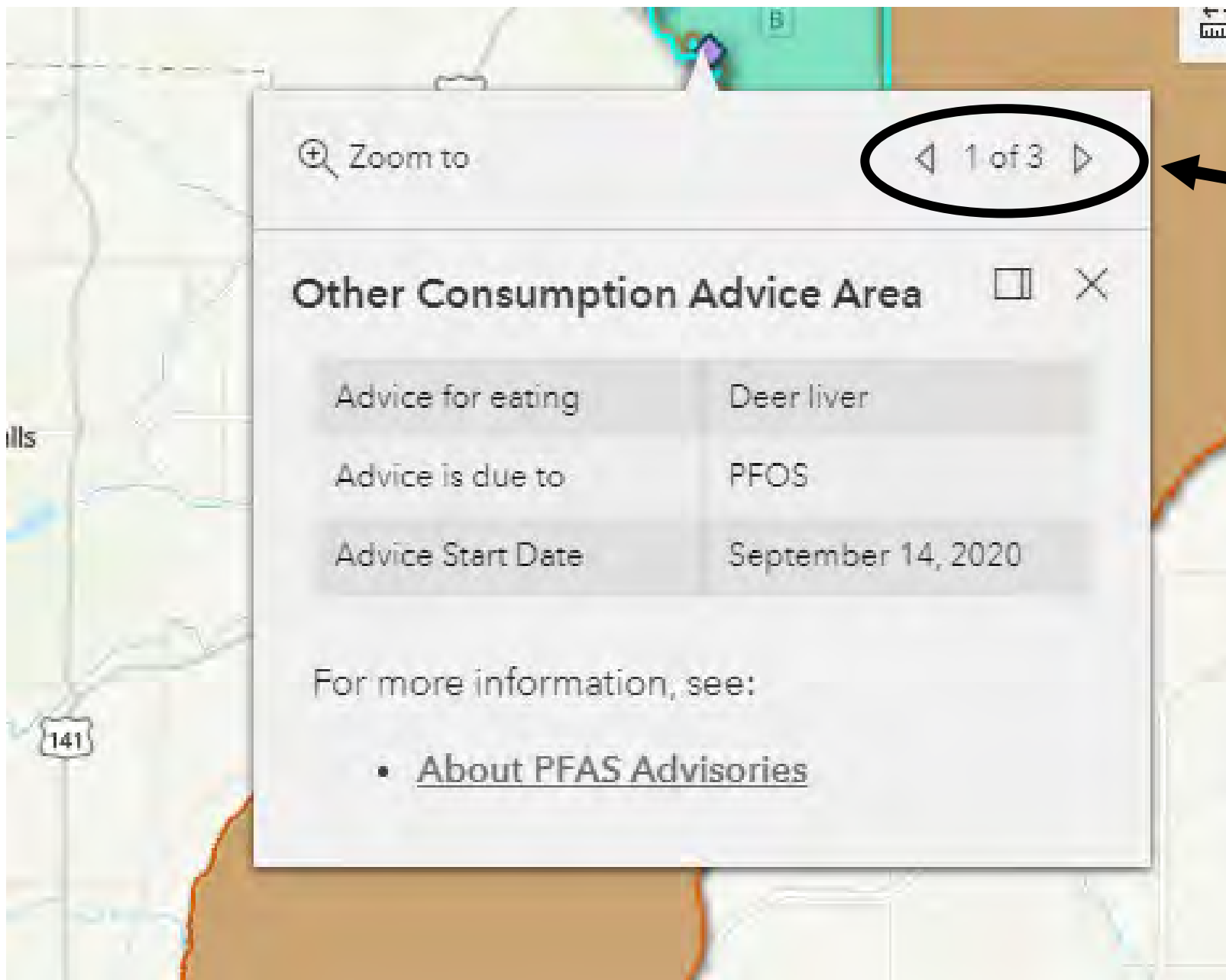
### PFAS Sampling Info

#### Surface Water and Fish Tissue Sampling

##### Type Specific Monitoring

- ◆ Background Monitoring - Lakes
- ◆ Background Monitoring - Major Rivers
- ◆ Targeted Monitoring





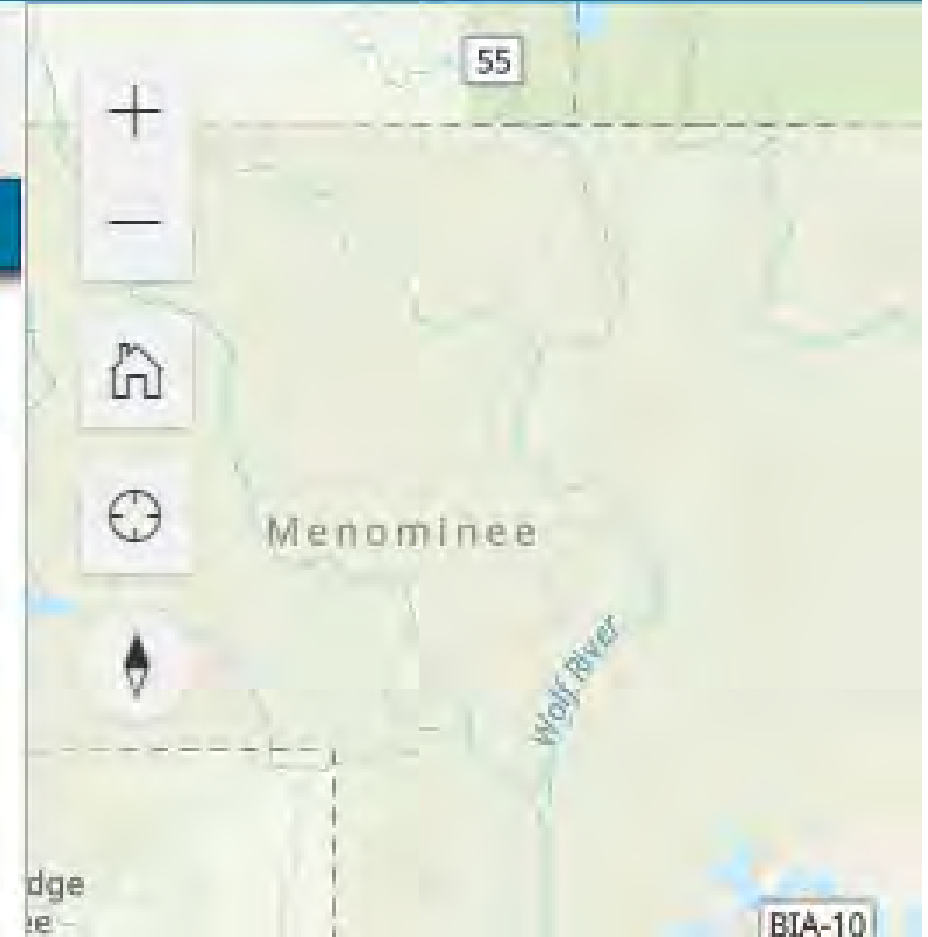


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# Minimize Use of PFAS Firefighting Foam - Funds for Disposal or Treatment



# Bipartisan Infrastructure Law



## Bipartisan Infrastructure Law: A Historic Investment in Water

President Biden's leadership and bipartisan Congressional action have delivered the single-largest investment in U.S. water infrastructure ever. The Bipartisan Infrastructure Law invests **more than \$50 billion** through EPA's highly successful water infrastructure programs.

**\$20+ billion** for safe drinking water.  
**\$15 billion** in dedicated funding to replace lead pipes.  
**\$12+ billion** to ensure clean water for communities.  
**\$1.8 billion** to protect regional waters.  
**\$135 million** for additional water improvements.

With this funding, EPA, states, Tribes, and localities have a once-in-a-lifetime opportunity to strengthen and rebuild America's water infrastructure. EPA will ensure that all communities get their fair share of this federal water infrastructure investment—especially disadvantaged communities. This funding will put Americans to work in good-paying jobs and support a thriving economy.

### Safe Drinking Water

There are still an estimated 6 to 10 million lead service lines in cities and towns across the country, many of which are in low-income neighborhoods and communities of color. The Bipartisan Infrastructure Law will deliver resources to remove these lead pipes, in line with President Biden's goal of removing 100% of lead service lines. This means that millions of families will be able to rely on drinking water that is safe from lead and other contaminants.

### Clean Water for Communities

The nation's wastewater and stormwater management systems that are critical to safely returning used water to the environment are aging and breaking down. With more than \$12 billion for clean water infrastructure, communities will be able to upgrade these critical systems. This means that more people will be able to swim, fish, and play in their waters and the environment will be cleaner and more vibrant.

### Protecting Regional Waters

Investing in regional waters—from the Chesapeake Bay, to the Great Lakes, to the Puget Sound—will better protect the nation's largest and most treasured waters to ensure that they continue to serve as vital economic and recreational assets.

**Water is life.** It keeps us healthy, sustains vibrant communities and dynamic ecosystems, and it supports the economy. **Water infrastructure** is essential to delivering reliable, affordable, and safe water. When water infrastructure fails, it threatens people's health, peace of mind, and the environment. The **Bipartisan Infrastructure Law** provides a historic investment to replace pipes, upgrade water treatment facilities, and ensure that America's water systems are resilient for the future.

## Safe Drinking Water

**\$15 billion**

**Lead Service Line Replacement** through the [Drinking Water State Revolving Funds](#)  
49% of funds will be provided to communities as grants or principal forgiveness loans.  
51% of funds will be available to communities for low-interest loans.  
State match is not required.

**\$11.7 billion**

**Drinking Water State Revolving Funds**  
49% of funds will be provided to communities as grants or principal forgiveness loans.  
51% of funds will be available to communities for low-interest loans.  
State match is reduced to 10%.

**\$4 billion**

**Addressing Emerging Contaminants through the Drinking Water SRF**  
Can be used to remediate PFAS in drinking water.  
All funds provided to communities as grants or principal forgiveness loans.  
State match is not required.

**\$5 billion**

**Addressing Emerging Contaminants in Disadvantaged Communities**  
Funding through [Small, Underserved, and Disadvantaged Communities Grants](#)  
Can be used to remediate PFAS in drinking water.  
Provided as grants.  
State match is not required.

## Clean Water for Communities

**\$11.7 billion**

**Clean Water State Revolving Funds (CWSRF)**  
49% of funds will be available for grants or principal forgiveness loans.  
51% of funds will be available for low-interest loans.  
State match is reduced to 10%.

**\$1 billion**

**Addressing Emerging Contaminants**  
Funding through Clean Water State Revolving Funds.  
All funds provided as grants or principal forgiveness loans.  
State match is not required.

## Protecting Regional Waters

**\$1.7 billion**

**Geographic Programs**  
Funding directed to 12 federally recognized geographic programs.

**\$132 million**

**National Estuary Program (NEP)**  
Funding to be distributed across 28 Federally recognized estuaries to restore vulnerable coastal areas and communities.

## Additional Investments in Water

**\$60 million**

**Gulf of Mexico Hypoxia Task Force (HTF)**  
Funding to be divided equally across 12 Hypoxia Task Force states.

**\$50 million**

**Underground Injection Control Grants (UIC)**  
Funding to support states' efforts to attain Class VI primacy.  
100% of funding provided as grants.  
State match is not required.

**\$25 million**

**Permitting Class VI Wells (Class VI Wells)**  
Support to EPA for carbon sequestration programs.

# Federal Initiatives



## PFAS Strategic Roadmap: EPA's Commitments to Action 2021–2024



# CONNECT WITH US

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"WILD WISCONSIN:  
OFF THE RECORD"