



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Use Advisory Council

April 9, 2024

WUAC Chair Order

April 9, 2024

- Laura Campbell, Michigan Farm Bureau (1-6)
- Pat Staskiewicz, Michigan American Water Works Association (7-12)

Agenda

Water Use Advisory Council (WUAC) Meeting

Hosted by the Department of Environment, Great Lakes, and Energy (EGLE)

Tuesday, April 9, 2024

1:00 p.m.- 4:00 p.m.

Lee Walker Conference Room, North Atrium, Constitution Hall
525 West Allegan, Lansing, MI 48933

Remote Option Available Via Teams

[Click here to join the meeting](#)

Or call in (audio only)

[+1 248-509-0316, 530369618#](#) United States, Pontiac

Phone Conference ID: 530 369 618#

Agenda (cont.)

1. Welcome
2. Roll Call
3. Approval of Agenda-Roll Call Vote
4. Approval of Minutes-Roll Call Vote Discussion
5. Public Comment (Three Minute Limit)
6. Committee Chairs Report
 - a. Data Collection Committee
 - b. Models Committee
 - c. New Topics Committee
 - MSU Water User Committee Study
 - d. Conservation and Efficiency Committee
 - e. Implementation Committee
7. EGLE Update
 - a. Zone D Watershed Management Area Regulatory Discussion
8. Water Use Advisory 2022 Recommendation Budget Update

Agenda (cont.)

9. Department Appointment Update
10. Future
 - a. 2024 Meeting Dates (at Con Hall unless others offer to host)
(*Quorum critical meetings)
 - June 11, 2024*
 - August 13, 2024 – Anticipated Committee Topics List for Final Report Due
 - September 10, 2024*
 - October 8, 2024*
 - November 12, 2024*
 - December 10, 2024
 - b. Formats
 - c. Quorum
 - d. Officers for WUAC
11. Open Comments (Three Minute Limit)
12. Motion to Adjourn

1. Welcome



2. Roll Call



3. Approval of Agenda –Roll Call Vote



4. Approval of Minutes—Roll Call Vote

5. Public Comment

3 Minute Limit

6. Committee Chairs Reports

- A. Data Collection Committee
- B. Models Committee
- C. New Topics Committee
 - MSU Water User Committee Study
- D. Conservation and Efficiency Committee
- E. Implementation Committee

Water Conservation and Efficiency Committee

- Continue monthly meetings
- Implementing WCEC 2020 recommendations
 - 2020 Recommendation 1. Advance Michigan’s Water Conservation and Efficiency Efforts through State Climate, Energy, and Water Infrastructure Initiatives
 - Finalizing grant agreement with Alliance for Water Efficiency for Water Conservation BMP Project, March 1 start date
 - 2020 Recommendation 2. Increasing Water Conservation and Efficiency Practices in Agriculture.
 - MSU-Extension hired one educator, starting May 20. One more position to fill.
 - MSU-Extension will focus on convening advisory committee for project in May

Water Conservation and Efficiency Committee

- 2024 Recommendation Concepts
 - Revised 2022 agricultural irrigation pilot project
 - Reviewing new research
 - Refining language based on 2022 feedback
 - Water-energy nexus, water conservation and energy conservation projects
 - Partner with EPA Water Sense Program to promote resources
 - Leak reduction projects that also reduce energy use
 - Create a water conservation coordinator position to provide technical assistance, promote available funding and resources
 - Pilot grant program to support and incentivize innovative water conservation projects and implement bmp projects in areas of potential water stress
 - Impacts of climate migration on land and water use
 - Inviting researchers from MSU-Institute for Water Research and USGS to gather information on topic to develop concept



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7. Program Update

Water Use Advisory Council

April 9, 2024

Personnel Update

- Clay Joupperi departure

2020 Recommendations

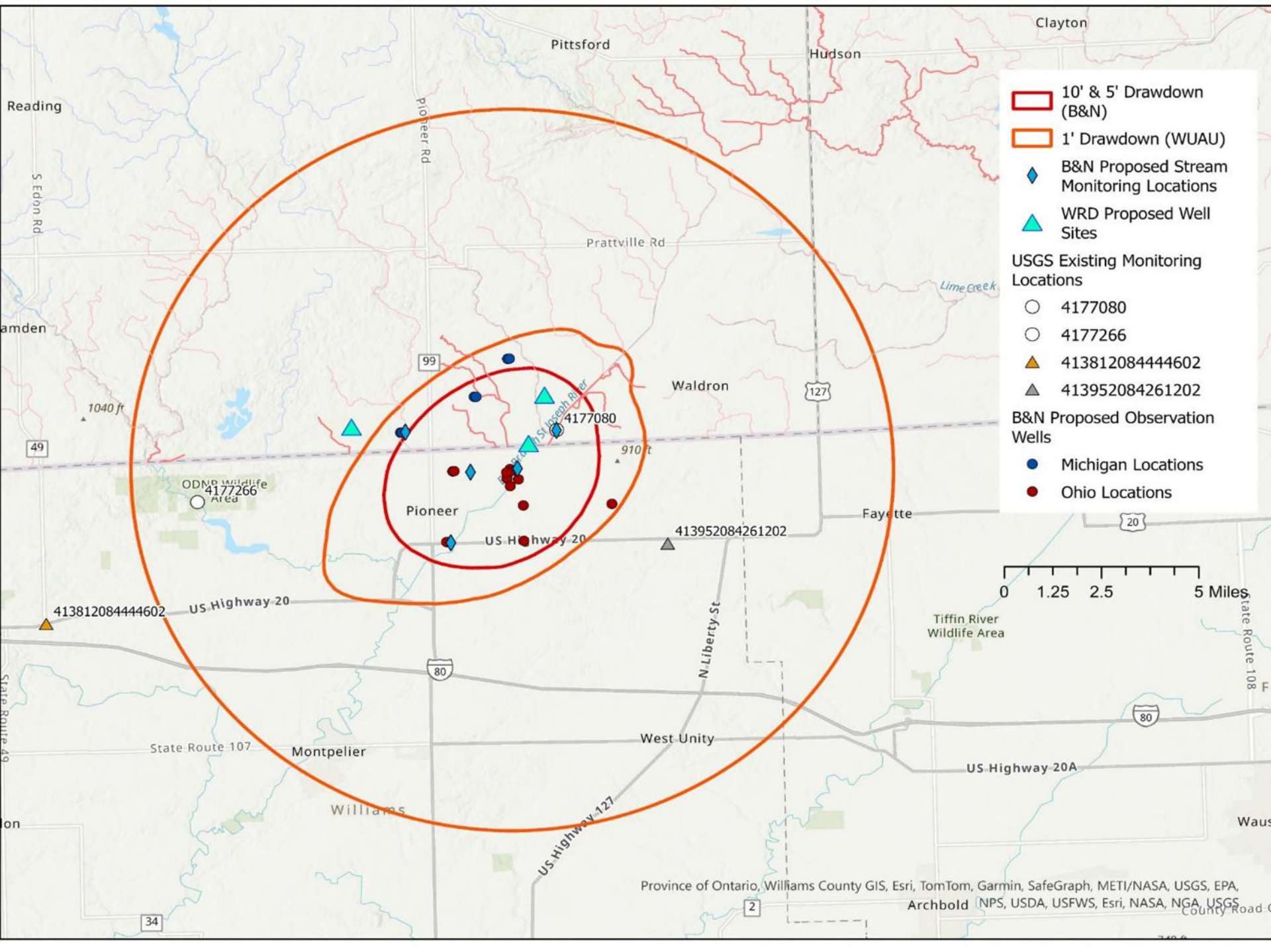
- MI Hydrologic Framework
- MI Integrated Water Management Database
- Transition probability mapping
- Long Term Data Collection Planning

EGLE Groundwater Data Management System

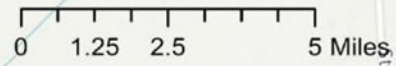
- Contractor selected
- Contract in process

AquaBounty

- USGS & EGLE obtaining property access for monitoring wells in MI
- MOU between RRD & WRD for drilling
- Drilling scheduled in June

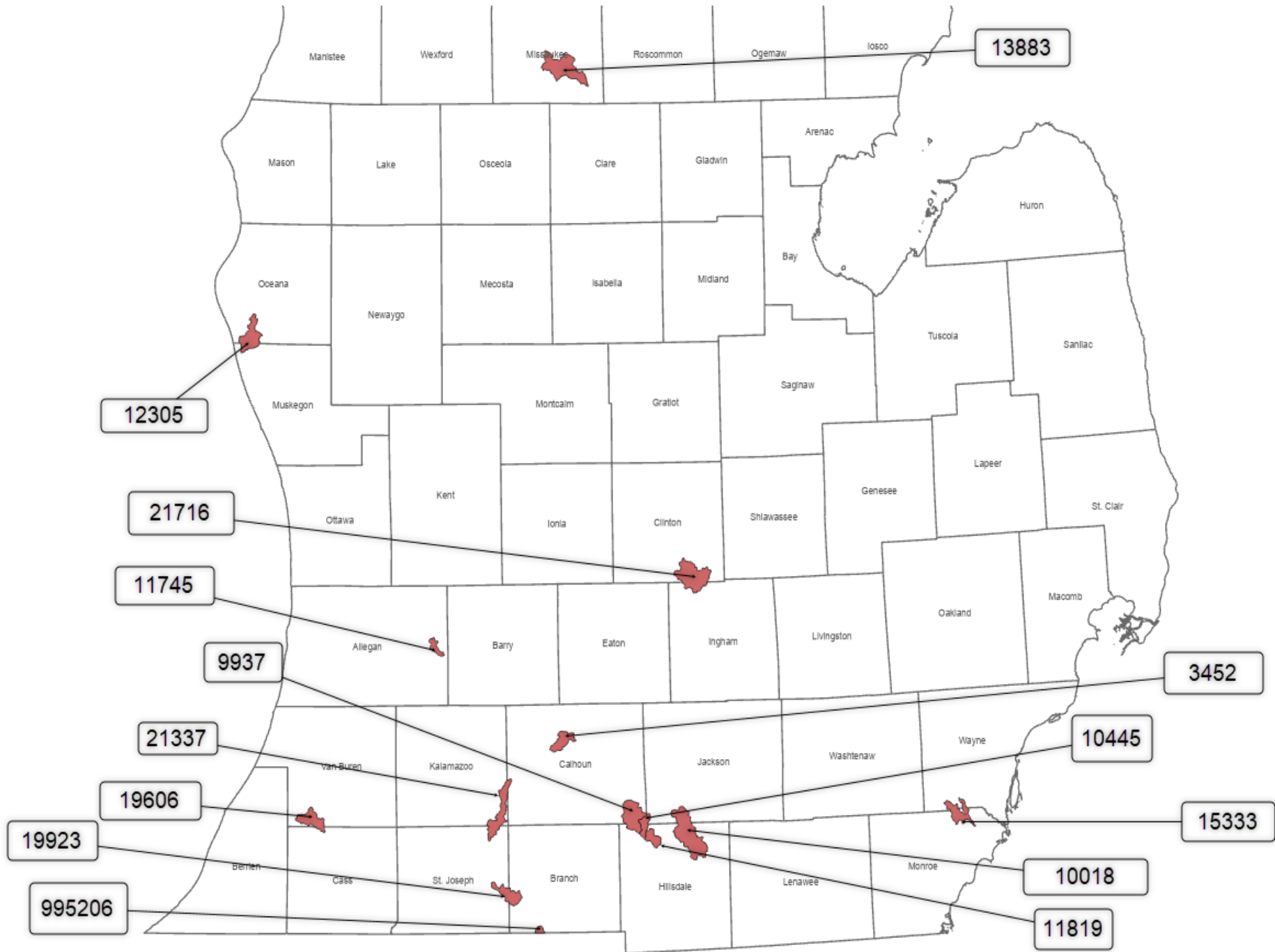


- 10' & 5' Drawdown (B&N)
- 1' Drawdown (WUAU)
- ◆ B&N Proposed Stream Monitoring Locations
- ▲ WRD Proposed Well Sites
- USGS Existing Monitoring Locations**
- 4177080
- 4177266
- ▲ 413812084444602
- ▲ 413952084261202
- B&N Proposed Observation Wells**
- Michigan Locations
- Ohio Locations



EGLE actions in WMAs to confirm Zone D determinations

- Compliance review
- Available baseline &/or registered capacity?
- Recalculated stream flow depletions
 - Transmissivity
 - Storage coefficient
 - KvW



Depleted WMAs as of March 2024

WMA Number	Stream Type	Index Flow (GPM)	Current Status (GPM)	Stream Gage (installed or planned)	Miscellaneous Flow Measurements (EGLE or USGS)	Reason WMA is in the Negative
21337	Warm stream	1825	-398		EGLE (planned)	Recalculated Depletions
10018	Cool stream	1930	-357	Planned	EGLE	Bedrock Auto Pass Corrections
11819	Cool stream	1121	-357	Planned	USGS/EGLE	Bedrock Auto Pass Corrections
9937	Cool stream	988	-141			Bedrock Auto Pass Corrections
12305	Cool stream	4443	-97		EGLE	Recalculated Depletions
15333	Warm stream	808	-76		EGLE (previously)	Low Index Flow
10445	Cool stream	1212	-66		EGLE (planned)	Bedrock Auto Pass Corrections
21716	Warm stream	356	-56		EGLE (planned)	Low Index Flow
995206	Warm stream	404	-54		EGLE (planned)	Low Index Flow
11745	Cool stream	853	-51		EGLE (previously)	WMA split, reran depletions
13883	Cold transitional stream	6732	-42	Planned	EGLE	Oct-July Correction, Recalculated Depletions
3452	Cold transitional stream	898	-39	Installed		Bedrock Auto Pass Corrections
19606	Cold transitional stream	1571	-36	Installed		Recalculated Depletions
19923	Warm stream	8011	-17		EGLE (planned)	Oct-July Correction

Regulatory Impact of Zone D WMA

- No new WWAT registrations
- No new or increased SSR registrations that further deplete WMA
- Existing baseline &/or registered capacity can be given up to register new LQW capacity

Initial Response Actions

- Stream gages
- Miscellaneous stream flow measurements

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Possible Future Response Actions

- Groundwater data collection
 - Monitoring wells
 - Aquifer pumping tests
 - Slug tests
 - Streambed conductance
- Groundwater/surface water modeling
- Statistical analysis of stream flow
- Joint public/private/university funded projects?

Questions?

Jim Milne

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Michigan Department of
Environment, Great Lakes, and Energy

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8. Water Use Advisory 2022 Recommendation

Budget Update

9. Department Appointment

Update

10. Future

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3 Minute Limit

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