



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Use Advisory Council

April 11, 2023

WUAC Chair Order

April 11, 2023

- Laura Campbell, Senior Conservation & Regulatory Relations Specialist
Michigan Farm Bureau (Items 1-8)
- Brian Eggers, Principal
AKT Peerless Environmental (Items 9-11)

Water Use Advisory Council (WUAC) Meeting

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

Tuesday, April 11, 2023

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,,979460526#](#) United States, Pontiac

Phone Conference ID: 979 460 526#

AGENDA

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
 - a. Includes Prairie River data update.
 - B. Models Committee
 - C. New Topics Committee
 - D. Conservation and Efficiency Committee
 - E. Implementation Committee

7. Topic Presentation discussion

8. EGLE Update

9. Future

a. 2023 Meeting Dates (at Con Hall unless others offer to host)

- June 13
- August 8
- October 10
- December 12

10. Open Comments (3 Minute Limit)

11. 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

Council Membership

Reminder: Reappointment Process

6. Committee Chairs Reports

- A. Data Collection Committee
 - Prairie River Update
- B. Models Committee
- C. New Topics Committee
- D. Conservation and Efficiency Committee
- E. Implementation Committee

Implementation Committee

- WUAC 2022 Report Recommendations
 - a. The 2022 WUAC Council report was distributed to legislators at the end of 2022. However, due to the large turn over as a result of the 2022 election the full 2022 WUAC report will be redistributed.
- Gov 2024 Budget Recommendations re: WUAC recommendations
 - a. The FY 24 Governor's recommended budget recommendation includes a line item for Groundwater Resources totaling \$23.5 million. This proposed item has a completion date of Sept 30, 2028.
 - b. EGLE will investigate the details for this proposed funding recommendation.

Implementation Committee

- Update on 2020 Recommendations
 - a. The status of various 2020 WUAC recommendations were reviewed and discussed.
 - b. Updates to the various recommendations will be summarized on a spreadsheet that lists the 2020 recommendations and will be distributed with the meeting minutes.

7. Topic Presentation Discussion

Potential New Topics

8. EGLE Update

- FY 2024 Budget
- AquaBounty Monitoring Plan
- National Ground Water Monitoring Network
- Michigan Hydrologic Framework
- Depleted Water Management Areas
- Program Metrics
- Outreach Activities
- EGLE Groundwater Data Warehouse

FY 2024 Budget

- Budget subcommittee hearings 4/11 & 13
- EGLE Groundwater Data Management System
- Groundwater Proposal for Change (PFC)

EGLE Groundwater Data Management System

Current Groundwater Data Issues

- What data are we talking about?
 - PFAS and other analyte data
 - Groundwater monitoring
 - Well depth
 - Well geology
 - Data collected at brownfield or other contaminated sites (sampling and well data)
- No central repository to store data – so Access / Excel / Legacy Systems / Paper
- Data comes in via PDF or paper
- It's difficult to analyze, relate, store, access or maintain over time

Groundwater Data Management System

What is it?

A new system that provides for the common storage, analysis, and sharing of groundwater data across EGLE and the State.

What's in scope?

- Electronic Data Deliverables (EDD)
- Location standards (facility, data point)
- Data Entry Standards
- Standardized Data Entry Templates and Reports

Where will the data come from?

- EGLE Staff
- Regulated Parties
- Consultants
- Other Government Agencies
- Researchers

Examples of data:

- Geology, glacial and bedrock
- Groundwater sampling data
- Stream and water flows
- Well data

Groundwater Data Management System

What is in it for me?

- Provide access to analytical data sets for all EGLE divisions
- Public portal for external user access
- Dashboards and reporting to monitor data over time
- Improved data for decision-making
- Improved data quality
- Direct integration with GIS
- Improved transparency and confidence in the State's groundwater data

AquaBounty Monitoring Plan

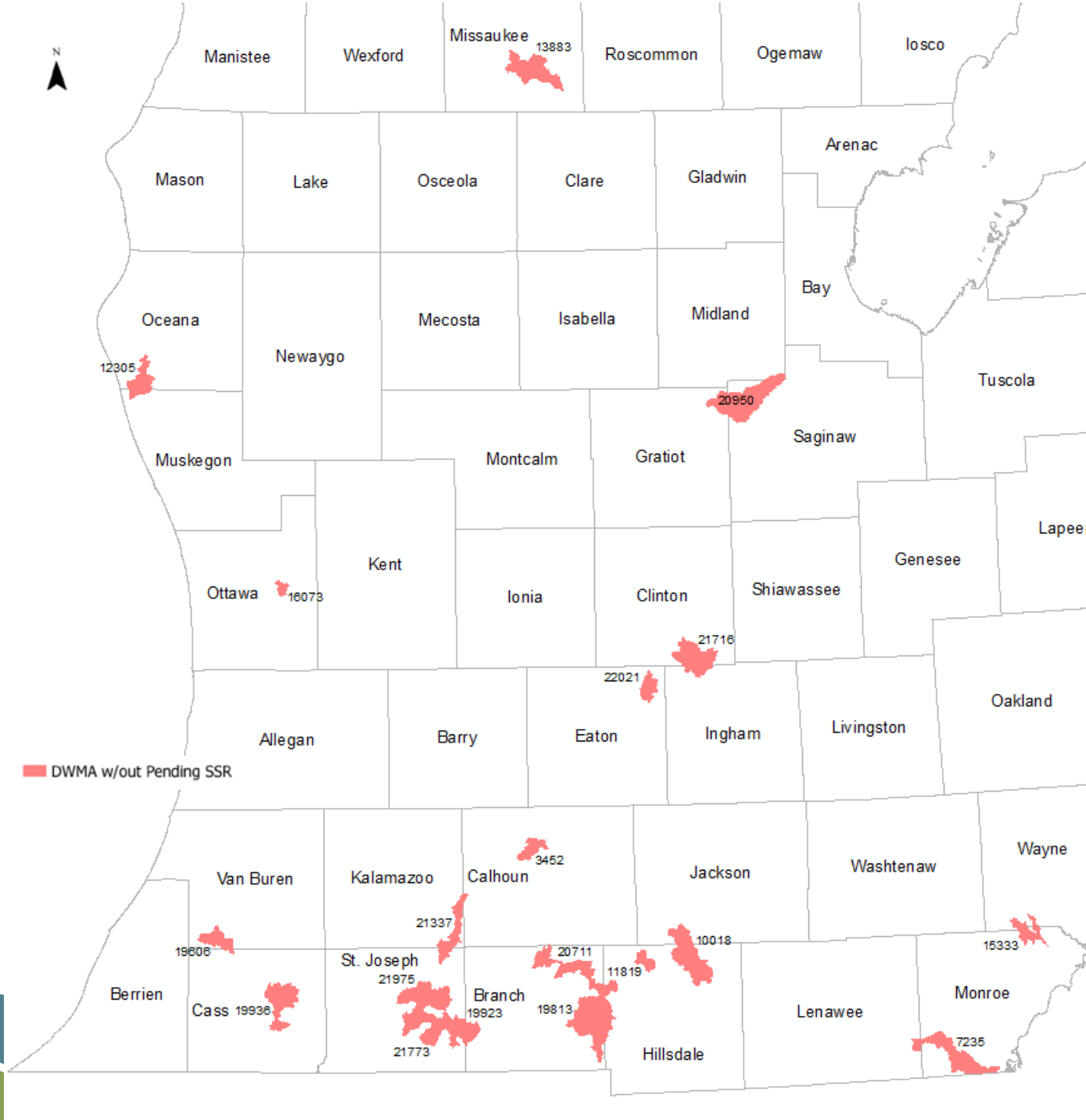
- EGLE received from ODNR on 3/31/2023
- Under review by EGLE WUAU staff
- Internal discussions in EGLE
- Provide EGLE's comments to ODNR

National Ground Water Monitoring Network (NGWMN)

- Grant application submitted
- Waiting for decision on grant application
- Link EGLE's database to USGS NGWMN
- Groundwater elevation data

Depleted Watersheds as of 4/6/2023

Name	Number	Type	Index Flow	Allowable Depletions	Current Status	Name	Number	Type	Index Flow	Allowable Depletions	Current Status
Conger Drain	11819	Cool Stream	1,121	337	-358		12305	Cool Stream	4,443	1,111	-51
South Branch Kalamazoo River	10018	Cool Stream	1,930	482	-357	Christiana Creek	19936	Cool Stream	8,752	2,188	-42
Bear Creek	21337	Warm stream	1,825	442	-221	Carrier Creek	22021	Warm stream	90	22	-41
Halfway Creek	7235	Warm Stream	583	140	-101	Osborn Drain	19606	Cold Transitional Stream	1,571	63	-36
Swan Creek	19923	Warm stream	8,011	1,939	-93	Greggs Brook	20950	Warm Stream	135	32	-33
Swan Creek	15333	Warm Stream	808	194	-76	Spring Creek	21975	Warm Stream	4,111	1,185	-33
Dickinson Creek	3452	Cold Transitional Stream	898	39	-65	Butterfield Creek	13883	Cold Transitional Stream	6,732	269	-26
Prairie River	21773	Cool small river	24,035	6,059	-57	Hog Creek	20711	Warm small river	6,727	1,373	-11
	21716	Warm stream	356	86	-56	Ottawa Creek	16073	Cold transitional stream	374	18	-10
Greggs Brook	11745	Cool stream	853	213	-51		19813	Warm Stream	2,154	517	-4



Triage Project - Digital Input (2023 - Q1)



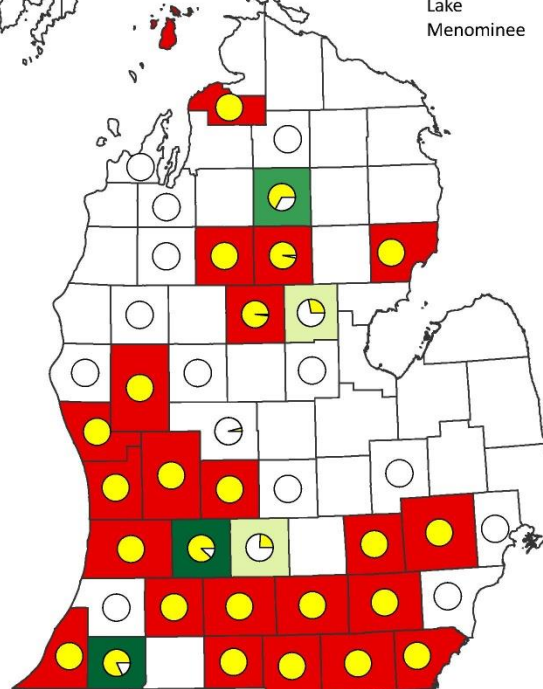
County Name	% Completed	County Name	% Completed	County Name	% Completed
Kalamazoo	100%	Missaukee	100%	Roscommon	97%
Allegan	100%	Livingston	100%	Barry	88%
Ottawa	100%	Washtenaw	100%	Cass	82%
Muskegon	100%	Monroe	100%	Crawford	67%
Kent	100%	Hillsdale	100%	Gladwin	28%
		Branch	100%	Eaton	24%
		Ionia	100%	Montcalm	04%
		Lenawee	100%	Clinton	0%
		Charlevoix	100%	Marquette	0%
		Newaygo	100%	Midland	0%
		Calhoun	100%	Grand Traverse	0%
		Jackson	100%	Van Buren	0%
		Berrien	100%	Oceana	0%
		Oakland	100%	Genesee	0%
		Iosco	100%	Macomb	0%
		Clare	98%	Wexford	0%
				Mecosta	0%
				Delta	0%
				Otsego	0%
				Leelanau	0%
				Wayne	0%
				Houghton	0%
				Lake	0%
				Menominee	0%

Legend

- 90% Completed to Finished
- 80% Completed to 90% Completed
- 70% Completed to 80% Completed
- 60% Completed to 70% Completed
- 50% Completed to 60% Completed
- 40% Completed to 50% Completed
- 30% Completed to 40% Completed
- 20% Completed to 30% Completed
- 10% Completed to 20% Completed
- Not Started to 10% Completed



- Completed
- Incompleted



0 25 50 100 150 200 Miles

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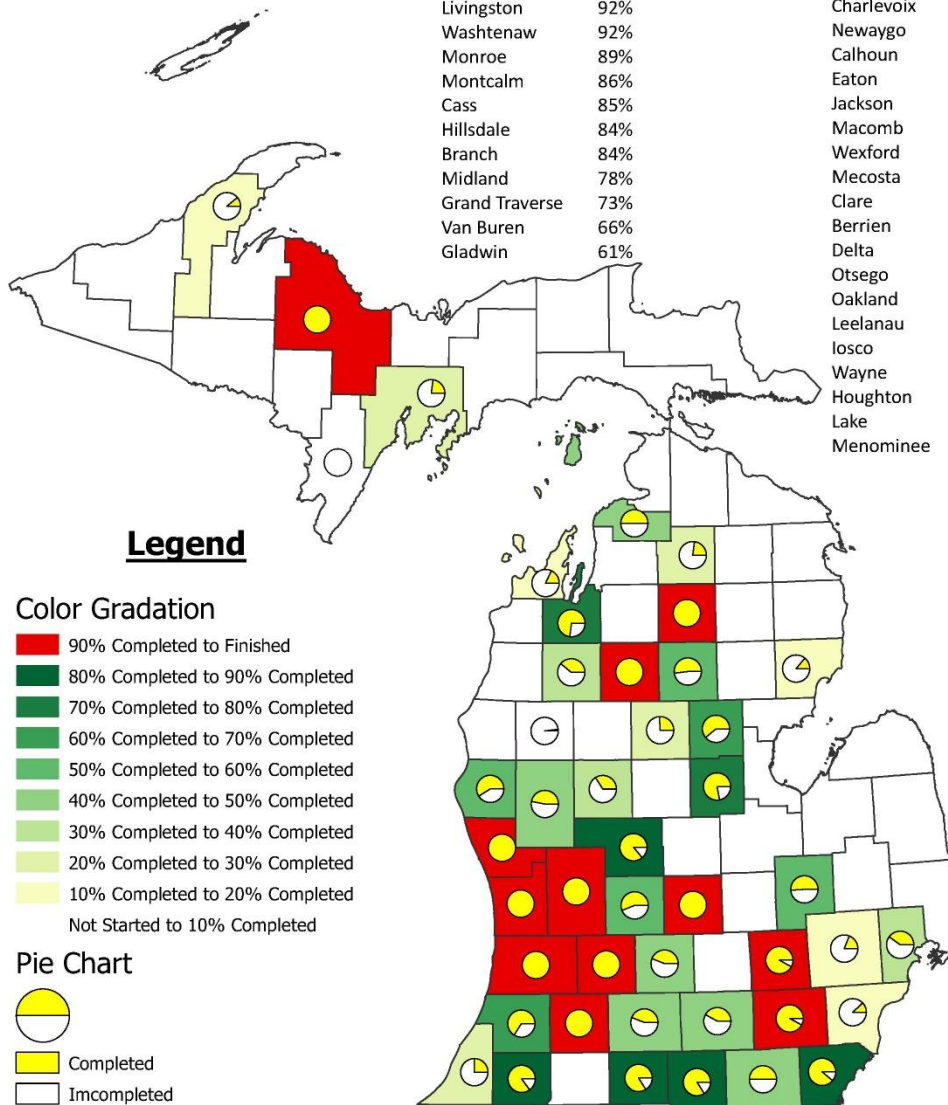
Triage Project - Location Validation (2023 - Q1)



County Name	% Completed
Kalamazoo	100%
Allegan	100%
Ottawa	100%
Muskegon	100%
Kent	100%

County Name	% Completed
Missaukee	100%
Barry	100%
Crawford	100%
Clinton	100%
Marquette	100%
Livingston	92%
Washtenaw	92%
Monroe	89%
Montcalm	86%
Cass	85%
Hillsdale	84%
Branch	84%
Midland	78%
Grand Traverse	73%
Van Buren	66%
Gladwin	61%

County Name	% Completed
Oceana	59%
Ionia	56%
Roscommon	52%
Genesee	51%
Lenawee	50%
Charlevoix	50%
Newaygo	47%
Calhoun	44%
Eaton	44%
Jackson	42%
Macomb	40%
Wexford	39%
Mecosta	34%
Clare	26%
Berrien	25%
Delta	23%
Otsego	23%
Oakland	19%
Leelanau	18%
Iosco	14%
Wayne	12%
Houghton	11%
Lake	2%
Menominee	0%



0 25 50 100 150 200 Miles

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9. Future

a. 2023 Meeting Dates (at Con Hall unless others offer to host)

- June 13, 2023
- August 8, 2023
- October 10, 2023
- December 12, 2023

b. Formats

c. Quorum

10. Open Comments

3 Minute Limit

11. Motion to Adjourn