



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Use Advisory Council

August 12, 2025

WUAC Chair Order

August, 2025

- Laura Campbell, Michigan Farm Bureau (1-5)
- Bryan Burroughs, Michigan Trout Unlimited (6)
- Pat Staskiewicz, Michigan American Water Works Association (7-11)

Agenda

Water Use Advisory Council (WUAC) Meeting

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

Tuesday, August 12, 2025

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

**Gun Lake Casino Resort, Conference Room
1123 129th Ave, Wayland, MI 49348**

Remote Option Available Via Teams

[Click here to join the meeting](#)

Or call in (audio only)

+1 248-509-0316,,175376049# United States, Troy

Phone Conference ID: 175 376 049#

Agenda (cont.)

Schedule

Must send RSVP to Melissa Grasman (mgrasman@jetcosolutions.com) by August 8th, 2025.

9:30 – 9:45 am: Arrive at the main entrance of the Gun Lake Casino Resort


10 am: Shuttle bus departs from Gun Lake Casino Resort Main Entrance (please plan to arrive by 9:45 at the latest to prevent delays in departure)

10 am – 11:15 am: Tour with James Lombard, Utilities Director: water treatment plant, water tower, government campus

11:30 am: Lunch for attendees (don't forget to RSVP if you are attending in person so we can get a count for lunches to provide. Frank Ettawageshik has kindly arranged for boxed lunches to be provided for \$25 each, so please plan to bring money for the lunch, or arrange with Frank if you want to pay another way).

1 pm – 4 pm: WUAC meeting in the Gun Lake Casino Resort conference room

Agenda (cont.)

- 
- 1. Welcome**
 - 2. Roll Call**
 - 3. Approval of Minutes-Roll Call Vote Discussion**
 - 4. Approval of Agenda-Roll Call Vote Discussion**
 - 5. Public Comment (Three Minute Limit)**
 - 6. Alliance for Water Efficiency**

Agenda (cont.)

7. **Committee Chairs Report**
 - a. **Conservation and Efficiency Committee**
 - b. **Data Collection Committee**
 - c. **Models Committee**
 - d. **Implementation Committee**
8. **Legislative Report Shared Updates**
9. **EGLE Update**
 - a. **WWAT Update**
10. **Future**
 - a. **2025 Meeting Dates (at Stabenow Hall, formerly known as Constitution Hall, unless others offer to host) (*Quorum critical meetings)**
 - **October 14**
 - **December 9**
 - b. **Formats**
 - c. **Quorum**
11. **Open Comments (Three Minute Limit)**
12. **Motion to Adjourn**

1. Welcome



2. Roll Call



3. Approval of Minutes –Roll Call Vote



4. Approval of Agenda—Roll Call Vote

5. Public Comment

3 Minute Limit

6. Alliance for Water Efficiency

7. Committee Chairs Report

Conservation and Efficiency Committee

Update

Water Conservation and Efficiency Committee

- Committee met on August 7
- Presentation from Dr. Jeff Andresen, State Climatologist
 - Trends show warmer and wetter over the last 40 years
 - Most impacts seen in cold season, at night
 - More annual precipitation, but in fewer days = more intense rain, more risk of drought
 - Agricultural irrigation is an adaptation measure for growers
 - Soil health is a key to water retention
 - Forecast remains warmer and wetter, with mix of beneficial and adverse impacts for Michigan
- Committee reviewing Alliance for Water Efficiency final report

Water Conservation and Efficiency Committee

- Ag Irrigation Water & Energy Efficiency Pilot Program (2022)
 - Grant in administrative review
- Water Conservation & Efficiency Practices in Ag (2020)
 - Dr. Jeannine Schweihofer, MSU-Extension
- Extension educators hired as part of the Water Conservation & Efficiency Practices in Ag will present at the October 2 meeting of the WCEC

Data Collection Committee

Update

WUAC Data Committee Current Issues

- Need to resolve overlapping efforts overseen by other WUAC committees.
- Issues under the auspices of the Data Committee:
 - Gap analysis and long-term data planning (with MGS)
 - Inland lakes ARI project
 - Data-collection and -use standards and protocols
 - Data-collection efforts between EGLE and USGS under the “HEMI” project, including stream gages, groundwater monitoring wells, and AEM work
 - MGS surficial geology mapping
 - Prairie River reclassification (with DNR)

Next steps....

- Work with other committees to minimize overlap
- Prioritize Data Committee focus on the first two items listed in the previous slide
 - Gap analysis and long-term data planning (with MGS)
 - Inland lakes ARI project
- To establish some momentum, set a standing meeting time for the Data Committee

Models Committee

Update

Implementation Committee

Update

8. Legislative Report Shared Updates



MICHIGAN DEPARTMENT OF
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9. Program Update

Water Use Advisory Council

August 12, 2025

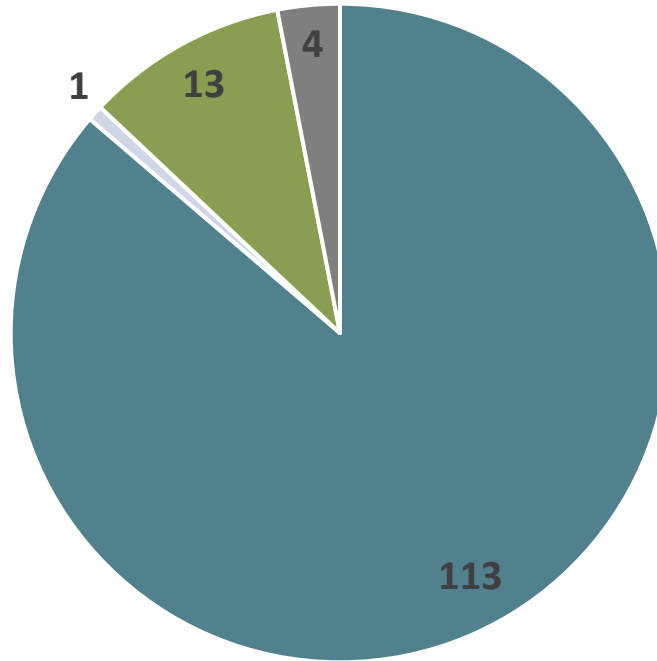
Outline

- Part 327 Annual Metrics
 - WWAT & SSR Registrations
 - SSR Timeliness
 - Permits
 - Pre-screening Reviews
- New Groundwater Projects
- Aquifer Pump Test Guidance Document
- WWAT/Streamflow Depletion Tool Updates
- GRMD Personnel Notes

Part 327 Annual Metrics

- **July 9, 2024-July 8, 2025 (Program Year 16)**
 - 214 WWAT registrations
 - 131 SSR registrations
 - 37 late SSR determinations
 - 0 voluntary SSR requests—0 late

SSR Status for Program Year 16



■ SSRs Authorized ■ Denied ■ Retracted ■ Still Pending

July 9, 2024 – July 8, 2025

Program Year 16 Timeliness

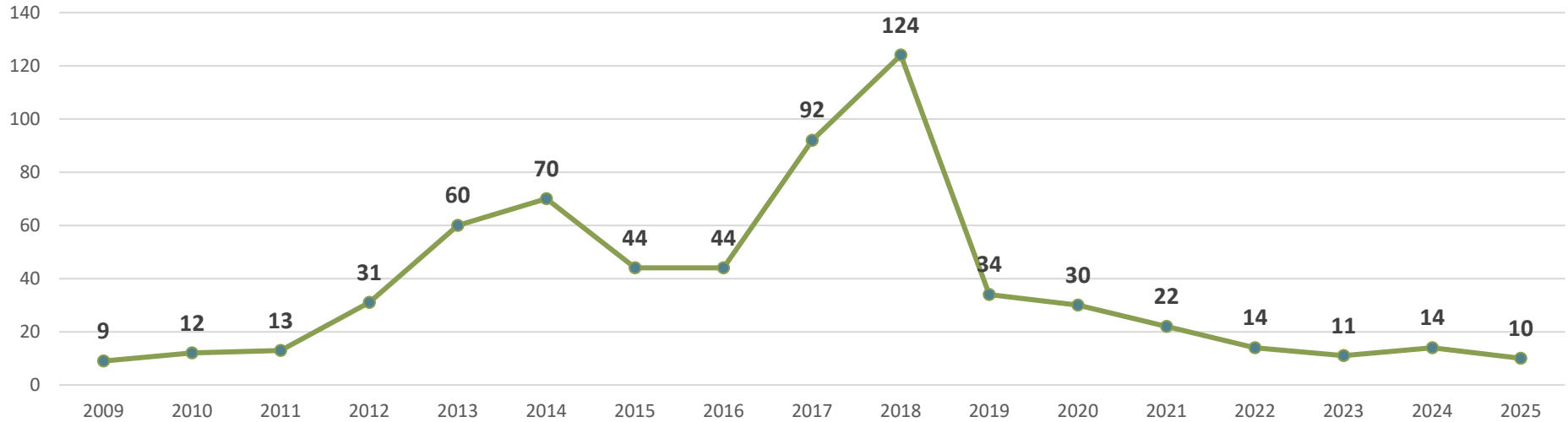
Average Number of Business Days
from Receipt of SSR Request: **11 Days**

Percentage of SSRs completed
within 10 Business Days: **63 %**

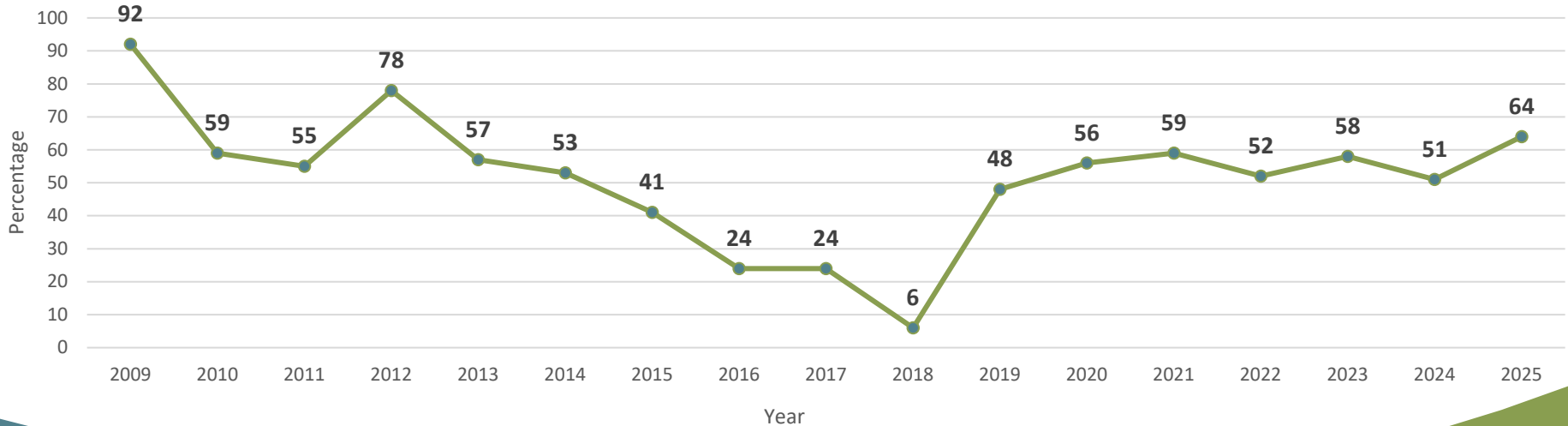
Statutory Deadline: 10 Business Days

July 9, 2024 – July 8, 2025

Average Number of Business Days from Receipt of SSR Request for 2025



Percentage of SSRs Completed within 10 Business Days for 2025



Statutory Deadline: 10 Business Days

327 Metrics

7/9/2024-7/8/2025

- **327 Permits:**

- 9 Requests

- 8 issued
- 1 under review

- **Compliance:**

- 64 Communications

- 43 Revised Registrations
- 2 After the Fact Registrations
- 19 Installation Verifications

- **Pre-screening:**

- 22 total

- 10 Zone A
- 5 Zone B
- 2 Zone C
- 2 Zone D
- 2 Geology Pass
- 1 Baseline Replacement

New Groundwater Projects

- **Western Michigan Water Resource Study (MGS)**
 - Long-term projections of water availability using current and historical use, surface and groundwater availability, and population statistics and projections.
- **H₂S in Monroe County (WMU)**
 - Characterize bedrock conditions and associated H₂S contamination present in Monroe County
- **Automated Extraction of Environmental Data from Text (CLEAR WSU)**
 - Use NLP program to pull chemical and geologic data
 - Develop NLP program to extract physical sample locations

Aquifer Pump Test Guidance Document

- Revisions completed on the APT guidance document, comments have been incorporated into the new draft.
- Draft currently under review by Drinking Water.

Water Withdrawal Assessment Tool Modernization Update

Hannah Arnett

ArnettH2@Michigan.gov

517-599-9767


Megan Cameron

CameronM6@Michigan.gov

517-285-0126

Home Screen

EGLE Water Withdrawal Assessment Tool
Department of Environment, Great Lakes, and Energy

Contact Us 

Welcome to EGLE's Water Withdrawal Assessment Tool (WWAT), part of Michigan's fulfillment of the Great Lakes Compact obligations to conserve and manage our water resources.

- Michigan law prohibits water withdrawals from causing excessive depletion of stream and river flows, called an Adverse Resource Impact (ARI).
- The WWAT estimates the potential impact a water withdrawal may have on nearby streams and rivers relative to the ARI limit.
- Landowners planning a new or increased withdrawal using one or more pumps capable of at least 70 gallons per minute must obtain approval from EGLE prior to operation.
- Use of the WWAT is required for approval of wells or intakes directly from a stream, river, or pond less than 5 acres.
- Withdrawal approval is attained by a determination of no ARI.
- Approved withdrawals receive an EGLE Water Withdrawal Registration.
- Withdrawals must be operational within 18 months after approval or the Registration becomes void.

Important Links

[Additional information about the WWAT](#)

[Additional information about the EGLE Water Use Program and the Great Lakes Compact](#)


[EGLE Maps and Data](#)

MiLogin

Registration Management

If you are assessing a new withdrawal or proposing to register a new withdrawal for the first time, choose "New Withdrawal" below. If you are modifying a registration you have made through the water withdrawal assessment tool, choose "Modify A Registration" below. If you no longer require a water withdrawal assessment tool registration for a previously registered withdrawal, select "Cancel A Registration."


✔ **Note:**
Modifying an existing registration is required when the actual withdrawal construction or operation parameters deviate from what was authorized through the Water Withdrawal Assessment Tool. This may include, but not limited to, pump capacity, intake depth, pumping schedule and geological parameters.



NEW WITHDRAWAL



MODIFY A REGISTRATION



CANCEL A REGISTRATION

Map

Map Layer

WMA Registrations Streams County Township Section



Run the Tool

To evaluate a proposed withdrawal, begin by identifying its location on the map. Then, select the 'New Withdrawal' button below and click on the map at the intended location.

New Withdrawal

Find a Location

Data Exports

Input Parameters



Unconfined Aquifer

Withdrawal Source illustration

Well Pond Stream

Well Construction

* Latitude * Longitude * Capacity (gpm) * Intake Depth of Well (ft)

* Aquifer Type

Pumping Schedule

* Frequency * Months * Days per Week * Hours per Day

Hydrogeological Data

Any changes below will trigger a Site-Specific Review

* T (ft²/day) * S * Streambed Conductance (ft/day)
Auto-calculated

[+ Add Run](#) [View Table](#)

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Run Review Table



Unconfined Aquifer

Run Table: 2

Run #	Capacity	Intake Depth	Latitude	Longitude	Aquifer Type	Frequency	Months	Hours	Days	T	
Run 1	400	19	1234	1234	Glacial	3	3	14	23	23	
Run 2	400	19	1234	1234	Glacial	3	3	14	23	23	

Run Analysis

Run Review Screen



Water Withdrawal Screening Results

Run 1
Run 2
Run 3
Run 4
Run 5

[Download All](#)

Zone Graph



The proposed withdrawal has successfully passed the screening process. To proceed, you are required to complete the registration below prior to initiating use of this withdrawal.

Summary

Zone:	A
Home Water Management Area (WMA) ID:	21698
Debited WMA (Depletion in GPM):	21698 (5.2), 19736 (4.9)
Pumping Capacity (gpm):	500
Intake Depth (ft):	180
Pumping Frequency:	Intermittent
Pumping Months per year:	Jun, Jul, Aug

[Proceed with Selected](#)

Contact Information Input



Registration Form

You must submit this site-specific review request and receive written approval from EGLE in order to begin making this withdrawal.

Site Specific Review Request Certification

* Are you the owner or an authorized Representative of the property where this withdrawal will be located? Owner Representative

Receiving Agency

* Is the proposed withdrawal for an agricultural purpose? Yes No

Property Owner Contact Information

*First Name:
*Last Name:
*Facility Name:
*Address:
*City:
*State:
*Zip:
*Phone:
*E-mail:

Representative Contact Information

*First Name:
*Last Name:
*Facility Name:
*Address:
*City:
*State:
*Zip:
*Phone:
*E-mail:

Withdrawal Information

*Primary Purpose of Use:
Site Name:
Welogic ID:
*Location of Discharge:
Comments:

Continue

Registration

EGLE Water Withdrawal Assessment Tool
Department of Environment, Great Lakes, and Energy

Map Contact Us

Site-Specific Review Request

Site-Specific Review ID: 9899-77484-12
Date: 05/22/2025 [Print](#)

Important
Your Site-Specific Review (SSR) request has been received and EGLE has begun processing. Review periods vary depending on their complexity and the number of concurrent SSRs received. EGLE will contact you regarding the review; you must receive written approval from EGLE before beginning this withdrawal.

Property Owner Contact Information

Name	Hannah Amert
Facility Name	Hogely U20E Home
Address	7285 Parsons Dr., NE 48827
City	Lansing
State	MI
Zip	48821
Phone	377-899-9767
E-mail	ahminterlope@gmail.com

Proposed Withdrawal Parameters	Hydrogeological Parameters
Site Name	T
Zone	Upper 1
Home Water Management Area	Lower 1
Deeded Water Management Area (gpm)	S
Pumping Capacity (gpm)	Upper 5
Intake Depth (ft)	Lower 5
Pumping Frequency	Streambed Canal Distance
Pumping Months	Width
Pumping Days Per Week	B
Pumping Hours Per Day	B'
Withdrawal Source	K
Aquifer Type	K'
Latitude	K''
Longitude	Sigma
County	
Town Range Section	
Wellbore ID	
Description of Discharge	
Reporting Agency	
Purpose	
Comments	
Total Annual Withdrawal (Gallons)	
Total Annual Withdrawal (Acre - Inches)	

This registration expires 18 months after authorization.

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Please Reach Out

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GRMD Personnel Notes

- SSR Geologist 12 interviews completed
- GGSS Secretary interviews completed
- SSR Geologist 9-11 interviews being scheduled

Michigan Department of
Environment, Great Lakes, and Energy

800-662-9278

Michigan.gov/EGLE



Follow us at: Michigan.gov/EGLEConnect

10. Future

- a. **2025 Meeting Dates** (at Con Hall unless others offer to host)
(*Quorum critical meetings) (Teams meetings to be scheduled)
 - October 14, 2025
 - December 9, 2025
- b. **Formats**
- c. **Quorum**

11. Open Comments

3 Minute Limit

12. Motion to Adjourn