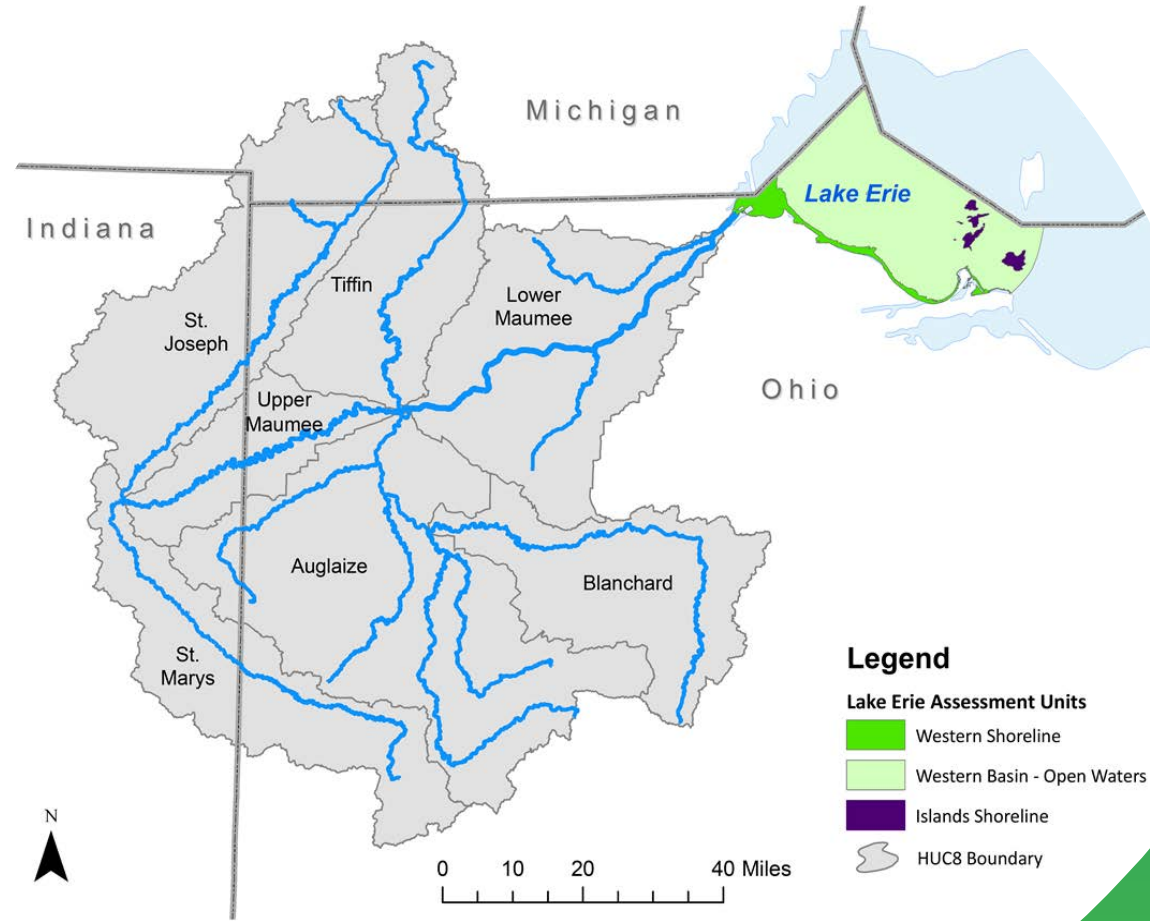


# Addressing Lake Erie Impairments

Webinar

June 29, 2022



# Project Team

- Tiffani Kavalec, Ohio EPA
- Melinda Harris, Ohio EPA
- Josh Griffin, Ohio EPA
- Paul Gledhill, Ohio EPA
- Heidi Griesmer, Ohio EPA
- Kirk Hines, Ohio Department of Agriculture
- Matt Lane, Ohio Department of Agriculture
- Eric Saas, Ohio Department of Natural Resources
- Ohio Lake Erie Commission
- Tetra Tech Support

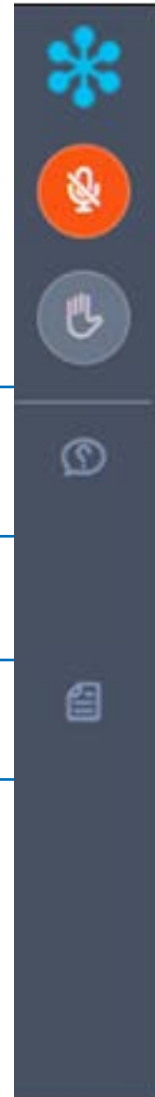
# How Today's Webinar Questions Will Work

**Note:** Audience members' microphones are muted. The "raise hand" function is also disabled. Please use the Submit Questions function to receive technical assistance, ask questions, or submit comments.

Submit Questions



View Handouts



# How Today's Webinar Questions Will Work

- Staff will answer questions after the presentation
  - Some questions may be incorporated into the Maumee Watershed Nutrient TMDL Frequently Asked Questions (FAQ) document
  - Some questions may address management decisions that have not been made; those questions will not be addressed today

# Outline

- Overview of requirements for PMR
- PMR report organization
- Next Steps

# Requirements for PMR

- ORC 6111.562(d)
  - *(d) The preliminary modeling results including any management choices, load allocations, wasteload allocations, allowances for margin of safety and future growth, and permit limits necessary to achieve a water quality target, goal, or criterion and the preliminary TMDL implementation plan establishing specific actions, schedules, and monitoring proposed to effectuate a TMDL.*

# Requirements for PMR

- OAC 3745-2-12(A)(2)(a):
  - *(iv) The preliminary modeling results including the following:*
    - *(a) Any management choices.*
    - *(b) Load allocations (LAs) for nonpoint sources of pollutants.*
    - *(c) Wasteload allocations (WLAs) for point sources of pollutants.*
    - *(d) Allowances for margin of safety and future growth.*
    - *(e) Permit limits necessary to achieve the WLAs.*
    - *(f) Preliminary TMDL implementation plan establishing specific actions, schedules and monitoring proposed to effectuate a TMDL.*

# Requirements for PMR

- OAC 3745-2-12(A)(2):
  - *(b) Provide notice as required in paragraph (A)(2)(a) of this rule to the following stakeholders:*
    - *(i) Potentially affected dischargers.*
    - *(ii) County soil and water conservation districts.*
    - *(iii) Other interested stakeholders. This may include a watershed specific stakeholder distribution list or listserv.*
  - *(c) Allow not less than thirty days for input at each stage required in paragraph (A)(2)(a) of this rule.*



# PMR Report

1. Background
2. Phosphorus in the Maumee Watershed
3. Analysis Methods
4. Results
5. Preliminary Implementation Plan
6. Reasonable Assurances

# PMR Report

## 1. Background

- Summary of impairments
- Summary of watershed area
- References for additional information

# PMR Report

## 2. Phosphorus in the Maumee Watershed

- “Linkage Analysis”
- Source assessment
  - This includes the information from the March 1 webinar, as well as additional information from references shared by stakeholders
- Critical source areas and overall heterogeneity of sources in the Maumee watershed
  - Review of published critical source area assessments
  - Ohio EPA analysis of load monitoring data in the watershed

# PMR Report

## 3. Analysis Methods

- Review of targets
- Sources of data
- Methods to assess existing loads
- Modeling the target condition
- Model verification methods
- Margin of safety
- Allowance for future growth
- Critical conditions and seasonality

# PMR Report

## 4. Results

- Overall TMDL Allocations
- Evaluation of allocations at Waterville monitoring point
- Model verification

# PMR Report

## 5. Preliminary Implementation Plan

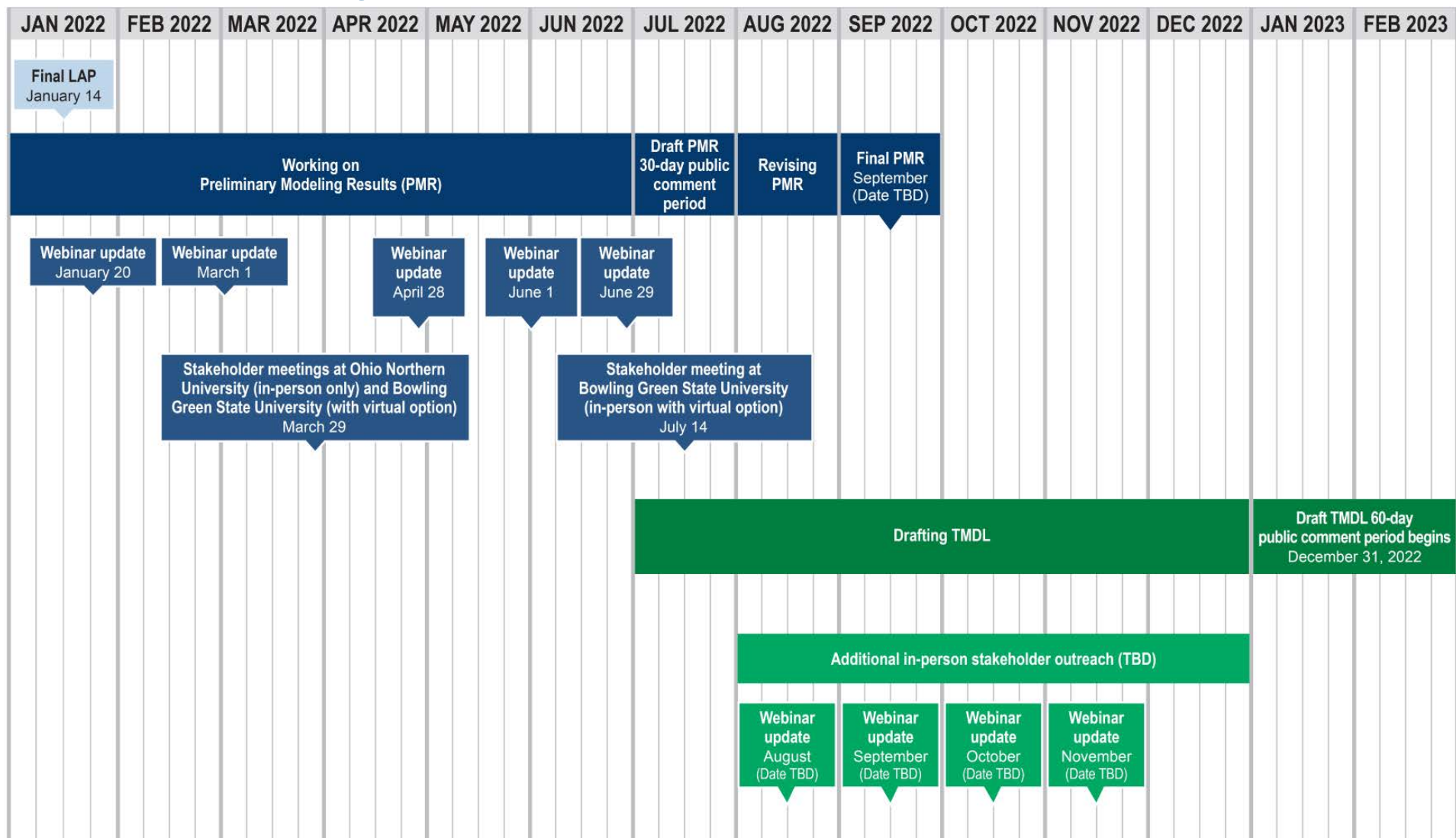
- Develop the strategy
- Establish milestones
- Implement the strategy
- Monitor environmental outcomes
- Evaluate progress
- Adjust the strategy

# PMR Report

## 6. Reasonable Assurance

- To start the conversation on reasonable assurances the PMR includes:
  - A definition of what they are
  - The framework being considered for demonstrating reasonable assurances in this TMDL

# Current Project Schedule





# Next Steps

- PMR coming soon!
  - Should be published on webpage tomorrow
  - Notice will be sent via listserv if you aren't signed up the link is: [ohioepa.custhelp.com/ci/documents/detail/2/subscriptionpage](https://ohioepa.custhelp.com/ci/documents/detail/2/subscriptionpage)
- 30-day comment period
  - Submit comments to [epatmdl@epa.ohio.gov](mailto:epatmdl@epa.ohio.gov)
  - Additional details will be in the public notice
- July 14<sup>th</sup> in-person meeting
  - Registration link will be sent with draft PMR link with reminder email to follow
  - Details from each section of the report
  - Q/A after having had time for initial review



# Maumee Watershed Nutrient TMDL Project

## Questions?

Maumee TMDL information, updates, FAQs, and webinar recordings, and presentation slides are available on the Ohio EPA Maumee Watershed Nutrient TMDL webpage here:

<https://epa.ohio.gov/divisions-and-offices/surface-water/reports-data/maumee-river-watershed>

Please submit questions, comments, or feedback concerning the TMDL process to: [epatmdl@epa.ohio.gov](mailto:epatmdl@epa.ohio.gov)

