

Maumee Area of Concern

2023 End of Year Update

Presented by
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December 14, 2023

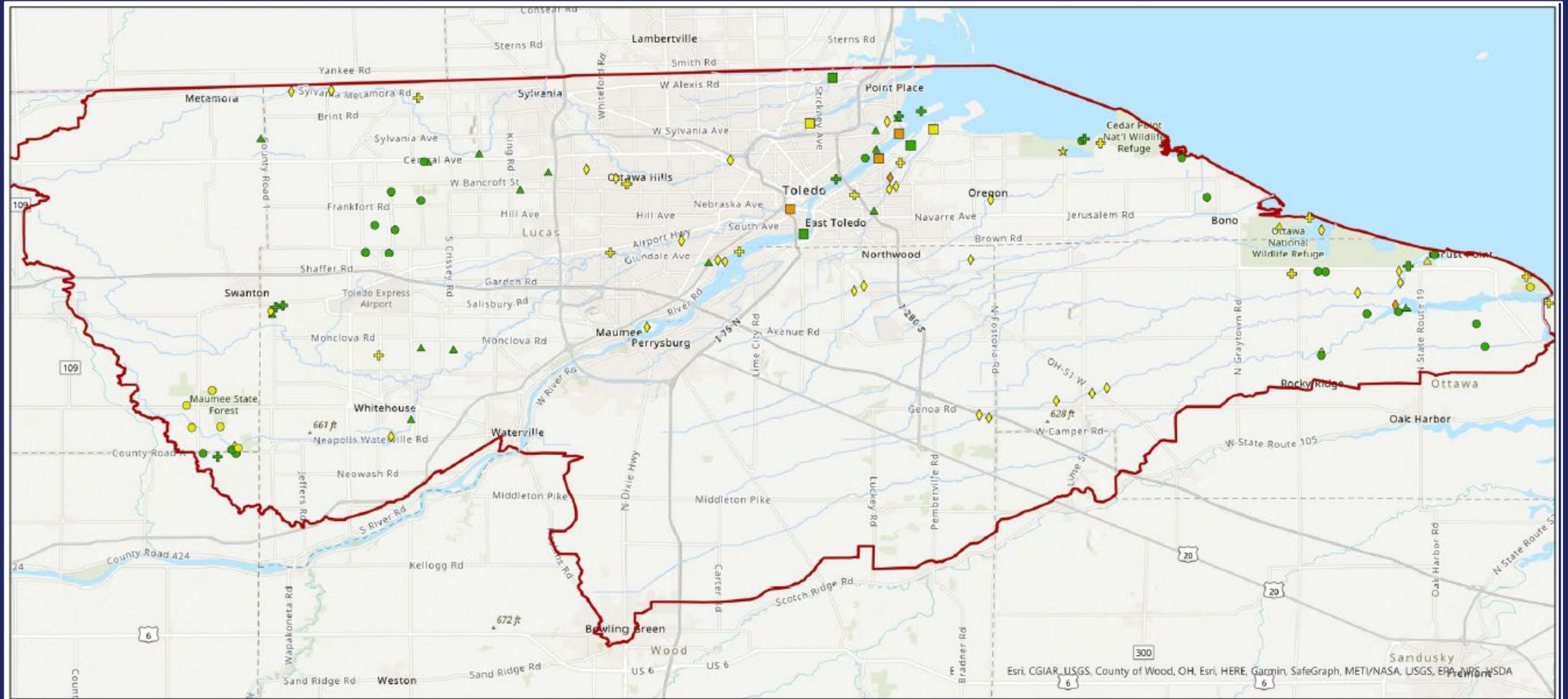
Maumee AOC - BUI Status

BUI #	BUI Name	Target Achieved	Current Status	MA Completed	Projected BUI Removal
1a	Restrictions on Fish &	✓	Reduced Ottawa River “Do Not Eat” advisory (2017) & Maumee R. Channel Catfish (2018); target is met	Complete	2022 REMOVED 8/22
1b	Wildlife Consumption	✓	Snapping Turtles in Ottawa R do not meet target; sampled in Aug. 2017 & June 2018; target is met	Complete	
3a	Degradation of Fish &		Management Action Project list approved; projects are being funded and implemented	2026	2027
3b	Wildlife Populations	✓	Sentinel species target is met (2017)	Complete	
4	Fish Tumors & Other Deformities		<p>Bullhead tumors are impaired in 2 assessment units:</p> <ul style="list-style-type: none"> - Toussaint/Packer (2021-5.9%) and Otter (2013-17.1%) HUCs → Toussaint/Packer re-sampled by FWS in May 2023 → Otter not sampled due to FWS boat issues, to be sampled May 2024 <p>DELTs are impaired in 2 of 31 assessment units:</p> <ul style="list-style-type: none"> - Sibley (lower Ottawa R) and Turtle HUCs → FWS sampled both HUCs in September 2023 	Complete	2025
6	Degradation of Benthos		Management Action Project list approved; projects are being funded and implemented	2026	2027
7	Restrictions on Dredging Activities		US ACE collected sediment in navigation channel during summer 2021; Ohio EPA reviewed data and found the BUI to no longer be impaired. A removal document is in development for submission in FFY24.	Complete	2024

Maumee AOC - BUI Status

BUI #	BUI Name	Target Achieved	Current Status	MA Completed	Projected BUI Removal
8a	Eutrophication or Undesirable Algae	✓	D.O condition of target is met (2014)	Complete	2025
8b			Watersheds sampled summer 2020; Persistent growth condition could be considered Not Impaired; Ohio EPA collected water chemistry data in Maumee R./Bay in summer 2021	Complete	
10a	Beach Closings (Recreational Use)		Management Action Project list approved; project funded (2021) and being implemented	2024	2024-25
10b		✓	Paddling Stream (Maumee R. in AOC) not on 303(d) list, target is met (2014)	Complete	
10c		✓	Ottawa River “No Contact Advisory” for PCBs was rescinded (2018); Hecklinger Pond (Duck Crk.) sign removed (2019)	Complete	
11	Degradation of Aesthetics	✓	Otter Creek GLLA project completed in Sept. 2021	2021	REMOVED 2023 7/23
14a	Loss of Fish &		Management Action Project list approved; project are being funded and implemented	2026	2027
14b	Wildlife Habitat		Local target of 3427 acres set in late 2016; Management Action Project list approved; projects are fully funded (2020) and being implemented	2025	

Maumee AOC - MAP Distribution



- Over 80 MAPs plus 20 GLLA cost-share projects
- >\$89.3M in projects funded since 2018
- \$45M in MAPs are currently in progress

All Management Action Projects

WildMAP

- Project Completed - AOC GLRI Funding
- Project Funded - AOC GLRI Funding
- Funding Needed - AOC GLRI Funding

AquaMAP

- ◆ Project Completed - AOC GLRI Funding
- ◆ Project Funded - AOC GLRI Funding
- ◆ Funding Needed - AOC GLRI Funding
- ▲ Project Completed - Other Funding
- ▲ Project Funded - Other Funding
- ▲ Funding Needed - Other Funding

SedMAP

- Project Completed - AOC GLRI Funding
- Project Funded - AOC GLRI Funding
- Funding Needed - AOC GLRI Funding
- ✚ Project Completed - Other Funding
- ✚ Project Funded - Other Funding
- ✚ Funding Needed - Other Funding

MiscMAP

- ★ Project Completed - AOC GLRI Funding
- ★ Project Funded - AOC GLRI Funding
- ★ Funding Needed - AOC GLRI Funding

Maumee AOC

Maumee AOC - 2023 MAP Update

Wildlife MAP Updates (BUI 14b) (*target = 3427 acres*)

- All 20 projects are funded
- 19 completed totaling ~3325 acres
- Only 1 projects left (152 acres) to be completed
 - WildMAP 28-17: Maumee State Forest Expansion (expected complete in 2025)



Howard Marsh Phase 2 (WildMAP 25-17)



Cedar Point NWR Pool 2 (Gradel Marsh) (WildMAP 14-16)



Maumee AOC - 2023 MAP Update

Aquatic MAP Updates (BUI 3a, 6, 14a)

- Funding allocated in FFY21 (12 full/2 partials) (\$11.8M)
 - Most are working on field data collection, design, construction RFPs
 - 7 of 9 GLNPO-funded projects have completed Tribal consultation
 - 3 projects under construction now
 - 1 partial (acquisition only) complete
 - 1 partial (FS only) expected complete soon
 - 2 full projects are completed

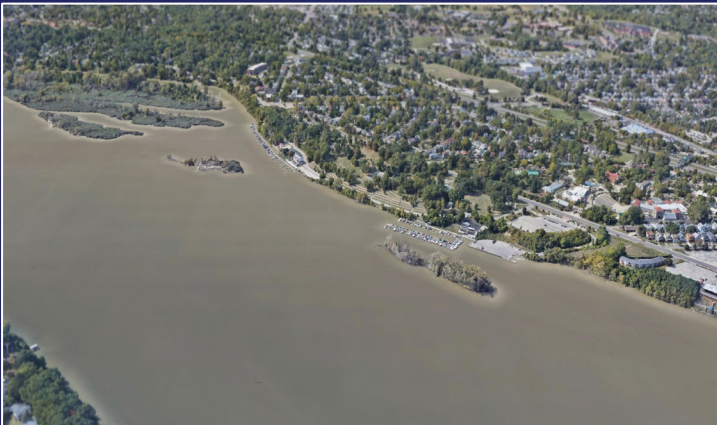


Collins Park Stream Restoration (AquaMAP OC-5.0)

Maumee AOC - 2023 MAP Update

Aquatic MAP Updates (BUI 3a, 6, 14a)

- Funding allocated in FFY22 (14 full/2 partial/3 with NOAA) (\$15.9M)
 - Most are working on RFPs, contracting, QAPPs, field data collection, design
 - 6 GLNPO-funded projects expected to go to Tribal consultation this winter
 - 1 partial (E&D only) was completed in June
- Funding allocation in FFY23 (1 partial/1 with NOAA) (\$6.7M)
 - Implementation funding for 1 project, E&D funding for 1 project
 - 1 GLNPO-funded project completed Tribal consultation



*Renderings of Delaware Islands
Complex Restoration
(AquaMAP MR-14.2)*

← Pre-project

Post-project →



Maumee AOC - 2023 MAP Update

Aquatic MAP Updates (BUI 3a, 6, 14a)

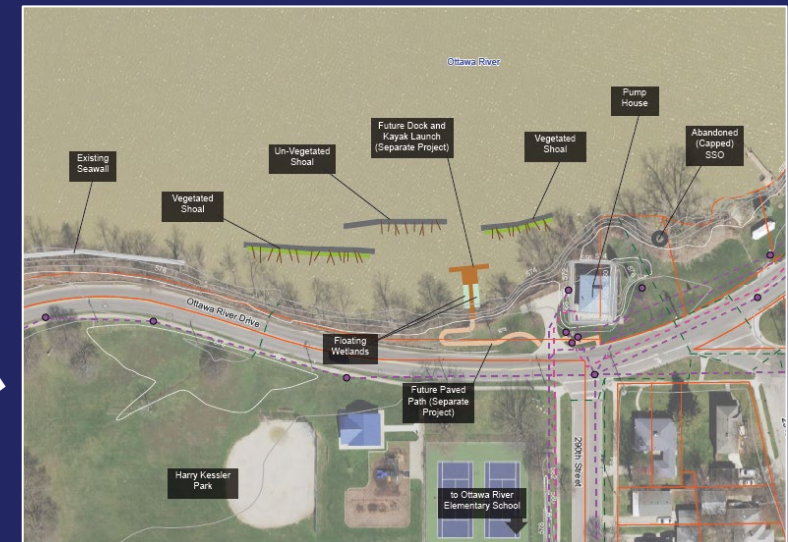
- Expect a funding request in **FFY24** (1-2 full/2 with NOAA) (\$4.5M)
 - Implementation funding for 2 projects (via NOAA)
 - Only 1 TBD remaining - lower Ottawa River projects (1-2)
 - MAAC recommendation to state after today's Dec. meeting
 - Expect to send to GLNPO this month
 - Funding for Eng/Design to be requested in early 2024



*Draft Concept Plans for
TBD Ottawa River project(s)*

← Hoffman Rd

Kessler Park →



Maumee AOC - 2023 MAP Update

Misc. MAP Updates

(BUI 1, 4, 7, 8, 10, 11)

- BUI 10: Beach Closings
 - Waterfowl Deterrent at Maumee Bay State Park
 - Began planting in May 2023
 - Treating invasives during establishment
 - Plan to plant 10-15 trees and reseed bare areas in Spring
 - Expected complete 2024
- No MAPs for other listed BUIs



Planting seed



Native and Pollinator plant establishment around inland lake

Maumee AOC - MAPs Timeline

Estimated Timeline for AquaMAP, WildMAP, MiscMAP

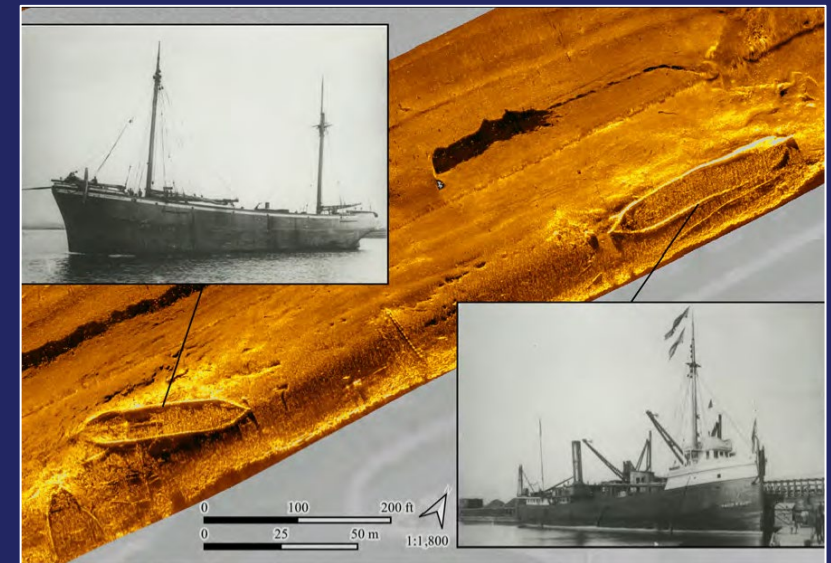
Phase of Project	FFY22	FFY23	FFY24*	FFY25*	FFY26*	FFY27*
Project Award	18	2	4	0	0	0
Feasibility Study/Planning	4	10	4	1	0	0
Engineering/Design	9	18	22	3	0	0
Construction	14	6	21	28	7	1
Substantially Complete	4	7	5	19	11	1

** Phases are estimated for projects that are not funded yet.*

Maumee AOC - 2023 MAP Update

SedMAP Technical Updates (BUI 1, 3, 4, 6, 7, 11, 14)

- Swan Creek
 - Feasibility Study expected complete in Spring 2024
 - Section 106 investigations
- Lower Maumee River (Sway Bridge, WWTP)
 - Feasibility Study public meeting in August, report completed in early October
 - Section 106 investigations
- Ottawa River
 - Additional hot spot delineation by Ohio EPA
 - Reaches 1-4 decision
- Otter Creek
 - Remedy Evaluation by ORD
 - Post-project mussel evaluation



Lower Maumee River Section 106 investigation

Maumee AOC – MAPs Timeline

Estimated Timeline for SedMAPs

	FFY24	FFY25	FFY26	FFY27
Swan Creek	Complete FS, Complete Pre-Design, Start RD	Complete RD	Start RA	Complete RA
Lwr. Maumee River (Sway/WWTP)	Complete FS, Complete Pre-Design, Start RD	Complete RD	Start RA	Complete RA
Ottawa River	Additional 4Y sampling, Determine next steps	TBD	TBD	TBD
Otter Creek	Habitat evaluation, Remedy Effectiveness	TBD	TBD	TBD

Maumee AOC - MAPs in Summary

	Total # Projects*	Estimated Total Cost*	Needs Funding	Funding Allocated	Completed as of Oct. 2023	Expected Complete Dec. 2023
WildMAPs	20	\$27,413,756	0	20	18	19
AquaMAPs						
- AOC Funded	33-35	\$40,661,190	Part of 2 All of 1-2	Part of 2 All of 31	3	4
- Non-AOC Funded	20	\$13,012,240	0	20	17	18
SedMAPs - GLLA	8		Parts of 5	Parts of 5 All of 3	3	3
- Federal Funded		\$59,692,323				
- Non-Fed Funded		\$30,455,000				
MiscMAPs	1	\$167,200	0	1	0	0
TOTALS =	83+	\$171,401,709	6+	78+	41	44

**Projects and cost estimates include all MAPs regardless of funding source*

2026

Management Actions Complete

2030

AOC Delisted

2023-24 MAAC Focus

- Support the many wildlife habitat and aquatic BUI MAP projects
- Work with Ohio EPA on BUI removals (BUI 7 in 2024)
- Work with Ohio EPA to determine future BUIs removals
- Continue to evaluate data & make BUI status determinations
- Continue to assist with Project Management Teams
- Showcase successes & momentum
 - Showcasing projects & momentum underway
 - Celebrating milestones & project completions
 - Organizing tours & public outreach (site visits, open houses, etc.)
 - Continuing to engage partners working on related AOC projects



DEI-EJ in Local AOC Advisory Committees

Baseline Assessment Status

TWO Phases ➡

Community Area mapping: *(led by Ohio as of now)*

- GLNPO has met with all States who requested assistance in developing a community area
- 4 States have submitted community areas for their AOCs to GLNPO and received data packages for their review
- 1 State has reviewed their data package and provided feedback/guidance for future analysis

DEI Engagement spreadsheet: *(joint input Ohio & locals)*

- Most States appear to be in the process of setting up meetings with their partners (PACs, other agencies, etc.) and developing a plan for collecting this information
- 1 AOC has submitted an Engagement Efforts spreadsheet
- GLNPO aiming to provide evidence of progress to management early 2024

DEI-EJ in Local AOC Advisory Committees

Baseline Assessment Status

DEI Engagement spreadsheet: *(joint input Ohio & locals)*

- AOC
- State
- DEI Goal Identified
- Engagement Strategy Type
 - Targeted Print Materials
 - PAC-run Programs
 - Networking at Non-PAC Events
 - Invited Representation
 - Other
- Years Done or Proposed (FY)
- Strategy Details

DEI-EJ in Local AOC Advisory Committees

Baseline Assessment Status

DEI Engagement spreadsheet: *(joint input Ohio & locals)*

- AOC
 - ➔ *Maumee*
- State
 - ➔ *Ohio*
- DEI Goal Identified
 - ➔ *Recruit more diverse representation to AOC Advisory Committee*
- Engagement Strategy Type
 - ➔ *Invited Representation*
- Years Done or Proposed (FY)
 - ➔ *2023*
- Strategy Details
 - ➔ *Professional relationships with individuals & organizations led to personal invitations for application. Target audiences = TBD*

EXAMPLE

DEI-EJ in Local AOC Advisory Committees

Baseline Assessment Status

- Ohio AOC Program wants local AOC Advisory Committee input on spreadsheet
- Planning a 2-hour meeting; week of January 1
- Any future activities will be separate from this exercise
- Need volunteers for this one-time activity
 - 5-year look back
 - AOC and non-AOC activities to engage, inform, involve, diversify, create access, etc.



- ★ Project Funded - AOC-GLRI Funding
- ★ Funding Needed - AOC GLRI Funding
- ★ Project Completed - AOC GLRI Funding