



## Maumee AOC Advisory Committee

August 11, 2022 9:30am – 11:30am

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### **AGENDA**

- **Welcome & Meeting** (Mike Pniewski, Chair) (5 mins)
- **Vote: Minutes** (Chair) (5 mins)
- **BUI 1 Removal Update and Next Steps** (Cherie Blair, Ohio EPA) (10 mins)
- **VOTE - BUI 1 Removal Letter Endorsement** (10 mins)
- **BUI 11 Removal Document & MAAC actions** (Cherie ) (15 min)
- **US EPA Task Force Leader Report** (Leah Medley, GLNPO) (5 mins)
  - Federal Budget Update
  - Infrastructure Investment & Jobs Act distribution plan by Focus Area
- **Ohio EPA AOC Coordinator Report** (Cherie) (10 mins)
  - MAP Updates
  - Funding Updates
- **Facilitating Organization's Report** (Kris Patterson, PCS) (10 mins)
  - Financial update
  - ERIE19 grant closed, funding remained. New grant started (ERIE22).
  - In December, plan 2023 summer activities & projects to highlight
- **MAP Spotlight** (20 mins)
  - MAP projects highlight, City of Toledo
- **Partner Updates** (10 mins)
- **Public Comments & Adjourn** (5 mins)
- **Next meetings for 2022**  
*December 8 at 930am Add in person option (at Ohio EPA-NWDO) for hybrid meeting?*



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### MINUTES

- **Welcome & Meeting** (Mike Pniewski, Chair)  
Attendance: Cherie Blair, Kris Patterson, Amanda Kovach, Jim Carter, Colin Kelly, Jenny Carter-Cornell, DJ Mears, Ryan Allison, Madeleine Dewey, Kris Barnswell, Archie Lunsey, Andrew Timmis, Vanessa Steigerwald Dick, Edith Kippenham, Marisa Stewart, LaShawna Weeks, Ashlee Decker, Sally Gladwell, Ashley Binion Zuccaro, Deanna Bobak, Tom Denbow, Lynn Ackerson, Beth Sparks-Jackson, Lynn Garrity, Leah Medley, Tim Schetter, Liv Simkin Bullock
- **Vote: Minutes** Jenny asked for a vote on the June minutes. Jim Carter motioned to approve the minutes and Ashlee Decker seconded. With 6 yes votes, the minutes were approved.
- **BUI 1 Removal Update and Next Steps** Cherie Blair, Ohio EPA gave a brief overview of the 30 day comment period (14 days public, and 14 days preview for the MAAC) on the proposed removal of BUI 1. Only a few clarifying questions were asked and the document was revised to expand the explanation and references, primarily for the turtles section, more. No comments from the general public were received. Ohio EPA and the Lake Erie Commission request an endorsement letter from the MAAC to include with the package to US EPA.
- **VOTE - BUI 1 Removal Letter Endorsement** Jenny asked for a motion to submit the proposed letter, circulated with the meeting materials, to Ohio EPA to support BUI 1 removal. Jim Carter made a motion, Ryan Allison seconded, and with 6 yes votes, the motion passed.
- **BUI 11 Removal Document & MAAC actions** Cherie updated the committee that the BUI 11 removal package was still being developed internally and then would then go through Ohio EPA and US EPA review before being shared with the MAAC. Cherie plans to distribute the package before the December meeting in anticipation of a brief public comment period, if necessary, and then action from the MAAC in December.
- **US EPA Task Force Leader Report** Leah Medley, GLNPO commented that the review of MAP funding requested from GLNPO went well and there are lots of projects going or getting funding soon in the Maumee AOC.
- **Ohio EPA AOC Coordinator Report** Cherie provided a written report and briefly went over the highlights. 15 more projects (all of the requests) were funded for AquaMAP projects and all of the WildMAP projects had already been allocated and have now received awards. A few projects falling under the NOAA Partnership program are still to be decided. More data should be available on the GLLA sediment projects at the December meeting.
- **Facilitating Organization's Report** Kris Patterson, PCS gave a brief update. ERIE19 grant closed, with about \$24,000 of the funding remaining due to the interruptions from COVID and change in activities and staffing. The new grant started recently. PCS has been updating and generating content for the newsletters and social media. We also supported several project management teams. In December, Kris plans to ask for 2023 summer activities & projects to highlight in 2023. Kris also mentioned that work is progressing on the chlorides reduction project with UT and TMACOG.



• **MAP Spotlight**

- Several City of Toledo staff gave updates on several habitat and stream restoration projects underway and at various stages. The staff provided updates on projects underway at Delaware Creek and Park, Detwiler, and Bandor and Paisley Parks.

- **Partner Updates** Partners were given the opportunity to share any informal updates. No Public Comments given & meeting was adjourned.

• **Next meetings for 2022**

*December 8 at 930am Add in person option (at Ohio EPA-NWDO) for hybrid meeting?*

## Maumee AOC Coordinator Report for the Maumee AOC Advisory Committee August 11, 2022

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- **WildMAPs** (*BUI 14b: Wildlife Habitat*)
  - The Magee Marsh State Wildlife Area project has been completed. It is in a combined grant award with the Maumee Bay State Park (MBSP) Wetland project which has been extended through June 2023. The MBSP project has completed significant construction this summer on their dikes.
  - ODNR Division of Forestry is making progress on their second Maumee State Forest Expansion project, however they are still looking for approximately 60 acres of additional land to acquire for enhancement, restoration, and protection. If you know of any possible property in western Lucas, eastern Fulton, or northeastern Henry counties, please let me or Don Schmenk know ASAP.
  - An updated Summary Table of the WildMAPs was provided with this report.
  - A detailed narrative tracking of the WildMAPs is available upon request.
- **AquaMAPs** (*BUI 3a, 6, 14a: Fish Pops, Benthic Pops, Fish Habitat*)
  - The Maumee AOC has received direct GLRI-AOC funding for all 15 projects that were requested this federal fiscal year. Here is the status:
    - 15 have been submitted in grants.gov and expect to be awarded by the end of Sept.
      - 1 will be awarded to Ohio EPA as a passthrough grant
      - 2 will have funding provided to US FWS via an interagency agreement
    - Three projects are still pending NOAA Partnership funding consideration via the Great Lakes Commission and Ducks Unlimited.
      - The AOC Program doesn't expect to hear about these projects until fall 2022.
    - An updated Summary Table of the AquaMAPs was provided with this report.
    - A narrative tracking of the AquaMAPs is available upon request.
- **SedMAPs** (*BUIs vary by project site, GLLA contaminated sediment*)
  - Ohio continues to work with federal partners to make progress on these projects.
  - LOTS of data was collected in 2021 and the reports are being drafted/reviewed.
  - I expect to have an update on these projects at the December meeting
  - Focused Feasibility Studies for Swan Creek and the 2 Lower Maumee River sites have started.
  - An updated Summary Table of the SedMAPs was provided with this report.
  - A narrative tracking of the SedMAPs is available upon request.
- **Misc. MAPs** (*BUIs 1, 4, 7, 8, 10, 11*)
  - **BUI 1: Fish & Wildlife Consumption** – BUI removal package completed public comment period on August 5. As of August 4, no negative public comments had been received. Removal package will continue through the process with expected submission to US EPA in late August/early Sept.
  - **BUI 4: Deformities & Tumors** – Ohio EPA is reviewing the fish community data collected by US ACE-Chicago and US F&WS. I will update the committee at a future mtg.
  - **BUI 7: Dredging** – Waiting for sediment data collected in 2021 to be available.
  - **BUI 10a: Beach Closings (advisories)** – Project is in progress.
  - **BUI 8b: Eutrophication** – Ohio EPA is reviewing the data collected in 2021. I will update the committee at a future meeting.
  - **BUI 11: Aesthetics** – BUI removal package has to go through Ohio EPA and US EPA review, then it will be shared with MAAC.
- **AOC Program Updates**
  - Ohio Lake Erie Commission has hired a new AOC Coordinator for the Black River and Cuyahoga River AOCs. Welcome to Hannah Boesinger!

**Complete Management Action Project List for Maumee AOC Aquatic BUIs 3a, 6, and 14a (AquaMAPs)**

On 4/30/20 the MAAC approved these projects for recommendation to Ohio EPA. Ohio endorsed these projects on 5/7/20 and US EPA accepted them on 7/29/20. BUI 3b is not impaired. BUI 14b has all mgmt. actions being implemented. Once this list of projects is implemented the Restoration Targets for BUI 3: Degradation of Fish & Wildlife Populations, BUI 6: Degradation of Benthos, and BUI 14: Loss of Fish & Wildlife Habitat is expected to be achieved.

Project ID	Project name (Site name)	Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete	
<b>COMPLETED</b>								--
	none at this time							--
			\$0	\$0				

<b>FUNDED (In Progress)/FUNDING being PROCESSED</b>		Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Project Status	Estimated Complete
PD-5.0	Prairie Ditch Restoration at Secor Park: North of Visitor's Center	14a, 6	\$150,000	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (4/21)	8/23
PD-6.0	Prairie Ditch Two-Stage and Floodplain Planting: Secor Park Expansion, Phase II	14a, 6	\$160,000	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (4/21)	8/23
TuC-17.0	Wetland Enhancement in the Riverine of Turtle Creek (Sharlow) ^	14a, 3a, 6	\$302,325	\$9,160	Ottawa SWCD	GLRI via U.S. EPA & LEPF	Funded (8/21)	12/22
HTC-2.0	Headwaters Tenmile Creek Stream & Riparian Restoration <sup>E*</sup>	6, 14a, 3a	\$560,523	--	Lucas SWCD	GLRI via U.S. EPA	Funded (8/21)	6/24
AOC-2.0	Fish and Benthos Improvements with Urban Chloride Reductions (Phase 1)	6, 3a	\$311,000	--	Univ. of Toledo	GLRI via U.S. EPA passthru OEPA	Funded (9/21)	6/25
SIC-3.0	Restoration of the Ottawa River within Jermain Park*	3a, 6, 14a	\$650,353	--	City of Toledo (TES)	IA to NOAA/GLC Partnership	Funded (9/21)	7/22
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 1-FS)	14a, 3a, 6	\$175,500	--	City of Toledo (Parks)	IA to NOAA/GLC Partnership	Funded (9/21)	7/22
CeC-6.0	Dry Creek Ecological Stream and Riparian Project	14a, 6, 3a	\$580,000	--	Wood Co. Engineers	GLRI via U.S. EPA	Funded (9/21)	11/24
PC-2.0	Packer Creek Stream Restoration near Genoa-State Route 163*	14a	\$3,444,000	--	Ottawa SWCD	GLRI via U.S. EPA	Funded (9/21)	12/24
BD-2.0	Stream Restoration at Oregon Recreational Complex*	14a, 6	\$1,344,000	--	City of Oregon	GLRI via U.S. EPA	Funded (7/21)	12/24
HDOR-9.0	Hill Ditch Restoration at Toledo Natural Science Technology Center*	6, 14a	\$250,000	--	Toledo Public Schools	GLRI via U.S. EPA	Funded (9/21)	7/24
HDOR-13.0	Hill Ditch Restoration at Paisley Park (Bandore)	6	\$130,000	\$429,610	City of Toledo (TES)	GLRI via U.S. EPA	Funded (10/21)	12/23
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske^ (Part 1-Acquisition)	3a, 6, 14a	\$450,000	--	U.S. FWS	IA GLRI to U.S. FWS	Funding Transferred	TBD
TuC-18.0	Oxbow Channel Addition & Wetland Enhancement/ Reconnection in the Lacustuary of Turtle Creek (Minier & Kontz)^	14a, 3a, 6	\$3,300,000	\$82,500	U.S. FWS	IA GLRI to USFWS & H2Ohio	Funding Transferred	TBD
PC-6.0	Packer Creek Stream and Riparian Restoration (Gargas) ^	14a	\$278,500	--	Ottawa SWCD	GLRI via U.S. EPA	Submitted in grants.gov	TBD
HTC-12.2	Stream Restoration at Lathrop Park*	14a, 6	\$450,000	--	Ohio EPA	GLRI via U.S. EPA passthru OEPA	Submitted in grants.gov	TBD
CeC-1.0	Nature Trails Park Riparian Restoration and Wetland Creation*	14a, 6, 3a	\$337,000	--	City of Northwood	GLRI via U.S. EPA	Submitted in grants.gov	TBD
DC-2.0	Delaware Creek Park Restoration: Phase II	6, 14a	\$500,000	--	City of Toledo (TES)	GLRI via U.S. EPA	Submitted in grants.gov	TBD
UBC-13.0	Maumee State Forest Blue Creek Stream Restoration (Hight) *	14a	\$668,000	--	ODNR-Forestry	GLRI via U.S. EPA passthru ODNR(Fst)	Submitted in grants.gov	TBD
LTC-1.0	Schiller Stream and Riparian Improvements*	14a, 3a, 6	\$678,000	--	U.S. FWS	IA GLRI to U.S. FWS	Awaiting IA Transfer	TBD
OC-3.2	Berlin Avenue Floodplain and Stream Improvements^	14a, 6, 3a	\$699,510	--	City of Oregon	GLRI via U.S. EPA	Submitted in grants.gov	TBD
OC-3.3	Taylor Rd. and Yarrow St. Floodplain and Stream Improvements^*	14a, 6, 3a	\$690,000	--	City of Oregon	GLRI via U.S. EPA	Submitted in grants.gov	TBD
LBC-17.1	Blue Creek Restoration at Blue Creek Metropark*	14a	\$550,000	--	Metroparks Toledo	GLRI via U.S. EPA	Submitted in grants.gov	TBD
AC-3.0	Neis Ditch Stream Restoration^?	14a, 6, 3a	\$400,000	--	Metroparks Toledo	GLRI via U.S. EPA	Submitted in grants.gov	TBD
CeC-4.0	Dry Creek Aquatic and Riparian Restoration (WM)^E*	14a, 6, 3a	\$500,000	--	Wood Co. Engineers	GLRI via U.S. EPA	Submitted in grants.gov	TBD
MR-14.1	Audubon State Nature Preserve Islands Restoration*	3a, 14a, 6	\$3,600,000	--	Metroparks Toledo	GLRI via U.S. EPA	Submitted in grants.gov	TBD
MR-14.2	Delaware Islands Complex Restoration (Part 1-E&D)*	3a, 14a, 6	\$320,000	--	TLCPA	GLRI via U.S. EPA	Submitted in grants.gov	TBD
DD-7.0	Detwiler Park Stream Restoration*	6, 3a, 14a	\$1,000,000	--	City of Toledo (TES)	GLRI via U.S. EPA	Submitted in grants.gov	TBD
CrC-5.0	Crane Creek Lacustuary Wetland Restoration	14a, 3a, 6	\$1,500,000	--	U.S. FWS, DU	IA GLRI to U.S. FWS	Awaiting IA Transfer	TBD
			<b>\$23,978,711</b>	<b>\$521,270</b>				

<b>NEEDS FUNDNG</b>		Target BUI(s)	Funding Needed	Other Funding	Proposed Implementer	Proposed Funding Source	Funding Status	Funding Priority
<b>Under NOAA Review FFY22</b>								
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske* (Part 2-E&D/Implementation)	3a, 6, 14a	\$2,924,015	--	U.S. FWS, DU	IA to NOAA/DU Ptnrshp	Approval Pending	1
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 2-E&D)	14a, 3a, 6	\$209,000	--	City of Toledo (TES)	IA to NOAA/GLC Partnership	Approval Pending	2
HDSC-4.0	UTMC Swan Creek Restoration*	6, 14a	\$570,000	--	University of Toledo	IA to NOAA/GLC Partnership	Approval Pending	3
<b>Pending FFY23</b>								
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 3-Implementation)	14a, 3a, 6	\$315,500	--	City of Toledo (TES)	IA to NOAA/GLC Partnership	Awaiting Allocation	10
MR-14.2	Delaware Islands Complex Restoration (Part 2-Implementation)	3a, 14a, 6	\$5,080,000	--	TLCPA	GLRI via U.S. EPA	Awaiting Allocation	11
SIC-13.0	Instream and Riparian Projects in the Lacustuary of Ottawa River (pending - sampling results)	3a, 6, 14a	\$3,000,000	--	TBD within 1 yr of data	TBD	TBD	TBD
			<b>\$12,098,515</b>	<b>\$0</b>				

<b>NO GLRI-AOC (FA1) FUNDING REQUIRED, ALREADY FUNDED</b>		Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete	Funded
varies	20 already funded Aquatic Biological MAPs	3, 6, 14a	--	\$12,022,186	varies	varies	10 of 20	all
			<b>\$0</b>	<b>\$12,022,186</b>				

^ = acquisition  
 ^E = acquisition or easement  
 \* = concept plan

Estimated **Total AOC GLRI Funds** = \$36,077,226 + \$12,543,456 = Estimated **Total Non-AOC GLRI Funds**  
 Estimated **Total Cost** = \$48,620,682  
 Estimated **Funding Needed** = \$12,098,515

Estimated **Percentage of Non-AOC Funds Leveraged** = 25.8%

# Complete Management Action Project List for Maumee AOC Wildlife Habitat BUI 14b (WildMAPs)

Updated 8/4/22

On 12/14/17 the MAAC approved the projects below for recommendation to Ohio EPA. Ohio EPA endorsed these projects on 1/18/18 and US EPA accepted them on 2/12/18. It is expected that once implemented these projects will achieve the restoration target for BUI 14b: Loss of Wildlife Habitat.

Project ID	Project name (Site name)						
COMPLETED		Project Acreage	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete
1-16	Magee Marsh State Wildlife Area	1000	\$1,075,000	--	ODNR-Wildlife	Funded (GLRI via U.S. EPA)	6/22
4-16	Irwin upland site 5 (Griswold property)	20	\$150,000	--	Metroparks	COMPLETE (GLRI via U.S. EPA)	9/18
6-16	Habitat Restoration Plans	0	\$400,000	--	Ohio EPA	COMPLETE (GLRI via U.S. EPA)	3/19
7-16	Maumee State Forest site 1 (Carter and Rusin-1 property)	25	\$261,668	--	ODNR-Forestry	COMPLETE (GLRI via U.S. EPA)	4/21
8-16	Maumee State Forest site 2 (Hight wetland & forest property)	75	\$99,332	--	ODNR-Forestry, TNC	COMPLETE (GLRI via U.S. EPA)	4/21
9-16	Maumee State Forest site 3 (Hight upland & flatwoods property)	85	\$95,000	--	ODNR-Forestry, TNC	COMPLETE (GLRI via U.S. EPA)	4/21
10-16	Irwin wet prairie site 3a (Neyland property)	10	\$97,300	--	Metroparks	COMPLETE (GLRI via U.S. EPA)	3/18
11-16	Irwin wet prairie site 3b	31.8	\$300,000	--	Metroparks	COMPLETE (GLRI via U.S. EPA)	12/20
22-17	Fox Property Restoration Project	38	\$43,840	--	Friends of Ottawa National Wildlife Refuge	COMPLETE (GLRI via U.S. EPA passthru to OEPA)	11/21
23a-17	Restoring Coastal Wetlands at Toussaint State Wildlife Area Phase I & II	63	\$600,000	\$888,000	ODNR-Wildlife, TNC, DU	COMPLETE (GLRI via NOAA, GLFWRA, SOGL)	2019
23b-17	Restoring Coastal Wetlands at Toussaint State Wildlife Area Phase III	62	\$750,000	--	ODNR-Wildlife, DU	COMPLETE (NOAA/DU Partnership)	9/21
27-17	Kitty Todd Expansion	321	\$1,400,000	\$3,545,700	TNC, Metroparks	COMPLETE (GLRI via U.S. EPA passthru OEPA, WRRSP)	2/22
		<b>1730.9</b>	<b>\$5,272,140</b>	<b>\$4,433,700</b>			

FUNDED (In Progress)		Project Acreage	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Estimated Complete
2-16 & 3-16	Toussaint Parcel East and Toussaint Parcel West	242.6	\$2,297,000	--	DU, U.S. FWS	Funded (GLRI via U.S. FWS)	9/22
13-16	Navarre Unit of Ottawa National Wildlife Refuge	732	\$1,300,000	\$1,151,297	US FWS, DU	Funded (GLRI to U.S. FWS, GLFWRA, H2Ohio)	3/23
14-16	Cedar Point National Wildlife Refuge Pool 2	150	\$850,000	\$96,000	US FWS	Funded (GLRI to U.S. FWS)	Spring 2023
15-16	Oak Savannah Expansion at Secor Metropark	39.3	\$510,000	--	Metroparks	Funded (GLRI via U.S. EPA)	2022
24-17	Penn 7 Wetland Restoration	59	\$2,954,619	--	City of Toledo, GLC	Funded (NOAA Partnership)	2022
25-17	Howard Marsh Phase 2	240	\$4,272,000	--	Metroparks, DU	Funded (NOAA Partnership)	Fall 2022
28-17	Maumee State Forest Expansion	152	\$1,369,500	--	ODNR-Forestry	Funded (GLRI via U.S. EPA)	7/23
29-17	Maumee Bay State Park Coastal Wetland	137	\$500,000	\$2,200,000	ODNR-Wildlife, Parks	Funded (GLRI via U.S. EPA, H2Ohio)	6/23
		<b>1751.9</b>	<b>\$14,053,119</b>	<b>\$3,447,297</b>			

NEEDS FUNDNG/FUNDING being PROCESSED	Project Acreage	Funding Needed	Other Funding	Proposed Implementer	Funding Status
ALL Projects Funded	0	\$0	\$0		

3482.8	= Total Acres of Recommended MAPs
3427.0	= BUI 14b Target Acreage
-55.8	= Remaining Acres that Need to be Identified*

Estimated <b>Total AOC GLRI Funds</b>	=	\$19,325,259	\$7,880,997	= Estimated <b>Total Non-AOC GLRI Funds</b>
Estimated <b>Total Cost</b>	=	\$27,206,256		
Estimated <b>Funding Needed</b>	=	\$0		

Estimated <b>Percentage of Non-AOC Funds Leveraged</b>	=	29.0%
Estimated <b>Cost per Acre to Achieve Target**</b>	=	\$7,938.80

\* Based on past experience, it is expected that the actual acreage of projects will change slightly as they are implemented. Any remaining acreage needed to achieve the BUI 14b restoration target is expected to be realized through project(s) that have similar objectives to this BUI target, but are funded by non-AOC GLRI sources.

\*\* In NW Ohio in-lieu mitigation costs average \$48,000 per acre and mitigation bank costs average \$35,000 per acre in 2016

**Complete Maumee AOC Management Action Project List for Contaminated Sediments (SedMAPs)**

Updated 8/4/22

On 6/11/20 the MAAC approved these projects for recommendation to Ohio EPA. Ohio endorsed these projects on 6/29/20 and US EPA accepted them on 7/29/2020. These projects will address a variety of BUIs as listed with each project. These projects will lead to the direct removal of some BUIs, but other BUIs will require additional management actions as defined in those BUI-specific management action lists. Below is an explanation of the BUI numbering.

**Sediment Projects**

BUI	Project Site	Lead Agency	Task/Description	Funding Status	AOC GLLA Funding	Non-Federal Funding	Estimated Total Cost	Anticipated FFY
1,3,4,6,14	Ottawa River <i>(Reaches 1 - 4 area)</i>	US ACE (for GLNPO) ORD (for GLNPO)	Remedy Confirmation Study - Reach 1	Complete (2019)	\$446,723	-	\$446,723	19
			Remedy Effectiveness Study - Reach 2-4	In Progress	\$1,100,000	-	\$1,100,000	20
			Decision document	In Progress	-	-	-	20
3,6,14	Halfway, Silver, Shantee Creeks	Ohio EPA	Field verification of conditions	Complete (11/20)	-	-	-	20
			Decision document	Complete (7/21)	-	-	-	21
6,14	Swan Creek (RM 4-0) <i>(Phase 1 &amp; 2 area)</i>	GLNPO	SLERA	Complete (2019)	-	-	-	19
			Data Gap Investigation	In Progress	\$600,000	-	\$600,000	20
			Feasibility Study	In Progress	\$195,000	\$105,000	\$300,000	22
			Remedial Design	Needs Funding	\$325,000	\$175,000	\$500,000	23
			Remedial Action/Construction	Needs Funding	\$12,025,000	\$6,475,000	\$18,500,000	24-25
3,6,14	Maumee River - Upstream <i>(Phase 1 area)</i>	US ACE (for GLNPO)	SLERA	Complete (2019)	-	-	-	20
			Decision document	Complete (10/21)	-	-	-	20
3,6,7,14	Maumee River - Sway Bridge <i>(within Phase 2 area)</i>	US ACE (for GLNPO)	SLERA	Complete (2019)	-	-	-	20
			Data Gap Investigation	In Progress	\$725,300	-	\$725,300	21
			Feasibility Study	In Progress	\$195,000	\$105,000	\$300,000	22
			Remedial Design	Needs Funding	\$325,000	\$175,000	\$500,000	23
			Remedial Action/Construction	Needs Funding	\$12,512,500	\$6,737,500	\$19,250,000	24-25
3,6,14	Maumee River - WWTP <i>(within Phase 2 area)</i>	US ACE (for GLNPO)	Remedy Effectiveness Study	Needs Funding	tbd	tbd	tbd	30
			SLERA	Complete (2019)	-	-	-	20
			Data Gap Investigation	In Progress	\$725,300	-	\$725,300	21
			Feasibility Study	In Progress	\$195,000	\$105,000	\$300,000	22
			Remedial Design	Needs Funding	\$325,000	\$175,000	\$500,000	24
3,4,6,11,14	Otter Creek	US ACE (for GLNPO)	Remedial Action/Construction	Needs Funding	\$21,612,500	\$11,637,500	\$33,250,000	25
			Remedy Effectiveness Study	Needs Funding	tbd	tbd	tbd	30
			Remedial Design	Complete (2020)	\$1,300,000	\$700,000	\$2,000,000	20
			Remedy/Restoration Baseline Study	Complete (2020)	tbd	tbd	tbd	20
			Remedial Action/Construction	Complete (2021)	\$6,500,000	\$3,500,000	\$10,000,000	21
3,4,6,14	Duck Creek	GLNPO	Restoration Effectiveness Study	In Progress	tbd	tbd	tbd	26
			SLERA	Complete (2018)	-	-	-	19
			Decision document (NFA)	Complete (2019)	-	-	-	19
			Restoration Effectiveness Study	In Progress	tbd	tbd	tbd	26

note: Italicized funding are rough estimates

\$59,107,323      \$29,890,000      \$88,997,323

Completed Tasks = \$12,446,723	In Progress/Funded Tasks = \$4,050,600	Needs Funding/Pending Tasks = \$72,500,000
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**Cost Share Projects**

Project ID	Project name (Site name)	Lead Implementer/ Partner	Funding Source	Funding Status	AOC GLLA Funding	Non-Federal Funding	Added to PA	Estimated Complete
CS-01	Cullen Park Flow Through Wetland (MB-2.0)	Toledo-Lucas Co Port Authority (TLCPA)	H2Ohio (SFY20-Phase 1)	Complete (2021)	-	\$203,429	Oct. 2020	2021
CS-02	Grassy Island Flow Through Wetland	Toledo/Lucas Co Port Authority	H2Ohio (SFY20-Phase 1)	Complete (2021)	-	\$531,629	Oct. 2020	2021
CS-03	Maumee Bay State Park (29-17)	TNC	H2Ohio (SFY20-Phase 1)	In Progress	-	\$2,200,000	Oct. 2020	2022
CS-4A	Ottawa NWR Nearshore Habitat Restoration (CrC-4.0)	Ottawa SWCD	H2Ohio (SFY20-Phase 1)	In Progress	-	\$650,000	Oct. 2020	2022
CS-4B	Turtle Creek Bay (Magee Marsh) Reconnection (TuC-20.0)	Erie SWCD	H2Ohio (SFY20-Phase 1)	In Progress	-	\$600,000	Oct. 2020	2022
CS-13	Oak Openings Preserve Metropark Wetland Expansion	Metroparks Toledo	H2Ohio (SFY20-Phase 1)	In Progress	-	\$867,000	Oct. 2020	2022
CS-25	VanOrder Woodland and Wetland Restoration	ODNR - Forestry	H2Ohio (SFY20-Phase 1)	In Progress	-	\$363,476	Oct. 2020	2022
CS-26	Navarre Marsh Wetland Restoration & Reconnection	Ducks Unlimited	H2Ohio (SFY20-Phase 1)	In Progress	-	\$950,000	Oct. 2020	2022
CS-12	Mallard Club Wildlife Area Wetland Connection	Ducks Unlimited	H2Ohio (SFY20-Phase 2)	In Progress	-	\$767,071	June 2021	2024
CSM-15	Maumee River Shoreline Acquisition	Metroparks Toledo	Metroparks Toledo General Fund	Complete (2021)	-	\$1,833,350	June 2021	2021
CSM-16	Oak Openings Preserve Metropark Wetland Expansion (PART 2 of CS-13)	Metroparks Toledo	Clean Ohio Fund District 12 (SFY20)	In Progress	-	\$483,625	June 2021	2022
CSM-17	Oak Openings Corridor Swamp Forest Protection (Reed)	Metroparks Toledo	Clean Ohio Fund District 12 (SFY21)	In Progress	-	\$584,000	June 2021	2022
CSM-18	Ravine Park Acquisition and Restoration (Garfield Greenway)	Metroparks Toledo	Clean Ohio Fund District 12 (SFY21)	In Progress	-	\$271,368	June 2021	2022
CSM-19	Swan Creek Preserve Expansion	Metroparks Toledo	Clean Ohio Fund District 12 (SFY21)	In Progress	-	\$162,005	June 2021	2022
CS-34	Clark Island Habitat Restoration Project (E&D only)	Toledo/Lucas Co Port Authority	H2Ohio (SFY21-Phase 3)	In Progress	-	\$620,000	June 2021	2022
CS-36	Duck Creek Wetland and Stream Restoration	Toledo/Lucas Co Port Authority	H2Ohio (SFY21-Phase 3)	In Progress	-	\$1,800,000	June 2021	2024
CS-4C	Toussaint Shooting Club Reconnections	Ottawa SWCD	H2Ohio (SFY21-Phase 3)	In Progress	-	\$2,418,000	June 2021	2023

\$15,304,953

**Beneficial Use Impairments**

BUI 1: Restrictions on Fish & Wildlife Consumption	Eutrophication or Undesirable Algae	BUI 8:
BUI 2: Tainting of Fish and Wildlife Flavor	Restrictions on Drinking Water Consumption or Taste & Odor Problems	BUI 9:
BUI 3: Degradation of Fish & Wildlife Populations	Beach Closings (Recreational Contact)	BUI 10:
BUI 4: Fish Tumors or Other Deformities	Degradation of Aesthetics	BUI 11:
BUI 5: Bird or Animal Deformities or Reproductive Problems	Added Costs to Agriculture or Industry	BUI 12:
BUI 6: Degradation of Benthos	Degradation of Phytoplankton and Zooplankton Populations	BUI 13:
BUI 7: Restrictions on Dredging Activities	Loss of Fish & Wildlife Habitat	BUI 14:

Date

Laurie Stevenson, Director  
Ohio Environmental Protection Agency  
P. O. Box 1049  
Columbus OH 43216-1049

Joy Mulinex, Executive Director  
Ohio Lake Erie Commission  
P.O. Box 1049  
Columbus OH 43126-1049

**RE: Removal of Beneficial Use Impairment for Restrictions on Fish and Wildlife Consumption**

Dear Directors Stevenson and Mulinex,

The Maumee Area of Concern (AOC) Advisory Committee has reviewed the Recommendation document for the removal of the beneficial use impairment for Restrictions on Fish and Wildlife Consumption (BUI 1).

The Maumee AOC Advisory Committee supports the Ohio AOC program through the Ohio Lake Erie Commission and Ohio EPA in recommending the removal of this BUI and its submittal to U.S. EPA's Great Lakes National Program Office (GLNPO) for their approval.

With the removal of this BUI, the following impairments currently remain in the Maumee AOC.

- BUI #3: Degradation of Fish & Wildlife Populations
- BUI #4: Fish Tumors or Other Deformities
- BUI #6: Degradation of Benthos
- BUI #7: Restrictions on Navigational Dredging Activities
- BUI #8: Eutrophication or Undesirable Algae
- BUI #10: Beach Closings (Recreational Contact)
- BUI #11: Degradation of Aesthetics
- BUI #14: Loss of Fish & Wildlife Habitat

The Maumee AOC Advisory Committee looks forward to continuing to work in coordination with the Ohio AOC program with these remaining BUIs and the work necessary for their removal.

Sincerely,

Mike Pniewski,  
Chair, Maumee AOC Advisory Committee

cc: Lynn Garrity, OLEC  
Cherie Blair, Ohio EPA





# City of Toledo

## Division of Environmental Services

# AOC Projects

MAAC, August 11, 2022

Edith Kippenhan, Environmental Services, City of Toledo

LaShawna Weeks, Environmental Services, City of Toledo

Marisa Stewart, Environmental Services, City of Toledo

# Toledo Maumee AOC Projects

- Bandore Park Stream and Wetland Restoration
- Detwiler Park Restoration
- Collins Park Restoration Feasibility Study
- Jermain Park Stream Restoration
- Detwiler Golf Course Stream Restoration
- Coming soon:
  - Delaware Creek Phase II

## AOC Goals:

Permanently improve water quality of the rivers and streams in the AOC by correcting and removing biological or chemical issues (BUIs).

# Location of Projects

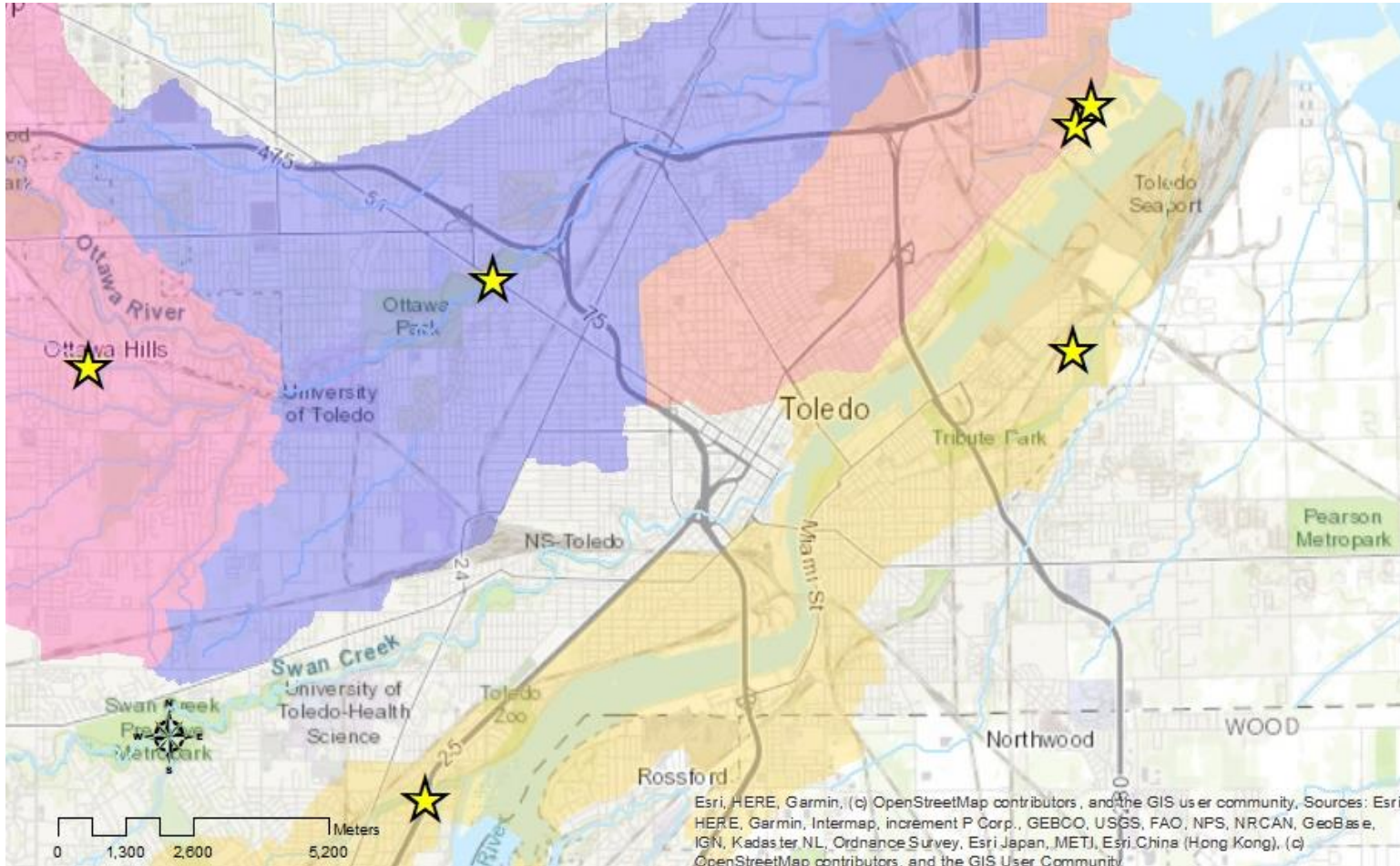
## City of Toledo Maumee AOC Projects

**Legend**

- ★ Project Locations

HUC12 Watershed

- Delaware Creek-Maumee River
- Detwiler Ditch-Frontal Lake Erie
- Heldman Ditch-Ottawa River
- Sibley Creek-Ottawa River

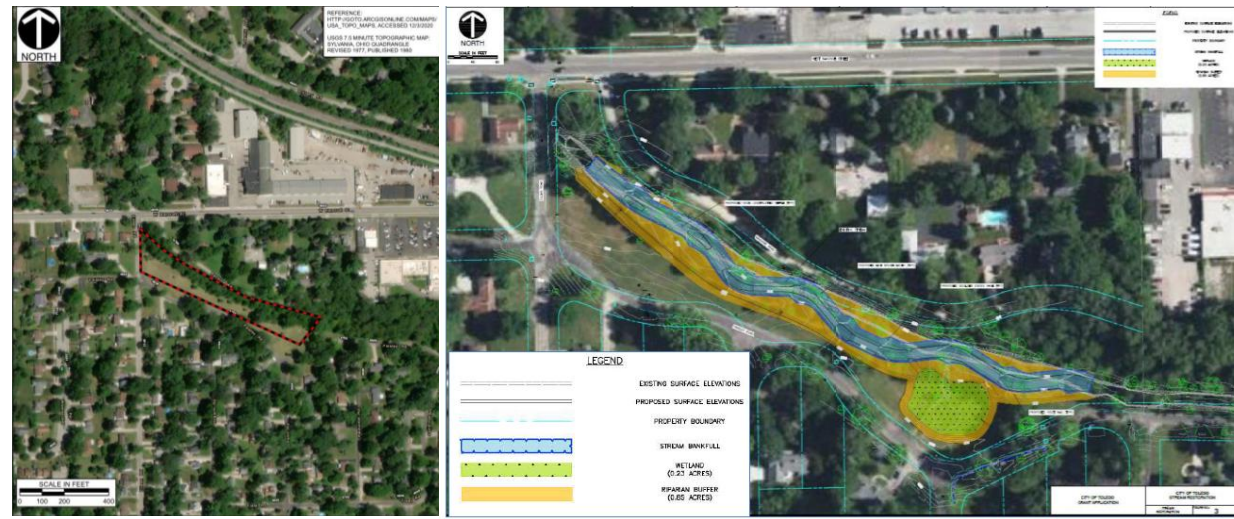


Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community.

# Bandore Park

- Stream and Wetland Restoration
- 319 grant: \$299,610
- AOC GLRI grant: \$130,000
- City roadway project: \$130,000

- Address eroding streambanks by creating vegetated floodplain bench, improve sinuosity of channel, and add in-stream habitat features.
- Addresses BUI 6, 14a



# Detwiler Park Restoration

- Stream and Wetland Restoration
- 319 grant: \$472, 333
- Match: \$314, 866



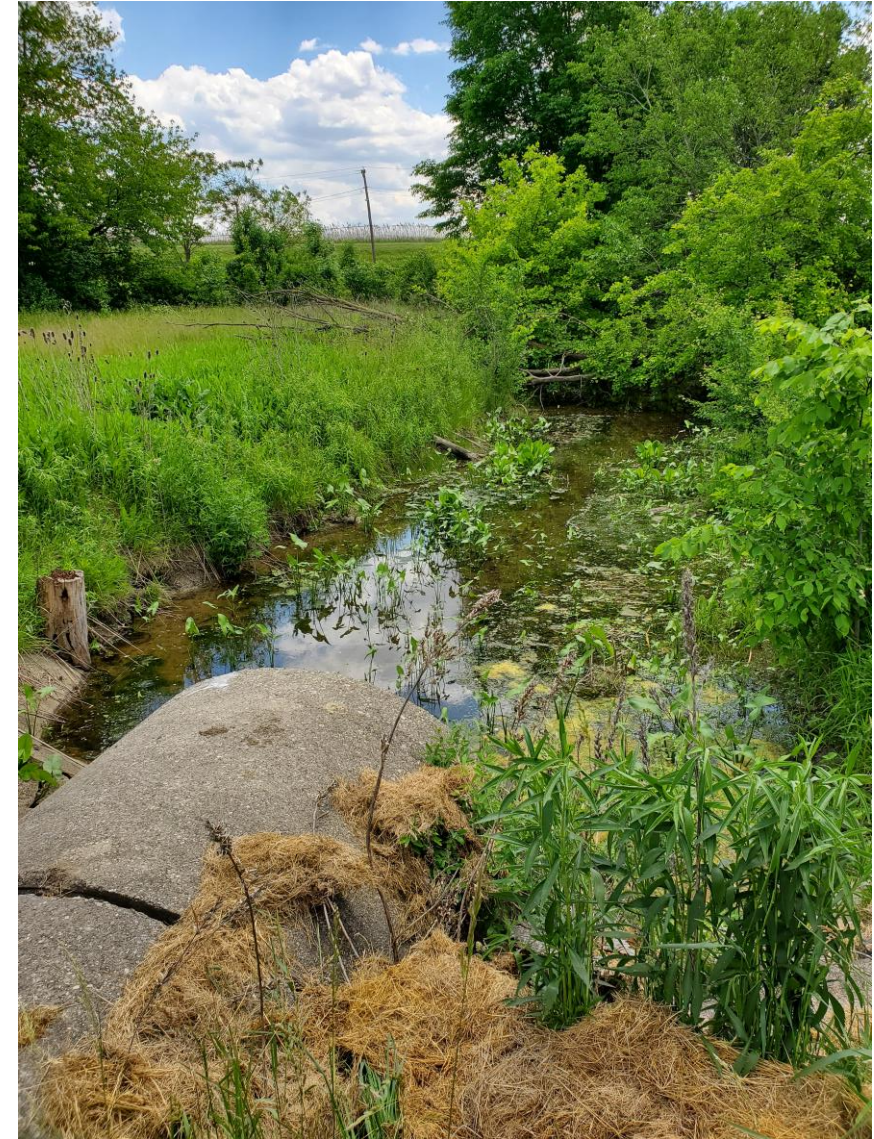
- Restore natural stream channel morphology, connect stream to floodplain & wetlands, create instream habitat
- Addresses BUI 3 – degradation of fish & wildlife population, BUI 6 – degradation of benthos, BUI 14 – loss of fish & wildlife habitat



# Collins Park Restoration Feasibility Study

- NOAA funding ➡ GLC ➡ City of Toledo
- \$175,500 for Feasibility Study
- Activities will develop a plan to restore fish habitat

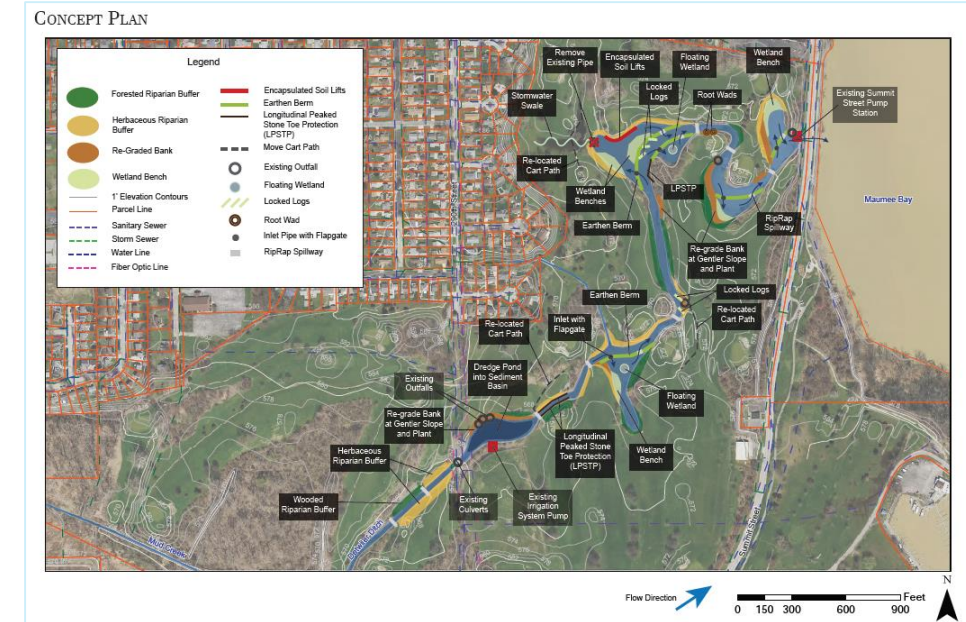
- Regrading and creating streambank benches between culverts on Duck Creek. Create wetland channel in the upstream end of Duck Creek.
- Addresses BUI 3 – degradation of fish population, BUI 6 – degradation of benthos, BUI 14 – loss of fish habitat



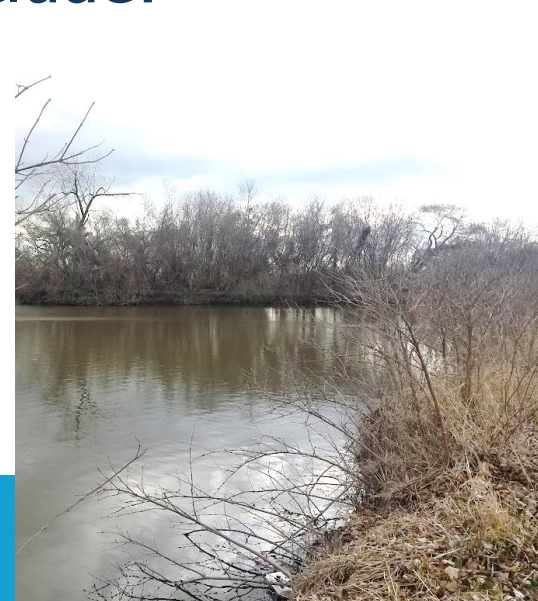


# Detwiler Golf Course Stream Restoration

- Stream Restoration
- Management Action Needs Funding
- Project Funding Request: \$1,000,000
- Anticipated Restoration activities include:
  - Improve Benthic Habitat in Detwiler Ditch
  - Restore approx. 0.8 acres of wetland habitat
  - Address 2,100 LF of eroding streambank
  - Restore 6,200 LF of riparian buffer



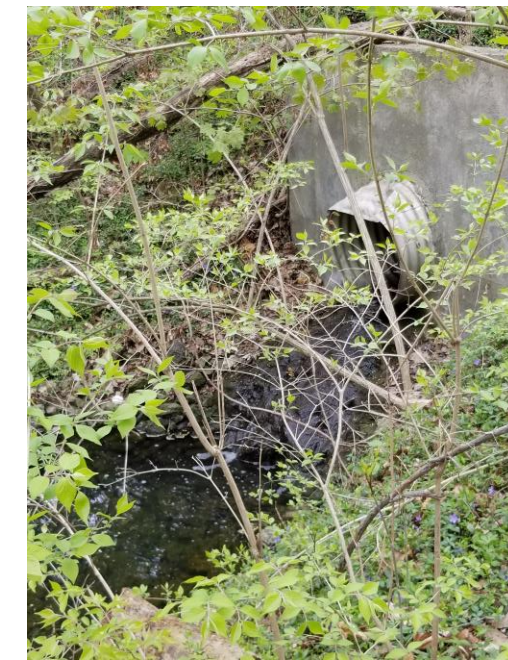
Addresses BUI 6



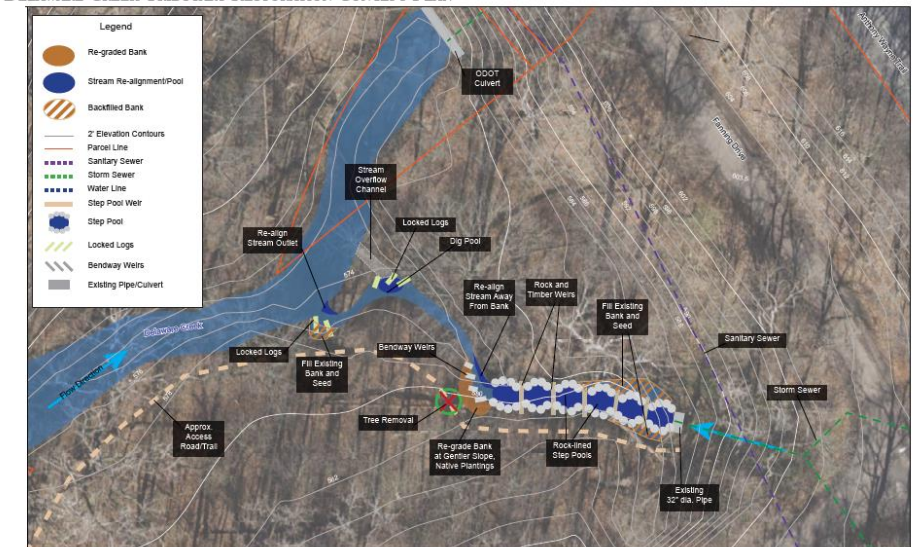


# Delaware Creek Phase II

- Stream Restoration
- AOC GLRI grant: \$500,000
- Construction slated for late 2024
- Culvert downstream slated for work 2024



DELAWARE CREEK TRIBUTARY RESTORATION CONCEPT PLAN



- Address eroding streambanks by installing a series of pools, bank stabilization, and add in-stream habitat features.
- Addresses BUI 6, 14a

# Our Partners:

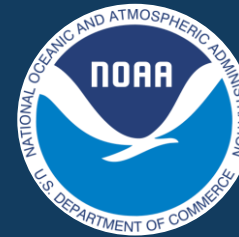




These projects were made possible because they are located within the Maumee Area of Concern, and are priority projects for aquatic populations and habitat.



Some of these projects were made possible by the City of Toledo receiving financial support from the United States Environmental Protection Agency (EPA) via the Great Lakes Restoration Initiative.



Some of these projects were made possible by the City of Toledo receiving funding from the NOAA Restoration Center and Great Lakes Restoration Initiative.

THANK YOU FOR YOUR TIME TODAY.

➔ ANY QUESTIONS?