



Maumee AOC Advisory Committee

August 13, 2026 1 pm – 2:30 pm

Virtual Meeting

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AGENDA

- **Welcome & Meeting/Call Logistics** (Mike Pniewski, Chair)
- **VOTE: Minutes** (Mike) (5 mins)
- **Update on Removal of BUI 10** (Cherie Blair, Ohio EPA) (5 mins)
- **VOTE: Removal Endorsement Letter of Support for BUI 10** (Mike) (5 mins)
- **US EPA Task Force Leader Report** (Leah Medley, US EPA - GLNPO) (5 mins)
- **Ohio EPA AOC Coordinator Report** (Cherie) (15 mins)
 - BUI Status Updates
 - MAP Updates
- **Facilitating Organization's Report** (Todd Duvall, PCS) (10 mins)
 - New PCS Staff
 - Ava Kauffman, Communication, Outreach and Marketing Specialist for PCS
 - Financial Update: Ideas for Spending Down Budget
 - Only 22% of \$209K of grant has been spent down, as of last reimbursement invoice
 - Need suggestions to spend funding over the next 7-8 months
 - NEED ASSISTANCE: Ad Hoc group to review MAAC Operating Procedures (last updated in 2020)
 - Interest in a Field Trip to AOC Sites
- **Project Spotlight** (Greg Buhoveckey, MSG) (20 mins)
 - Dry Creek Ecological Stream and Riparian Project (CeC-6.0)
- **Partner Updates** (10 mins)
- **Public Comments & Adjourn** (5 mins)
- **Next meetings for 2026 –**
 - December 10 (hybrid, in-person will be at Ohio EPA-NWDO in Bowling Green) 1 p.m.-2:30 p.m.



**Maumee AOC Coordinator Report
for the Maumee AOC Advisory Committee
August 13, 2026**

- **WildMAPs** (*BUI 14b: Wildlife Habitat*)
 - The last WildMAP was completed in May 2025.
 - The Final Summary Table of the WildMAPs is dated 6/15/2025. It is available on the Maumee AOC website under the Projects Tab.
 - The Final detailed narrative tracking of the WildMAPs is available upon request.
- **AquaMAPs** (*BUI 3a, 6, 14a: Fish Pops, Benthic Pops, Fish Habitat*)
 - We currently have 12 projects/phases that are complete
 - The funding for the last project that needs implementation funds has been awarded to the City of Toledo. This \$2.6M for the Lower Ottawa River Nearshore project was a part of the GLRI funding announcement made yesterday (8/12/26) by US EPA Regional Administrator Anne Vogel. Bids were due on Tues., Aug 11. This project is expected to proceed to construction this Fall.
 - The current status of projects:

▪ Assessment, Engineering & Design: 2	▪ Substantially complete: 19
▪ Under construction: 2	▪ Phase 1 complete: 3
▪ Additional mobilizing in 2026: 2-3	▪ Fully complete: 9
 - Projects expected to put out RFPs this fall:
 - Build: USFWS-DU/Minier, USFWS-DU/Sabroske
 - The most recent update to the Summary Table of the AquaMAPs was dated 7/29/26 and was shared with this report. It will soon be available on the Maumee AOC website under the Projects Tab, or I can send it as a PDF upon request.
 - 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 sediment projects.
 - **LMR-Sway Bridge**: The Sway Bridge project was also a part of the GLRI funding announcement by US EPA yesterday (8/12/26). GLNPO awarded \$32.4M to the Toledo/Lucas Co Port Authority. The State of Ohio is contributing ~\$1.75M (for disposal) and ~\$15.7M of in-kind credit (thru H2Ohio, Clean Ohio Fund, MTA projects). We are still working on SHPO mitigation requirements for the shipwrecks in the Maumee River. An MOA between US EPA and Ohio SHPO is in development along with a list of mitigation activities. A public information session for both LMR sites will be held on August 26 from 4-6pm at the Glass City Pavillion in Glass City Metropark.
 - **LMR-WWTP**: Once the Sway Bridge remedial design and construction bid documents are complete the consultant will begin working on the documents and permit applications for this project. Unfortunately, implementation may have to wait a few years in order to have the 65/35 match required for the ~\$35M project.
 - **Ottawa River-Area 4Y/4X**: The Feasibility Study/Remedial Design project for this reach of the Ottawa River was also a part of the funding announcement yesterday (8/12/26) with a \$1M award to Ohio EPA. Ohio is contributing \$538,462 of in-kind credit (thru H2Ohio, Clean Ohio Fund, MTA projects).
 - **Swan Creek**: This project is currently paused while efforts ramp up on the LMR and Ottawa projects.
 - The most recent update to the Summary Table of the SedMAPs was dated 8/12/26 and was shared with this report. It will soon be available on the Maumee AOC website under the Projects Tab, or I can send it as a PDF upon request.
- **Misc. MAPs** (*BUIs 4, 8, 10*)
 - **BUI 4: Deformities & Tumors** – Still impaired for DELTs in the lacustrine of the Ottawa River.
 - **BUI 8b: Eutrophication** – Unable to remove this BUI at this time.

- **BUI 10: Beach Closings (Recreational Contact)** – Public comment period closes tomorrow (8/14/26). Three comments have been received at the time of this report, all primarily focused on CAFOs and suggest the limits of the AOC Program and its BUI removal targets are not sufficient. At this time, I don't see any substantial changes to the removal document and request a letter of support from the MAAC. The BUI removal package is expected to be submitted to GLNPO later this month, with removal anticipated by the end of Sept. 2026.

- **AOC Program Updates**

- **Ohio EPA sampling in Maumee AOC:** Ohio EPA has begun preparing a sampling plan for a whole Maumee AOC stream assessment sampling effort. Once this plan is better developed, I will share details.

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 3a 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	Project Status	Date Complete
COMPLETED								
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	COMPLETE (started 4/21)	1/23
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	COMPLETE (started 4/21)	1/23
MR-14.2	Delaware Islands Complex Restoration (Part 1-E&D)*	3a, 14a, 6	\$320,000	--	TLCPA	GLRI via U.S. EPA	COMPLETE (started 8/22)	6/23
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	COMPLETE (started 5/21)	10/23
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	COMPLETE (started 9/21)	12/23
BD-2.0	Stream Restoration at Oregon Recreational Complex*	14a, 6	\$1,344,000	\$104,339	City of Oregon	GLRI via U.S. EPA	COMPLETE (started 7/21)	12/24
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	COMPLETE (started 9/21)	6/25
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	COMPLETE (started 8/21)	12/25
HDOR-9.0	Hill Ditch Restoration at Toledo Natural Science Technology Center*	6, 14a	\$250,000	\$100,000	Toledo Public Schools	GLRI via U.S. EPA	COMPLETE (started 9/21)	12/25
HTC-12.2	Stream Restoration at Lathrop Park*	14a, 6	\$450,000	--	Partners for Clean Streams	GLRI via U.S. EPA passthru OEPA	COMPLETE (started 9/22)	3/26
HDOR-13.0	Hill Ditch Restoration at Paisley Park (Bandore)	6	\$130,000	\$714,610	City of Toledo (TES)	GLRI via U.S. EPA	COMPLETE (started 10/21)	6/26
CeC-1.0	Nature Trails Park Riparian Restoration and Wetland Creation*	14a, 6, 3a	\$337,000	--	City of Northwood	GLRI via U.S. EPA	COMPLETE (started 9/22)	6/26
12			\$4,379,825	\$928,109				

FUNDED (In Progress)/FUNDING being PROCESSED		Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Project Status	Estimated Complete
HTC-2.0	Headwaters Tenmile Creek Stream & Riparian Restoration ^{£*}	6, 14a, 3a	\$560,523	--	Lucas SWCD	GLRI via U.S. EPA	Funded (8/21)	12/26
SIC-3.0	Restoration of the Ottawa River within Jermain Park*	3a, 6, 14a	\$769,802	--	City of Toledo (TES)	IA to NOAA/GLC Partnership	Funded (9/21)	1/27
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)	9/26
PC-2.0	Packer Creek Stream Restoration near Genoa-State Route 163*	14a	\$3,444,000	\$197,650	Ottawa SWCD	GLRI via U.S. EPA	Funded (9/21)	12/26
TuC-18.0	Oxbow Channel Addition & Wetland Enhancement/ Reconnection in the Lacustuary of Turtle Creek (Minier & Kontz) [^]	14a, 3a, 6	\$3,300,000	\$779,894	U.S. FWS/DU	IA GLRI to USFWS & H2Ohio	FFY21 Funding Transferred	12/26
PC-6.0	Packer Creek Stream and Riparian Restoration (Gargas) [^]	14a	\$278,500	--	Ottawa SWCD	GLRI via U.S. EPA	Funded (9/22)	12/26
DC-2.0	Delaware Creek Park Restoration: Phase II	6, 14a	\$500,000	\$312,264	City of Toledo (TES)	GLRI via U.S. EPA	Funded (9/22)	12/26
UBC-13.0	Maumee State Forest Blue Creek Stream Restoration (Hight) *	14a	\$668,000	--	The Nature Conservancy	GLRI via U.S. EPA passthru ODNR(Fst)	Funded (7/22)	12/26
LTC-1.0	Schiller Stream and Riparian Improvements*	14a, 3a, 6	\$678,000	\$200,000	The Nature Conservancy	IA GLRI to FWS passthru to TNC	FFY22 Funding Transferred	2/27
OC-3.2	Berlin Avenue Floodplain and Stream Improvements [^]	14a, 6, 3a	\$699,510	--	City of Oregon	GLRI via U.S. EPA	Funded (8/22)	12/26
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	Funded (8/22)	12/26
LBC-17.1	Blue Creek Restoration at Blue Creek Metropark*	14a	\$550,000	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (9/22)	8/26
AC-3.0	Neis Ditch Stream Restoration ^{^2}	14a, 6, 3a	\$400,000	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (9/22)	8/26
CeC-4.0	Dry Creek Aquatic and Riparian Restoration (WM) ^{^£*}	14a, 6, 3a	\$500,000	--	City of Northwood	GLRI via U.S. EPA	Funded (9/23)	9/26
MR-14.1	Audubon State Nature Preserve Islands Restoration*	3a, 14a, 6	\$3,600,000	\$330,201	Metroparks Toledo	GLRI via U.S. EPA	Funded (4/22)	4/27
DD-7.0	Detwiler Park Stream Restoration*	6, 3a, 14a	\$1,000,000	\$400,000	City of Toledo (TES)	GLRI via U.S. EPA	Funded (9/22)	12/26
CrC-5.0	Crane Creek Lacustuary Wetland Restoration	14a, 3a, 6	\$1,500,000	--	TLCPA	IA GLRI to U.S. FWS	FFY23 Funding Transferred	2/28
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 2-E&D)	14a, 3a, 6	\$175,100	--	City of Toledo (TES)	IA to NOAA/GLC Partnership	Funded (9/22)	1/27
HDSC-4.0	UTMC Swan Creek Restoration (Part 1-E&D)*	6, 14a	\$330,302	--	University of Toledo	IA to NOAA/GLC Partnership	Funded (9/22)	9/27
MR-14.2	Delaware Islands Complex Restoration (Part 2-Implementation)	3a, 14a, 6	\$5,080,000	--	TLCPA	GLRI via U.S. EPA	Funded (8/23)	9/27
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske* (Part 2-E&D)	3a, 6, 14a	\$1,006,144	--	DU	IA to NOAA/DU Partnership	Funding Transferred	TBD
SIC-13.1	Improvements to Nearshore Aquatic Habitat in the Lower Ottawa River (Part 1-E&D)	3a, 6, 14a	\$400,000	--	City of Toledo (TES)	GLRI via U.S. EPA	Funded (10/24)	12/27
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 3-Implementation)	14a, 3a, 6	\$1,459,500	--	City of Toledo (TES)	GLRI via U.S. EPA	Funded (8/25)	7/27
HDSC-4.0	UTMC Swan Creek Restoration (Part 2-Implementation)	6, 14a	\$950,000	--	University of Toledo	IA to NOAA/GLC Partnership	FFY25 Funding Transferred	1/28
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske* (Part 3-Implementation)	3a, 6, 14a	\$2,333,413	--	DU	IA to NOAA/DU Partnership	FFY22-24 Funding Transferred	12/27
SIC-13.1	Improvements to Nearshore Aquatic Habitat in the Lower Ottawa River (Part 2-Implementation)	3a, 6, 14a	\$2,600,000	--	City of Toledo (Parks)	GLRI via U.S. EPA	Funded (7/26)	12/28
26			\$34,052,794	\$2,220,009				

NEEDS FUNDING	Target BUI(s)	Funding Needed	Other Funding	Proposed Implementer	Proposed Funding Source	Funding Status	Funding Priority
ALL Projects Funded							
38		\$0	\$0				

NO GLRI-AOC (FA1) FUNDING REQUIRED, ALREADY FUNDED	Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete	Funded
varies	20 already funded Aquatic Biological MAPs	3, 6, 14a	--	varies	varies	19 of 20	all
		\$0	\$11,636,541				

^ = acquisition

^£ = acquisition or easement

* = concept plan

Estimated Total AOC GLRI Funds =	\$38,432,619	\$14,784,659	= Estimated Total Non-AOC GLRI Funds
Estimated Total Cost =	\$53,217,278		
Estimated Funding Needed =	\$0		
Estimated Percentage of Non-AOC Funds Leveraged =	27.8%		

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

Updated 6/15/25

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. These projects were completed 5/14/25. As of May 2025, the Maumee AOC has achieved 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	COMPLETE (GLRI via U.S. EPA)	6/22
2-16 & 3-16	Toussaint Parcel East and Toussaint Parcel West	242.4	\$2,297,000	--	DU, U.S. FWS	COMPLETE (GLRI via U.S. FWS)	9/22
4-16	Irwin upland site 5 (Griswold)	20.2	\$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)	38	\$261,668	--	ODNR-Forestry	COMPLETE (GLRI via U.S. EPA)	4/21
8-16	Maumee State Forest site 2 (Hight wetland & forest)	69.4	\$99,332	--	ODNR-Forestry, TNC	COMPLETE (GLRI via U.S. EPA)	4/21
9-16	Maumee State Forest site 3 (Hight upland & flatwoods)	92.5	\$95,000	--	ODNR-Forestry, TNC	COMPLETE (GLRI via U.S. EPA)	4/21
10-16	Irwin wet prairie site 3a (Neyland)	9.9	\$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
13-16	Navarre Unit of Ottawa National Wildlife Refuge	779	\$1,300,000	\$1,351,297	US FWS, DU	COMPLETE (GLRI to U.S. FWS, GLFWRA, H2Ohio)	12/23
14-16	Cedar Point National Wildlife Refuge Pool 2 (Gradel)	155	\$850,000	\$96,000	US FWS	COMPLETE (GLRI to U.S. FWS)	7/23
15-16	Oak Savannah Expansion at Secor Metropark	40.6	\$510,000	--	Metroparks	COMPLETE (GLRI via U.S. EPA)	12/22
22-17	Fox Property Restoration Project	38	\$51,340	--	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	\$880,000	ODNR-Wildlife, TNC, DU	COMPLETE (GLRI via NOAA, GLFWRA, SOGL)	9/19
23b-17	Restoring Coastal Wetlands at Toussaint State Wildlife Area Phase III	62	\$750,000	--	ODNR-Wildlife, DU	COMPLETE (NOAA/DU Partnership)	9/21
24-17	Penn 7 Wetland Restoration	59	\$2,954,619	--	City of Toledo, GLC	COMPLETE (NOAA/GLC Partnership)	1/23
25-17	Howard Marsh Phase 2	214	\$4,272,000	--	Metroparks, DU	COMPLETE (NOAA Partnership)	6/23
27-17	Kitty Todd Expansion	320.1	\$1,400,000	\$3,545,700	TNC, Metroparks	COMPLETE (GLRI via U.S. EPA passthru OEPA, WRRSP)	2/22
28-17	Maumee State Forest Expansion	145.1	\$1,369,500	\$328,135	ODNR-Forestry	COMPLETE (GLRI via U.S. EPA)	5/25
29-17	Maumee Bay State Park Coastal Wetland	137	\$500,000	\$2,200,000	ODNR-Wildlife, Parks	COMPLETE (GLRI via U.S. EPA, H2Ohio)	12/22
		3517.0	\$19,332,759	\$8,401,132			

FUNDED (In Progress)	Project Acreage	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Estimated Complete
ALL Projects Completed						

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

3517.0	= Total Acres of Recommended MAPs
3427.0	= BUI 14b Target Acreage
90.0	= Acres in Excessive of BUI Restoration Target*

Estimated Total AOC GLRI Funds	=	\$19,332,759	\$8,401,132	= Estimated Total Non-AOC GLRI Funds
Estimated Total Cost	=	\$27,733,891		
Estimated Funding Needed	=	\$0		

Estimated Percentage of Non-AOC Funds Leveraged	=	30.3%
Estimated Cost per Acre to Achieve Target**	=	\$8,092.76

* 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 8/12/26

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.

Project Site	Task/Description	Planning / Needs Funding	In Progress	Complete
Ottawa River <i>(Reaches 1 - 4 area)</i>	Remedy Confirmation Study - Reach 1			Complete (2019)
	Decision Document - Reach 1			Complete (6/26)
	Remedy Effectiveness Study - Reach 2-4		In Progress	
	Area 4y Sampling for Extent of PCBs			Complete (1/23)
	Area 4y/4x Characterization/PDI			Complete (2/26)
	Area 4y/4x Feas. Study/Remedial Design		In Progress	
	Area 4y/4x Remedial Action/Construction	Needs Funding		
	Remedy Effectiveness Study - Reach 4y/4x	Needs Funding		
Halfway, Silver, Shantee Creeks	Decision Document - Reach 2-4	Needs Funding		
	Field verification of conditions			Complete (11/20)
Swan Creek (RM 4-0) <i>(Phase 1 & 2 area)</i>	Decision document (NFA)			Complete (7/21)
	SLERA			Complete (2019)
	Data Gap Investigation			Complete (8/22)
	Feasibility Study		PAUSED (2024)	
	Value Engineering Study			Complete (4/24)
	Preliminary Design Investigation (w/106)		PAUSED (2024)	
	Remedial Design	Needs Funding		
	Remedial Action/Construction	Needs Funding		
Maumee River - Upstream <i>(Phase 1 area)</i>	Remedy Effectiveness Study	Needs Funding		
	Decision document	Needs Funding		
	SLERA			Complete (2019)
	Decision document (NFA)			Complete (10/21)
Maumee River - Sway Bridge <i>(within Phase 2 area)</i>	SLERA			Complete (2019)
	Data Gap Investigation			Complete (8/22)
	Feasibility Study			Complete (10/23)
	Pre-Design Investigation/Remedial Design			Complete (10/26)
	Remedial Action/Construction		In Progress	
	Remedy Effectiveness Study	Needs Funding		
	Decision document	Needs Funding		
Maumee River - WWTP <i>(within Phase 2 area)</i>	SLERA			Complete (2019)
	Data Gap Investigation			Complete (8/22)
	Feasibility Study			Complete (10/23)
	Pre-Design Investigation/Remedial Design		In Progress	
	Remedial Action/Construction	Needs Funding		
	Remedy Effectiveness Study	Needs Funding		
	Decision document	Needs Funding		
Otter Creek	Remedial Design			Complete (2020)
	Remedy/Restoration Baseline Study			Complete (2020)
	Remedial Action/Construction			Complete (2021)
	Remedy Effectiveness Study		In Progress	
	Restoration Effectiveness Study		In Progress	
	Decision document	Needs Funding		
Duck Creek	SLERA			Complete (2018)
	Decision document (NFA)			Complete (2019)

Cost Share Projects

Project name (Site name)	Funding Source	Funding Status	Lead Implementer	AOC GLLA Funding	Non-Federal Funding	Added to PA
Cullen Park Flow Through Wetland (MB-2.0)	H2Ohio (SFY20-Phase 1)	Complete (2021)	Toledo-Lucas Co Port Authority	-	\$203,429.00	Oct. 2020
Grassy Island Flow Through Wetland	H2Ohio (SFY20-Phase 1)	Complete (2021)	Toledo/Lucas Co Port Authority	-	\$531,629.57	Oct. 2020
Maumee Bay State Park (29-17)	H2Ohio (SFY20-Phase 1)	Complete (2022)	TNC	-	\$2,200,000.00	Oct. 2020
Ottawa NWR Nearshore Habitat Restoration(CrC-4.0)	H2Ohio (SFY20-Phase 1)	Complete (2023)	Ottawa SWCD	-	\$445,470.00	Oct. 2020
Turtle Creek Bay (Magee Marsh) Reconnection (TuC-20.0)	H2Ohio (SFY20-Phase 1)	Complete (2022)	Erie SWCD	-	\$318,885.05	Oct. 2020
Oak Openings Preserve Metropark Wetland Expansion	H2Ohio (SFY20-Phase 1)	Complete (2022)	Metroparks Toledo	-	\$867,000.00	Oct. 2020
VanOrder Woodland and Wetland Restoration	H2Ohio (SFY20-Phase 1)	Complete (2022)	ODNR - Forestry	-	\$260,658.32	Oct. 2020
Navarre Marsh Wetland Restoration and Reconnection	H2Ohio (SFY20-Phase 1)	Complete (2024)	Ducks Unlimited	-	\$1,312,165.25	Oct. 2020
Mallard Club Wildlife Area Wetland Connection	H2Ohio (SFY20-Phase 2)	Complete (2026)	Ducks Unlimited	-	\$796,430.83	June 2021
Clark Island Habitat Restoration Project <i>(Phase 1: E&D only)</i>	H2Ohio (SFY21-Phase 3)	Complete (2023)	Toledo/Lucas Co Port Authority	-	\$599,539.97	June 2021
Duck Creek Wetland and Stream Restoration	H2Ohio (SFY21-Phase 3)	Complete (2023)	Toledo/Lucas Co Port Authority	-	\$1,800,000.00	June 2021
Toussaint Shooting Club Reconnections	H2Ohio (SFY21-Phase 3)	Complete (2025)	Ottawa SWCD	-	\$2,332,089.00	June 2021
Maumee River Shoreline Acquisition	Metroparks Toledo General Fund	Complete (2021)	Metroparks Toledo	-	\$1,833,350.85	June 2021
Oak Openings Preserve Metropark Wetland Expansion (PART 2 of CS-13)	Clean Ohio Fund District 12 (SFY20)	Complete (2022)	Metroparks Toledo	-	\$483,624.84	June 2021
Oak Openings Corridor Swamp Forest Protection <i>(Reed)</i>	Clean Ohio Fund District 12 (SFY21)	Complete (2023)	Metroparks Toledo	-	\$588,715.83	June 2021
Ravine Park Acquisition and Restoration <i>(Garfield Greenway)</i>	Clean Ohio Fund District 12 (SFY21)	Complete (2024)	Metroparks Toledo	-	\$234,561.23	June 2021
Swan Creek Preserve Expansion	Clean Ohio Fund District 12 (SFY21)	Complete (2025)	Metroparks Toledo	-	\$140,269.00	June 2021
Ford Ditch Two-Stage Ditch Restoration	H2Ohio (SFY21-Phase 5)	In Progress	Lucas Co Engineers Office	-	\$636,345.00	Oct. 2022
Univ of Toledo Foundation CADE Wetland and Stream Restoration	H2Ohio (SFY21-Phase 5)	Complete (2024)	UT Foundation	-	\$2,229,180.00	Oct. 2022
Ottawa NWR Expansion - Lickert Tract	H2Ohio (SFY21-Phase 5)	not viable	TNC	-	\$1,364,000.00	Oct. 2022
Clark Island Habitat Restoration Project <i>(Phase 2: Impementation only)</i>	H2Ohio (SFY23)	In Progress	Toledo/Lucas Co Port Authority	-	\$8,166,000.00	Nov 2024
Detwiler Ditch Stream Improvement	H2Ohio (SFY26)	In Progress	City of Toledo	-	\$400,000.00	June 2026
Delaware Creek Terraced Rain Garden Adaptive Management Activities	H2Ohio (SFY23)	Complete (2023)	TMACOG	-	\$85,600.00	June 2026
Wolf Creek Stream Restoration at Oregon Recreation Complex	H2Ohio (SFY23)	Complete (2024)	City of Oregon	-	\$104,339.00	June 2026
Hill Ditch Restoration	H2Ohio (SFY24)	Complete (2025)	Toledo Public Schools	-	\$100,000.00	June 2026
Buttonwood Park Restoration	H2Ohio (SFY26)	In Progress	Black Swamp Conservancy	-	\$440,000.00	June 2026
Bandore Park Stream Restoration	H2Ohio (SFY24)	In Progress	City of Toledo	-	\$285,000.00	June 2026
Behnke Farm Wetland Restoration and Water Quality	H2Ohio (SFY25)	Complete (2025)	DU	-	\$94,760.00	June 2026
Meinke Wetland Restoration and Water Quality	H2Ohio (SFY25)	Complete (2025)	DU	-	\$58,000.00	June 2026
Apling Verb Water Quality Improvement	H2Ohio (SFY24)	In Progress	Ottawa SWCD	-	\$248,000.00	June 2026
Headwaters Tenmile Creek Stream Improvement (Shull)	H2Ohio (SFY25)	In Progress	Lucas SWCD	-	\$600,000.00	June 2026
Williams Ditch Wetland Restoration	H2Ohio (SFY24)	In Progress	Chagrin Rivers Watershed Partners	-	\$801,350.00	June 2026
Wire Grass Herpetofauna Restoration	H2Ohio (SFY23)	Complete (2024)	TNC	-	\$395,000.00	June 2026
Toussaint Creek: Schiller Site Restoration	H2Ohio (SFY25)	In Progress	TNC	-	\$200,000.00	June 2026
Minier Unit Wetland Restoration and Water Quality	H2Ohio (SFY26)	In Progress	DU	-	\$697,934.00	June 2026
Thomas Wetland Restoration and Water Quality (Acquisition Phase)	H2Ohio (SFY24)	Complete (2024)	ODNR - Div of Forestry	-	\$328,135.00	June 2026
Thomas Wetland Restoration and Water Quality (Implementation Phase)	H2Ohio (SFY26)	In Progress	ODNR - Div of Forestry	-	\$450,000.00	June 2026
Headwaters Tenmile Creek Wetland & Riparian Enhancement (Durbin)	H2Ohio (SFY27)	In Progress	Lucas SWCD	-	\$1,250,000.00	June 2026
Cooke Wetland Agricultural Runoff Treatment System	H2Ohio (SFY27)	In Progress	Ottawa SWCD	-	\$100,000.00	June 2026
Ottawa Natl Wildlife Refuge Coastal Wetland Reconnections (Goose Pen)	H2Ohio (SFY27)	In Progress	DU	-	\$1,400,000.00	June 2026

\$34,017,461.74

Dry Creek Ecological & Riparian Project for Maumee AOC (MAP CEC-6.0)



Greg Buhoveckey, PE – Project Manager, MSG

Josh Belknap, PE, PS – Wood County Engineer's Office

Project Funding:

- Federal Grants from the Great Lakes Restoration Initiative (GLRI)
- Administered by the Ohio EPA

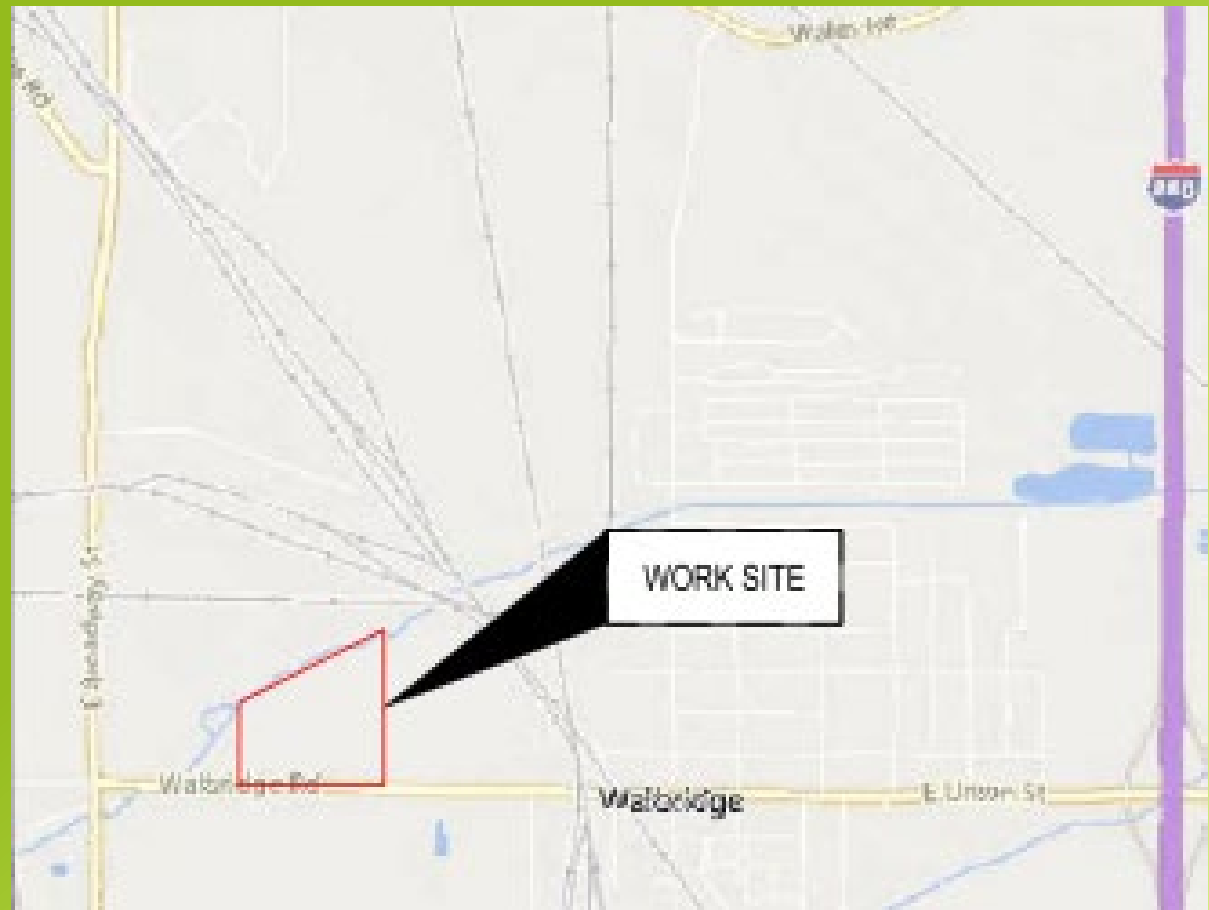
Project Partners:

- The Village of Walbridge, Ohio
- Wood County Engineer's Office
- Wood County Park District
- Ohio EPA



Project

- 34.2-acre site
- 1,480 linear feet of Dry Creek
- Project area is approximately nine acres
- Three gas pipelines cross the project area
- Parcel is historically farmed and is a source of tax revenue for the Village



Project Site

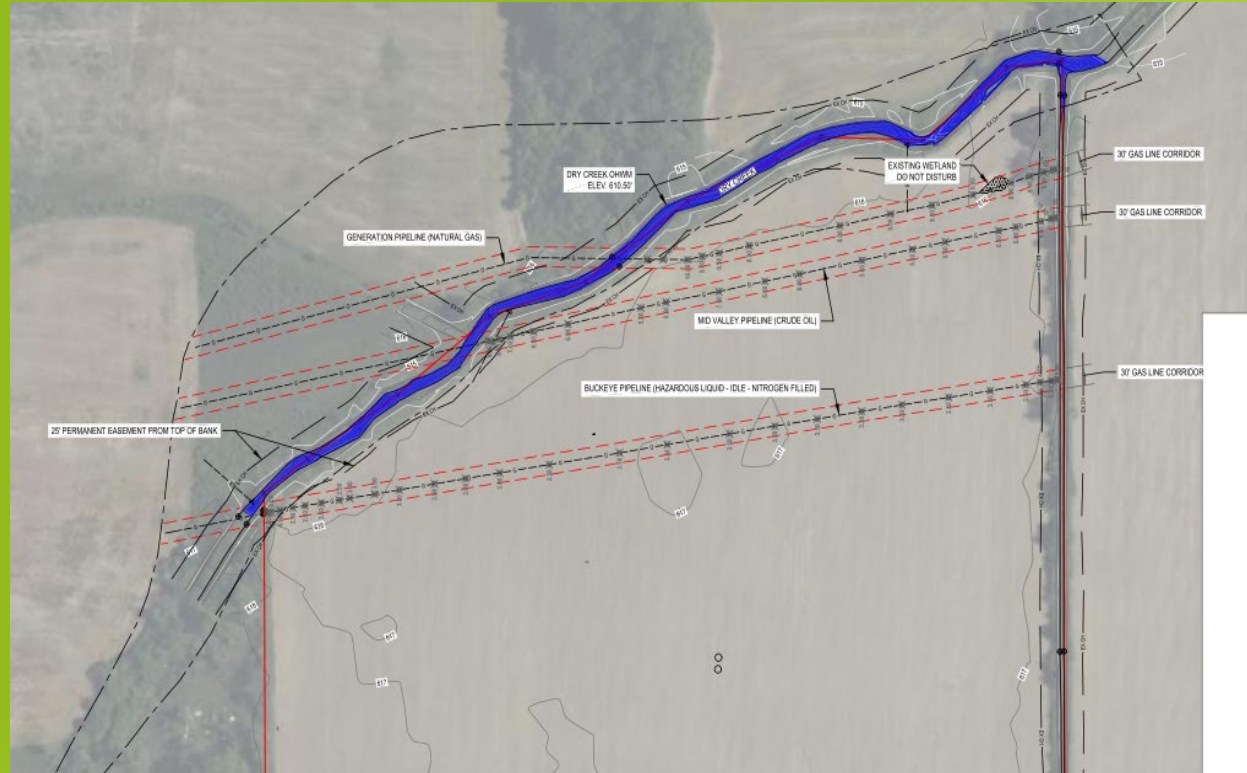
Problem

- Poor water quality
- Heavy siltation
- Very steep banks / erosion
- Poor fish and macroinvertebrate habitat
- Invasive plant species
- Excessive woody debris clogging the waterway and causing erosion



Challenges

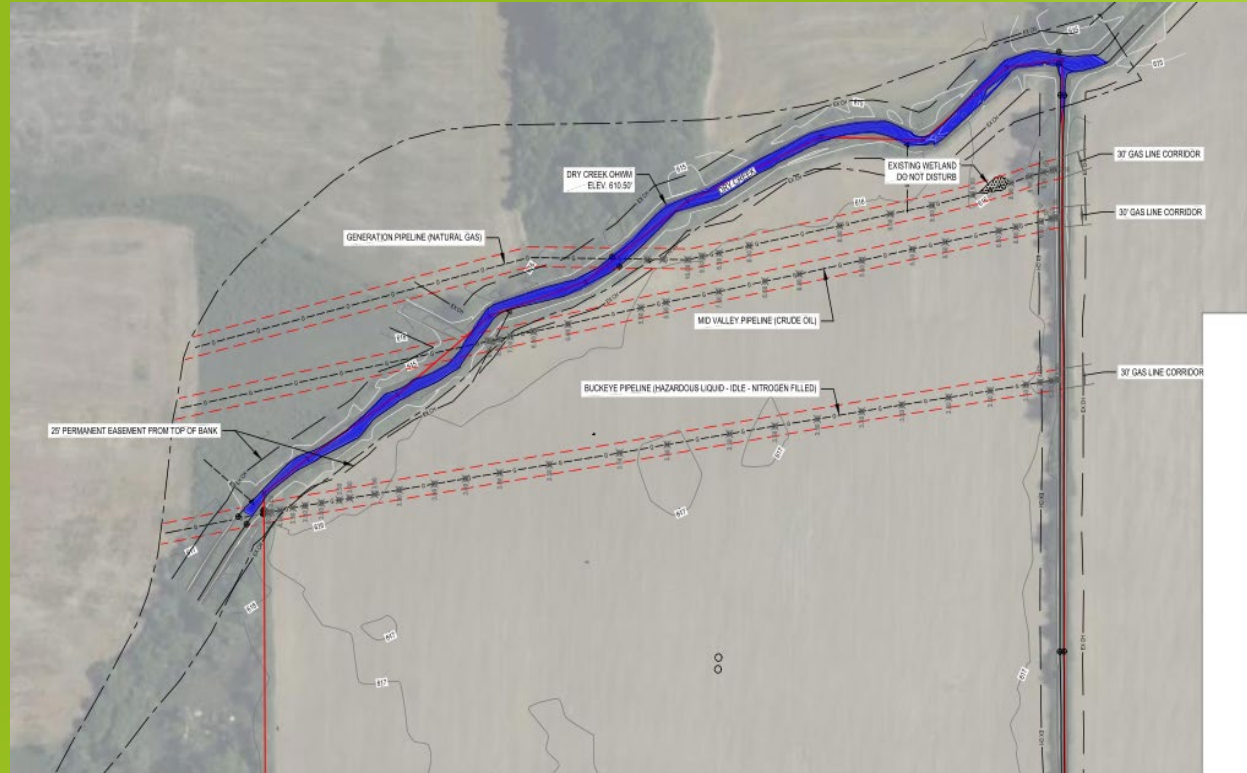
- Three gas pipelines
- Blanket easement on the entire parcel by Buckeye Pipeline
- Generation Pipeline (Natural Gas)
- MidValley Pipeline (crude oil)
- Buckeye Pipeline (hazardous liquid)
- Compliance with all three gas pipeline entities' requirements for work within the easement – and they are all different



Do we even have a project here?

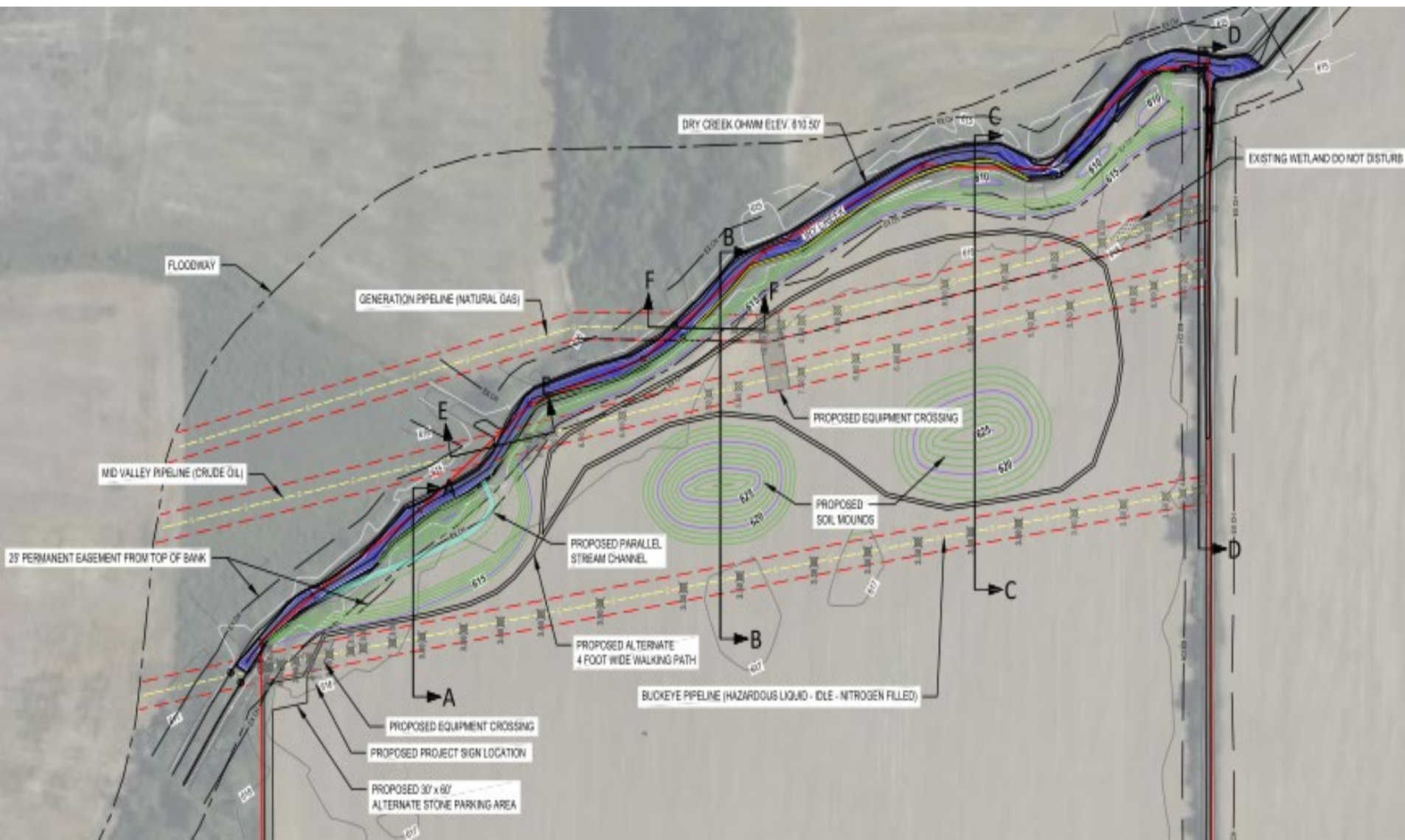
Challenges

- Restrict project area to northerly portion
- Source of Village revenue
- Must retain onsite farming
- Long term maintenance and upkeep
- “Ditch Maintenance” by the county – legal issues
- Construction schedule and planting seasons



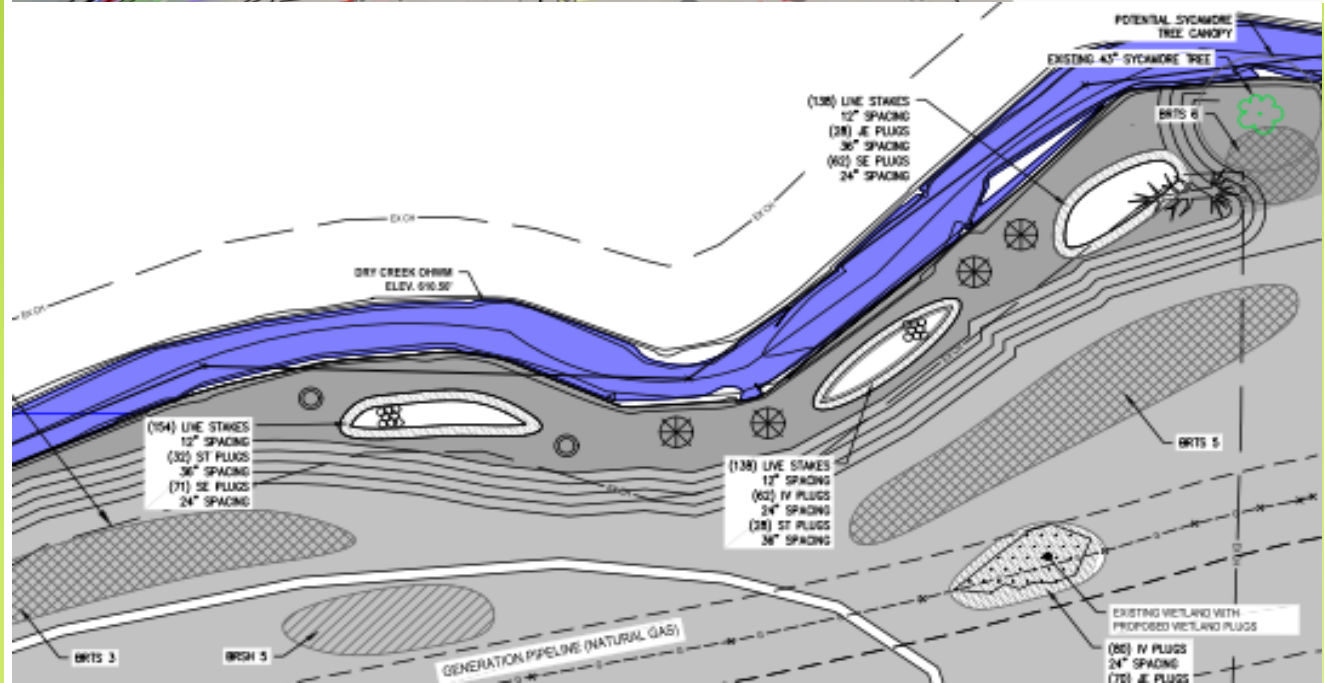
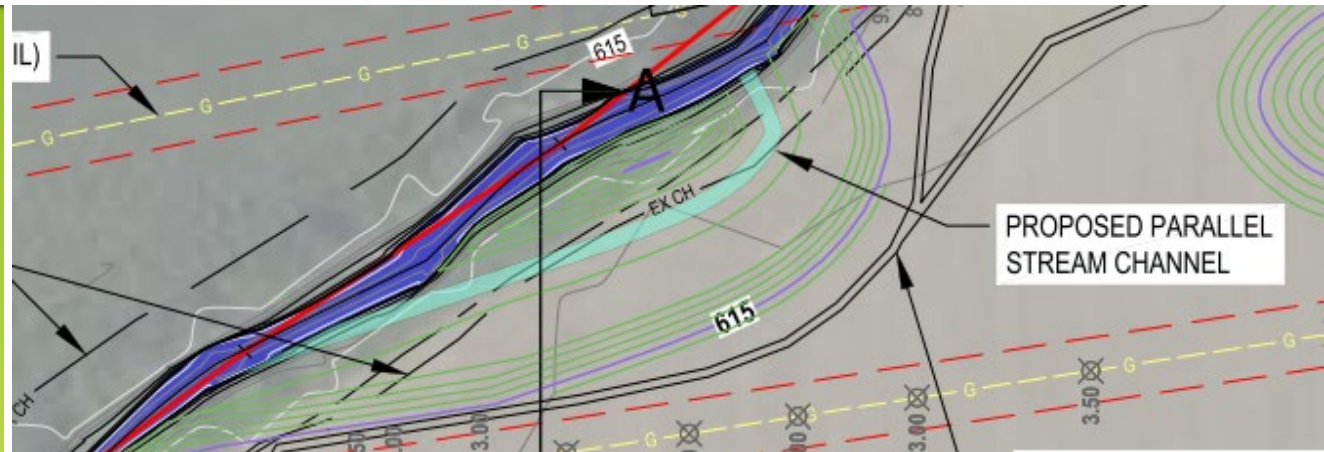
Plenty of GOOD reasons to abandon this site
and do a project elsewhere

The Project Moves Forward!



Features

- Parallel stream channel
- Walking path
- Upland (soil mounds)
- Vernal pools
- Stone access drive
- Vehicle parking area



Construction – Fall 2025 to Summer 2026

Project bid in fall 2025

Tree removal

- Completed by others under separate contract as to meet the construction schedule.

Mobilization to site in late 2025

Obtain live stakes in fall 2025 cold storage for winter

Earth moving in winter 2026

Plant live stakes while dormant

Spring planting season 2026



Existing Wetland Before & After



Construction June 2026



Construction & Growing Season



Growing Season August 2026



Contacts



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