

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

Updated 1/29/24

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	COMPLETE (GLRI via U.S. EPA)	6/22
2-16 & 3-16	Toussaint Parcel East and Toussaint Parcel West	0	\$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	\$888,000	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
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
		3129.5	\$17,963,259	\$8,080,997			

FUNDED (In Progress)		Project Acreage	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Estimated Complete
28-17	Maumee State Forest Expansion	152	\$1,369,500	--	ODNR-Forestry	Funded (GLRI via U.S. EPA)	5/25
		152.0	\$32,520,718	\$16,161,994			

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

3281.5	= Total Acres of Recommended MAPs
3427.0	= BUI 14b Target Acreage
145.5	= Remaining Acres that Need to be Identified*

Estimated Total AOC GLRI Funds	=	\$50,483,977	\$24,242,991	= Estimated Total Non-AOC GLRI Funds
Estimated Total Cost	=	\$74,726,968		
Estimated Funding Needed	=	\$0		

Estimated Percentage of Non-AOC Funds Leveraged	=	32.4%
Estimated Cost per Acre to Achieve Target**	=	\$21,805.36

* 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 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	Project Status	Date 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	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
			\$1,255,500	\$0				

FUNDED (In Progress)/FUNDING being PROCESSED		Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Project Status	Estimated Complete
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)	9/24
HTC-2.0	Headwaters Tenmile Creek Stream & Riparian Restoration ^{£*}	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	\$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)	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	\$85,000	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	\$100,000	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	\$679,610	City of Toledo (TES)	GLRI via U.S. EPA	Funded (10/21)	6/25
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	Funded (9/22)	12/24
HTC-12.2	Stream Restoration at Lathrop Park*	14a, 6	\$450,000	--	Partners for Clean Streams	GLRI via U.S. EPA passthru OEPA	Funded (9/22)	3/26
CeC-1.0	Nature Trails Park Riparian Restoration and Wetland Creation*	14a, 6, 3a	\$337,000	--	City of Northwood	GLRI via U.S. EPA	Funded (9/22)	6/25
DC-2.0	Delaware Creek Park Restoration: Phase II	6, 14a	\$500,000	\$33,784	City of Toledo (TES)	GLRI via U.S. EPA	Funded (9/22)	12/25
UBC-13.0	Maumee State Forest Blue Creek Stream Restoration (Hight) *	14a	\$668,000	--	The Nature Conservancy	GLRI via U.S. EPA passthru ODNRFst)	Funded (7/22)	9/25
LTC-1.0	Schiller Stream and Riparian Improvements*	14a, 3a, 6	\$678,000	--	U.S. FWS	IA GLRI to U.S. FWS	Funding Transferred	TBD
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)	12/25
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)	12/25
LBC-17.1	Blue Creek Restoration at Blue Creek Metropark*	14a	\$550,000	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (9/22)	9/25
AC-3.0	Neis Ditch Stream Restoration^?	14a, 6, 3a	\$400,000	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (9/22)	9/25
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	--	Metroparks Toledo	GLRI via U.S. EPA	Funded (4/22)	9/25
DD-7.0	Detwiler Park Stream Restoration*	6, 3a, 14a	\$1,000,000	--	City of Toledo (TES)	GLRI via U.S. EPA	Funded (9/22)	4/25
CrC-5.0	Crane Creek Lacustuary Wetland Restoration	14a, 3a, 6	\$1,500,000	--	U.S. FWS	IA GLRI to U.S. FWS	Funding Transferred	TBD
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	Funded (9/22)	TBD
HDSC-4.0	UTMC Swan Creek Restoration*	6, 14a	\$570,000	--	University of Toledo	IA to NOAA/GLC Partnership	Funded (9/22)	TBD
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)	4/26
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske* (Part 2-E&D)	3a, 6, 14a	\$1,775,000	--	DU	IA to NOAA/DU Prtnrshp	Funding Transferred	TBD
			\$30,476,660	\$990,054				

NEEDS FUNDNG		Target BUI(s)	Funding Needed	Other Funding	Proposed Implementer	Proposed Funding Source	Funding Status	Funding Priority
<i>Pending FFY24</i>								
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske* (Part 3-Implementation)	3a, 6, 14a	\$1,149,015	--	U.S. FWS, DU	IA to NOAA/DU Prtnrshp	Awaiting Allocation	1
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	1
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	Awaiting Allocation	1
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 (TES)	GLRI via U.S. EPA	Awaiting Allocation	2
			\$4,464,515	\$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	--	\$12,022,186	varies	varies	17 of 20	all
			\$0	\$12,022,186				

^ = acquisition
 ^£ = acquisition or easement
 * = concept plan

Estimated **Total AOC GLRI Funds** = \$36,196,675 + \$13,012,240 = Estimated **Total Non-AOC GLRI Funds**
 Estimated **Total Cost** = \$49,208,915
 Estimated **Funding Needed** = \$4,464,515