

Maumee AOC Aquatic Biological Management Action Projects (AquaMAPs) List

Updated 5/7/20
revised

Maumee AOC MAAC Recommended Management Action Project List for Aquatic Biological BUIs (3a, 6, 14a)

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 7/29/2020. BUI 3b is not impaired and BUI 14b has all mgmt. actions being implemented. Once this list of projects is implemented the BUI 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.

BUI Addressed	*MAP/Location ID #	Management Action	Project Summary	Other Funding (Leveraged/Match)	AOC GLRI Funding	Funding Source	Funding Request Date (FFY)
AOC GLRI FUNDED NEEDED							
6, 3a	AOC-2.0	Fish and Benthos Improvements with Urban Chloride Reductions	Phase 1 goals include amending several applicable NPS-IS Plans to identify Chloride Reduction Critical Areas, developing an adaptive GIS re. public versus private aspects of the issue, identifying viable strategies to reduce Chloride, and identifying promising areas for local policy development.		\$264,261	USEPA GLRI-AOC (FA1)	2021
6, 14a, 3a	HTC-2.0	Headwaters Tenmile Creek Stream & Riparian Restoration	Goals include stabilizing 1,200 feet of eroding streambank, creating 40 feet of riffle habitat, enhancing approximately 1 acre of existing riparian buffer, and restoring approximately 1.5 acres of riparian buffer.		\$505,000	USEPA GLRI-AOC (FA1)	2021
14a, 6	HTC-12.0	Instream and Riparian Projects in Headwaters Tenmile Creek (TBD)	Recommendations could include ditch improvements (two-stage) and/or instream and riparian restoration in the riverine and riverine headwater portions of Tenmile Creek.		\$500,000	USEPA GLRI-AOC (FA1)	2021
14a, 6	PD-5.0	Prairie Ditch Restoration at Secor Park: North of Visitor's Center	Goals include the restoration of 1,200 feet of instream habitat, bank stabilization, floodplain expansion, and re-establishment of woody vegetation along the stream.		\$150,000	USEPA GLRI-AOC (FA1)	2020
14a, 6	PD-6.0	Prairie Ditch Two-Stage and Floodplain Planting: Secor Park Expansion, Phase II	Goals include 1,000 feet of stream and floodplain restoration by installing a two-stage ditch in areas where there is no existing vegetation and planting trees and shrubs along those banks.		\$160,000	USEPA GLRI-AOC (FA1)	2020
6, 14a	HDOR-9.0	Hill Ditch Restoration at Toledo Natural Science Technology Center	Goals include enhancing 700 feet of stream habitat and riparian restoration by increasing stream sinuosity, bank stabilization, and improving 650 feet (0.6 acre) of riparian buffer.		\$250,000	USEPA GLRI-AOC (FA1)	2020
14a, 6	HDOR-13.0	Hill Ditch Restoration at Paisley Park	Primary goal is the enhancement of aquatic habitat in a 1,300-foot section of Hill Ditch through stream bank/bed stabilization.	\$130,000	\$130,000	US EPA GLRI-AOC (FA1), City of Toledo	2021
3a, 6, 14a	SIC-3.0	Restoration of the Ottawa River within Jermain Park	Goals include the creation of 2.7 acres of wetland, stabilization of 2,300 feet of eroding streambank, creation of 50 feet of riffle habitat, and enhancement of 750 feet (1.5 acres) of riparian buffer.		\$600,000	USEPA GLRI-AOC (FA1)	2021
3a, 6, 14a	SIC-13.0	Instream and Riparian Projects in the Lacustrary of Ottawa River (pending - sampling results)	Once data from an upcoming sampling event are collected/evaluated, and assuming any impairments remain, the Subcommittee will target proposed restoration projects to more effectively address BUIs in the lacustrary portion of the River.		\$3,000,000	USEPA GLRI-AOC (FA1)	TBD within 1 yr of data
6, 3a, 14a	DD-7.0	Detwiler Park Municipal Golf Course Improvements	Goals along a 1-mile stretch of the stream include the creation of instream habitat, improvements to ponds/conversion to wetland, removal of accumulated sediments in stream and ponds, and restoration or reconnection to of waterbodies to the floodplain.		\$1,000,000	USEPA GLRI-AOC (FA1)	2021
14a, 6	FC-8.0	Instream and Riparian Projects in the Riverine Headwaters of the Fewless Creek HU (TBD)	Project recommendations could include ditch improvements (two-stage) and/or other instream and riparian restoration in the riverine headwater portions of Fewless Creek.		\$200,000	USEPA GLRI-AOC (FA1)	TBD by 12/2020
14a, 6, 3a	AC-3.0	Neis Ditch Stream Restoration	Primary goal is the restoration of 700-800 linear feet of Neis Ditch through bank stabilization to be followed by native tree/shrub planting.		\$400,000	USEPA GLRI-AOC (FA1)	2020
14a	UBC-13.0	Maumee State Forest Blue Creek Stream Restoration	Goals include the regrading/vegetating of 2,500 feet of incised streambank, installation of root wads and bendway weirs, restoration of 1.3 acres of wetland, and restoration of 2,500 feet (2.9 acres) of riparian buffer.		\$668,000	USEPA GLRI-AOC (FA1)	2021
14a	UBC-15.0	Instream and Riparian Projects in the Riverine Headwaters of the Upper Blue Creek HU (TBD)	Project recommendations could include ditch improvements (two-stage) and/or other instream and riparian restoration in the riverine headwater portions of Upper Blue Creek.		\$500,000	USEPA GLRI-AOC (FA1)	TBD by 12/2020
14a	LBC-17.0	Instream and Riparian Projects in the Lower Blue Creek HU (TBD)	Project recommendations could include ditch improvements (two-stage) and/or other instream and riparian restoration in the riverine and riverine headwater portions of Lower Blue Creek.		\$500,000	USEPA GLRI-AOC (FA1)	TBD by 12/2020
6, 14a	HDSC-4.0	UTMC Swan Creek Restoration	Goals include the stabilization of 1,700 feet of eroding streambank, installation of flocked logs, bendway weirs and hydraulic cover stones, and installation of 50 feet of riffle habitat.		\$508,000	USEPA GLRI-AOC (FA1)	2022
6, 14a	DC-2.0	Delaware Creek Park Restoration: Phase II	Primary goal is erosion control at a stormwater outfall; management actions may include bank filling, recontouring and/or adding a bench in the bank, and/or installing a vegetated concrete block mat to protect the area while allowing for infiltration and vegetation growth.		\$500,000	USEPA GLRI-AOC (FA1)	2022
3a, 14a, 6	MR-14.0	Restoration Projects in Maumee RMs 15 to 7 (pending-in development)	Projects will potentially include the addition of woody debris, dikes and/or wooden palisades, sediment dredging, river training, island preservation and/or accretion, and/or plantings of submerged aquatic vegetation in the Maumee River from RM 7-15.		\$9,000,000	USEPA GLRI-AOC (FA1)	2021
14a, 6, 3a	OC-3.2	Berlin Avenue Floodplain and Stream Improvements	Goals include the restoration and preservation of 2,200 linear feet of Otter Creek floodway by increasing instream and riparian cover, and capturing storm water runoff and associated sediment before it enters Otter Creek.		\$557,136	USEPA GLRI-AOC (FA1)	2023
14a, 6, 3a	OC-3.3	Taylor Rd. and Yarrow St. Floodplain and Stream Improvements	Goals include the restoration of vernal pool/riparian wetland habitat, improvement of instream cover, enhancement of 900 linear feet of riparian buffer, and stormwater runoff capture from a 31-acre sewershed.		\$690,000	USEPA GLRI-AOC (FA1)	2023
14a, 3a, 6	OC-5.0	Collins Park Municipal Golf Course Improvements on Duck Creek	Goals may include regrading/creating streambank benches in stream reaches between culverts and/or creation of a wetland channel (shallow, meandering, vegetated) in the 2.5-acre area at the upstream end of Duck Creek.		\$700,000	USEPA GLRI-AOC (FA1)	2021
14a, 6	BD-2.0	Stream Restoration at Oregon Recreational Complex	Goals include regrading/vegetating 5,300 feet of incised streambank, improving sinuosity along 1,600 feet of channel, restoring ~3.5 acres of floodplain habitat, and installing 3,000 feet (2.5 acres) of riparian buffer.		\$1,344,000	USEPA GLRI-AOC (FA1)	2021
14a, 6, 3a	CeC-1.0	Nature Trails Park Riparian Restoration and Wetland Creation	Goals include stabilizing 1,400 feet of eroding streambank, installing longitudinal peaked stone protection, locked logs and bendway weirs, creating 50 feet of riffle habitat, and creating 350 feet (0.45 acre) of riparian buffer.		\$357,000	USEPA GLRI-AOC (FA1)	2020
14a, 6, 3a	CeC-4.0	Waste Management Instream and Riparian Restoration	Primary goals include creating benches (two-stage ditch) along ~650 linear feet of Dry Creek, adding flow length/sinuosity to the Creek, adding cobble/substrate within the Creek, and planting native vegetation within riparian areas.		\$500,000	USEPA GLRI-AOC (FA1)	2020
14a, 6, 3a	CeC-6.0	Dry Creek Ecological Design and Demonstration Project	Initial project goals include the creation of benches (two-stage channel) along 1,500 feet Dry Creek, possible stream channel expansion, and the creation of wetland complexes in the associated floodplain.		\$580,000	USEPA GLRI-AOC (FA1)	2020
14a, 3a, 6	CrC-5.0	Crane Creek Lacustrary Wetland Restoration	Goal is the restoration of up to 300 acres of lacustrine wetland habitat; requested funding would pay for prerequisite hydrological modeling, permitting, and engineering & design as well as implementation and construction.		\$1,500,000	USEPA GLRI-AOC (FA1)	2022
14a, 6	CrC-9.0	Instream and Riparian Projects in the Riverine and Riverine Headwaters of Crane Creek (TBD)	Project recommendations could include ditch improvements (two-stage) and/or other instream and riparian restoration in the riverine and riverine headwater portions of Crane Creek.		\$500,000	USEPA GLRI-AOC (FA1)	TBD by 12/2020

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14a, 6, 3a	TuC-2.0	Turtle Creek North Nissen Road Restoration	Goals include regrading/stabilizing 1,100 feet of incised streambank, improving stream sinuosity and installing in-stream cover, creating 50 feet of riffle habitat, and creating 0.75-acre of floodplain wetland.		\$787,000	USEPA GLRI-AOC (FA1)	2021
14a, 3a, 6	TuC-17.0	Wetland Enhancement in the Riverine of Turtle Creek	Goals are to reduce sediment loading to Turtle Creek and improve the overall aquatic habitat quality of the parcel through the rerouting of a drainage ditch and wetland creation/enhancement (~10 acres).		\$302,325	USEPA GLRI-AOC (FA1)	2020
14a, 3a, 6	TuC-18.0	Oxbow Channel Addition & Wetland Enhancement/Reconnection in the Lacustrary of Turtle Creek	Goals include enhancing 17 acres of wetland habitat, increasing connectivity to floodplain between the creek and adjacent wetlands, creating 1,730 feet of backwater habitat, and creating a diversity of wetland types and a nursery environment for fish.		\$3,300,000	USEPA GLRI-AOC (FA1)	2022
14a	PC-2.0	Packer Creek Stream Restoration near Genoa-State Route 163	Goals include regrading/vegetating 13,000 feet of incised streambank, improving sinuosity for 9,900 feet of channel, and installing 13,000 feet (90ft wide, 16 acres) of riparian buffer.		\$3,444,000	USEPA GLRI-AOC (FA1)	2021
14a	PC-6.0	Packer Creek Stream and Riparian Restoration	Goals include enhancing ~900 linear feet of riparian and instream habitat by increasing sinuosity, deepening existing pools and adding woody debris, grading the stream bank (2:1 or 3:1 grade), and installing a 150 ft riparian buffer and a 25 ft native grass buffer.		\$278,500	USEPA GLRI-AOC (FA1)	2021
14a, 3a, 6	LTC-1.0	Schiller Stream and Riparian Improvements	Goals include stabilizing 1,800 feet of eroding streambank, installing locked logs, hydraulic cover stones, and bendway weirs, enhancing of 2.8 acres of wetland with additional plantings, and restoring 730 feet (0.65 acre) of riparian buffer.		\$678,000	USEPA GLRI-AOC (FA1)	2021
3a, 6, 14a	LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske	Goals include restoring 25 acres of wetland habitat, creating a diversity of wetland types/nursery habitat for fish, increasing connectivity between Toussaint & adjacent wetlands, & conducting dike repair/installing a new pump for water level mgmt.		\$3,000,000	USEPA GLRI-AOC (FA1)	2021
				\$130,000	\$37,353,222		
OTHER FUNDING SECURED							
14a, 6, 3a	AOC-1.1	Agricultural Best Management Practices (BMP) Programs	The Conservation Reserve Program and Lake Erie Conservation Reserve Enhancement Program are agricultural conservation programs that are expected to contribute to improved habitat, fish, and benthos scores in the agricultural regions of the AOC.	n/a		CRP/CREP	2020
14a	HTC-8.0	Headwaters Tenmile Creek Agricultural BMP Incentive Program	This cost-share program includes the opportunity for private landowners to install grass filter strips (5 acres in total), forested riparian buffers (5 acres in total), prairie buffers, and/or water control and erosion structures.	\$86,003		Ohio EPA 319 NPS Program	2019
14a	HTC-9.0	Oak Savanna along Tenmile Creek – CRP Program	Primary project goal is the installation of a 38-acre Oak Savanna along Headwaters Tenmile Creek; the Oak Savanna will cover both sides of the open ditch.	\$41,889		CRP	2020
14a	PD-7.0	Prairie Ditch Two-Stage and Floodplain Planting: Secor Park Expansion, Phase II	Goals include the restoration of 1,300 feet of stream and associated floodplain by installing a two-stage ditch in areas where there is no existing vegetation and planting trees and shrubs along those banks.	\$200,000		WRRSP	2020
14a, 6, 3a	TC-2.0	Tenmile Creek Flood Mitigation and Stream and Riparian Corridor Restoration Project	Goals include the restoration of 1.6 miles of stream by installing a two-stage ditch along the length of the project area and conducting sediment removal and fish habitat installations in key locations.	\$1,891,355		Ohio EPA GLRI (FA3) subaward, Lucas Co. Storm Water Utility	2017
14a, 6	HDOR-14.0	Smith/Hill Ditch Overwide Stream Restoration	Goals include the conversion of 1,900 feet of traditional ditch into a two-stage channel and improvement (channel widening/slope flattening) of another 400 feet. Stream benches will also be planted with tall grasses and native vegetation.	\$295,400		Lake Erie Comm. GLRI (FA3) subaward	2019
6, 14a	HDOR-15.0	Zinc Ditch Stream Restoration	Goals include the restoration of 1,600 feet of stream channel through the installation of instream habitat, construction of two-stage ditch, planting of 1.5 acres of native grasses/trees in riparian areas, and removal of 1.15 acres of invasive species.	\$680,350		Ohio EPA 319 NPS Program	2019
14a, 6, 3a	DD-3.1	Detwiler Park Restoration Project	Goals include the creation of ~25 acres of riparian wetland, construction of 750 feet of two stage channel, enhancement of 16 acres of riparian habitat through tree and shrub plantings, the removal of 36 acres of invasive species, and the restoration of a 1-acre open water wetland.	\$603,977		Ohio EPA 319 NPS Program	2019
14a, 6	AC-15.0	Oak Openings Riparian Restoration Project – Neis Ditch	Goals include ~5,000 linear feet of stream channel/stream bank restoration, instream habitat installation, and 80+ acres of prairie habitat restoration and reforestation.	\$298,000		Ohio EPA GLRI (FA3) subaward	2015
14a	LBC-16.0	Oak Openings Riparian Restoration Project – Blue Creek Metropark	Goals include ~5,000 linear feet of stream channel/stream bank restoration, instream habitat installation, and ~50 acres of prairie habitat restoration/reforestation.	\$153,000		Ohio EPA GLRI (FA3) subaward	2015
14a, 6	HDSC-3.0	Van Fleet Ditch Two-Stage Ditch Restoration	Goals include the installation of floodplain benches (two-stage ditch) along a 1 mile stretch of the creek and the installation of three areas of aquatic habitat (rock riffles).	\$734,548		USEPA GLRI-NPS (FA3)	2020
14a	HDSC-5.0	Oak Openings Riparian Restoration Project – Cannonball Prairie Toledo Metropark	Goals include restoration of 37 acres of former agricultural land into streamside prairie and the reforestation of 16 acres (riparian) of former agricultural fields.	\$38,000		Ohio EPA GLRI (FA3) subaward	2015
14a, 6	DC-1.0	Delaware Creek Park Restoration: Phase I	Goals include the installation of bio-swailes and raingardens along the streambank at three locations within Delaware Creek Park.	\$179,400		Lake Erie Comm. GLRI (FA3) subaward	2019
3a, 14a, 6	MR-1.0	Penn 7 Wetland Restoration	Goals include the restoration of 59 acres through the creation of 8.5 acres of coastal/floodplain wetland habitat, installation of a connecting channel from the wetlands to the northern embayment (6.7 acres), and revegetation of upland areas.	\$2,200,000		GLRI via NOAA Partnership	2019
3a, 14a, 6	MB-2.0	Cullen Park Flow-Through Wetland Restoration	Primary goal is the creation of a 75-acre coastal wetland along Toledo's shoreline, between Bayview Park and Cullen Park.	\$5,080,000		H2Ohio/Healthy Lake Erie Fund	2020
3a, 14a, 6	OC-8.0	Urban Runoff Capture and Otter Creek Restoration Project	Goals include the creation of 2 acres of wetland and the stabilization/enhancement of 1,350 linear feet of streambank.	\$499,977		USEPA GLRI-NPS (FA3)	2017
3a, 6, 14a	CrC-4.0	Nearshore Coastal Wetland Restoration and Enhancement at Ottawa National Wildlife Refuge Complex	Goals include the installation/replacement of three water control structures in the Refuge that will result in the reconnection of ~566 acres of impounded wetland to the Crane Creek lacustrary.	\$600,000		H2Ohio	2020
14a, 6	TuC-19.0	Turtle Creek Nutrient Trapping Program	Suggested BMPs include field to wetland connections, saturated buffer areas, field edge prairie strips, and tile water treatment systems.	\$274,314		Ohio EPA 319 NPS Program	2019
3a	TuC-20.0	Magee Marsh Turtle Creek Bay Wetland Reconnection	Goals include the installation of two new water control and fish passage structures along the eastern side of the wetland unit. These structures will allow for hydrological reconnection between Turtle Creek and wetland habitat, and will permit fish passage to/from the wetland.	\$550,000		H2Ohio	2020
3a, 14a	LTC-10.0	Restoring Coastal Wetlands at Toussaint State Wildlife Area: Phases I, II, and III	Goals are to improve wetland habitat, replace pump structures, install water control and fish passage structures, remove unnecessary internal levees, and renovate the remainder of the exterior levee system at the 125-acre site.	\$2,238,000		GLRI via NOAA Partnership, GLFWRA	2017
				\$16,404,236	\$0		

* These ID's correspond to the assessment unit where the project is located and have been used to label the approximate location on the associated map.*

MAAC-Recommended Mgmt. Action Projects for Aquatic Biological BUIs 3a, 6, 14a in the Maumee AOC

