

Maumee AOC Overview Timeline for all Management Action Projects (MAPs)

MAUMEE AOC - Overview Annual Workplan & Timeline to Mgmt Actions Complete by 2024

Last updated: 6/1/20

							Management Action/BUI		Great Lakes Legacy Act/ Contaminated Sediment				
As of May 2020:							Sampling/Evaluation	GLLA Site Characterization/Data Gap/Sampling					
No additional MAPs expected for BUI 1, 3b, 8a, 10b, 10c, 14b as of 3/1/20							Feasibility/Planning	GLLA Feasibility Study					
All MAP lists expect to be submitted by end of Dec. 2020							Engineering & Design	GLLA Remedial Design					
Any placeholder AquaMAPs are expected to be finalized by end of Dec. 2020							Implementation/Construction	GLLA Remedial Action/Construction					
Evaluations for BUIs 3a, 4, 6, 14a will need to be conducted upon MAP completion to determine if restoration target(s) have been achieved							Completed/Estimated Completion	GLLA Complete/Estimated Completion					
							Sampling/Status Evaluation	GLLA Sampling/Effectiveness Evaluation					
							Grant Award Process/Interagency Agreement	GLLA Partner Recruitment					
							Submit Management Action List (if applicable)	Funded by GLRI	Partial or Needs Funding				
BUI	Project ID	Management Action	Implementer	Other Funding (Leveraged/Match)	AOC GLRI Funding Needed	Funding Status	FFY20 (Oct 2019 - Sept 2020)	FFY21 (Oct 2020 - Sept 2021)	FFY22 (Oct 2021 - Sept 2022)	FFY23 (Oct 2022 - Sept 2023)	FFY24 (Oct 2023 - Sept 2024)	Additional Detail	
<b>GLLA - Sediment Projects (SedMAPs) - LIST SUBMISSION expected June 2020</b>													
1,3,4,6,14		GLLA - Ottawa River Reach 1	US EPA, ACE, Ohio EPA	\$0	\$0	Partial \$	GLLA Remedy Confirmation Eval, Rem. Effectiveness Eval.	GLLA Est. Completion				See SedMAP timeline & narrative	
1,3,4,6,14		GLLA - Ottawa River Reach 1-4	US EPA, ACE, Ohio EPA	\$0	\$0	Partial \$	GLLA Remedy Effectiveness Eval	GLLA Remedy Effectiveness Eval, GLLA Est. Completion				See SedMAP timeline & narrative	
3,4,6,14		GLLA - Halfway, Silver & Shantee Creek	US EPA, Ohio EPA	\$0	\$0	Partial \$	GLLA Sampling/Evaluation	GLLA Est. Completion				See SedMAP timeline & narrative	
6,14		GLLA - Swan Creek	US EPA, Ohio EPA	\$6,475,001	\$12,025,001	Partial \$	GLLA Data Gap Sampling, Feasibility Study, Partner Recruitment	GLLA Remedial Design, Partner Recruitment	GLLA Remedial Action/Construction	GLLA Est. Completion		See SedMAP timeline & narrative	
3,4,6,14		GLLA - Lower Maumee River Upstream	US EPA, ACE, Ohio EPA	\$6,475,000	\$12,025,000	Partial \$	GLLA Sampling/Evaluation	GLLA Est. Completion				See SedMAP timeline & narrative	
3,4,6,7,14		GLLA - Lower Maumee River Sway Bridge	US EPA, ACE, Ohio EPA	\$0	\$0	Partial \$	GLLA Sampling/Evaluation	GLLA Data Gap Sampling, Feasibility Study, Partner Recruitment	GLLA Remedial Design, Partner Recruitment	GLLA Remedial Action/Construction	GLLA Est. Completion	See SedMAP timeline & narrative	
3,4,6,14		GLLA - Lower Maumee River WWTP	US EPA, ACE, Ohio EPA	\$0	\$0	Partial \$	GLLA Sampling/Evaluation	GLLA Data Gap Sampling, Feasibility Study, Partner Recruitment	GLLA Remedial Design, Partner Recruitment	GLLA Remedial Action/Construction	GLLA Est. Completion	See SedMAP timeline & narrative	
3,4,6,11,14		GLLA - Otter Creek	US EPA, ACE, Ohio EPA	\$0	\$0	Partial \$	GLLA Remedial Design, Construction	GLLA - Construction (sediment & habitat)	GLLA Construction (habitat), Estimated Completion			See SedMAP timeline & narrative	
3,4,6,14		GLLA - Duck Creek	US EPA, Ohio EPA	\$0	\$0	Complete	GLLA Completed					See SedMAP timeline & narrative	
<b>Misc/Other BUI Projects (MiscMAPs) - ALL MANAGEMENT ACTION LISTS SUBMITTED END OF DECEMBER 2020</b>													
1		Restrictions on Fish and Wildlife Consumption	Ohio EPA/OLEC				BUI Removal Preparation	BUI Removal Estimated Completion					
4		Conduct bullhead assessment & analysis and fish community/DELT/habitat assessment	US FWS, Ohio EPA		\$318,480	Funded	Sampling/Evaluation	Submit Management Action List (if applicable)				estimated July 2020	
7		Review dredge sediment data	Ohio EPA, OLEC, US ACE		[MAA funding]	Funded	Sampling/Evaluation	Submit Management Action List (if applicable)					
8b		Eutrophication data gap sampling (Ottawa R)	Ohio EPA		[MAA funding]	Pending	Sampling/Evaluation	Submit Management Action List (if applicable)				estimated Spring to Fall 2020 ??	
8b		Conduct a Eutrophication perception survey	Ohio EPA		[MAA funding]	Pending	Sampling/Evaluation	Submit Management Action List (if applicable)				estimated Summer/Fall 2020 ??	
10a		Maumee Bay St. Pk. E coli source ID	USGS, City of Oregon, ODNR-Parks, T/LCHD		??	Funded	Sampling/Evaluation	Submit Management Action List (if applicable)				estimated Spring thru Fall 2020	
10a		Maumee Bay St. Pk. Waterfowl Deterrent	ODNR-Parks, Wildlife		TBD (see notes)	Needs \$		Grant Award Process, Engineering & Design, Implementation	Implementation	Estimated Completion		project in development	
<b>Aquatic Biological BUI Projects (BUIs 3a, 6, 14a) (AquaMAPs) - LIST SUBMITTED, APPROVAL PENDING, expected May 2020</b>													
6, 3a	AOC-2.0	Fish and Benthos Improvements with Urban Chloride Reductions	TMACOG	\$0	\$264,261	Needs \$		Grant Award Process, Sampling/Evaluation	Feasibility/Planning	Feasibility/Planning, Estimated Completion		See AquaMAP timeline & narrative	
6, 14a, 3a	HTC-2.0	Headwaters Tenmile Creek Stream & Riparian Restoration	Lucas SWCD	\$0	\$505,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative	
14a, 6	HTC-12.0	Instream and Riparian Projects in Headwaters Tenmile Creek (TBD)	Lucas/Fulton Counties	\$0	\$500,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative	
14a, 6	PD-5.0	Prairie Ditch Restoration at Secor Park: North of Visitor's Center	Metroparks Toledo	\$0	\$150,000	Needs \$	Grant Award Process	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative	
14a, 6	PD-6.0	Prairie Ditch Two-Stage and Floodplain Planting: Secor Park Expansion, Phase II	Metroparks Toledo	\$0	\$160,000	Needs \$	Grant Award Process	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative	
6, 14a	HDOR-9.0	Hill Ditch Restoration at Toledo Natural Science Technology Center	Toledo Public Schools	\$0	\$250,000	Needs \$	Grant Award Process	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative	
14a, 6	HDOR-13.0	Hill Ditch Restoration at Paisley Park	City of Toledo	\$130,000	\$130,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative	
3a, 6, 14a	SIC-3.0	Restoration of the Ottawa River within Jermain Park	City of Toledo	\$0	\$600,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative	
3a, 6, 14a	SIC-13.0	Instream and Nearshore Projects in the Lacustrary of Ottawa River (pending - sampling results)	TBD within 1 yr of data	\$0	\$3,000,000	Needs \$		To Be Determined within 1 year of sampling data availability				See AquaMAP timeline & narrative	

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							DRAFT												

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6, 3a, 14a	DD-7.0	Detwiler Park Municipal Golf Course Improvements	City of Toledo	\$0	\$1,000,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a, 6	FC-8.0	Instream and Riparian Projects in the Riverine Headwaters of the Fewless Creek HU (TBD)	TBD by 12/2020	\$0	\$200,000	Needs \$	To Be Determined by end of December 2020					See AquaMAP timeline & narrative
14a, 6, 3a	AC-3.0	Neis Ditch Stream Restoration	Metroparks Toledo	\$0	\$400,000	Needs \$	Grant Award Process	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative
14a	UBC-13.0	Maumee State Forest Blue Creek Stream Restoration	ODNR-Forestry	\$0	\$668,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a	UBC-15.0	Instream and Riparian Projects in the Riverine Headwaters of the Upper Blue Creek HU (TBD)	TBD by 12/2020	\$0	\$500,000	Needs \$	To Be Determined by end of December 2020					See AquaMAP timeline & narrative
14a	LBC-17.0	Instream and Riparian Projects in the Lower Blue Creek HU (TBD)	TBD by 12/2020	\$0	\$500,000	Needs \$	To Be Determined by end of December 2020					See AquaMAP timeline & narrative
6, 14a	HDSC-4.0	UTMC Swan Creek Restoration	University of Toledo	\$0	\$508,000	Needs \$			Interagency Agreement, Feasibility/Planning	Engineering & Design, Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
6, 14a	DC-2.0	Delaware Creek Park Restoration: Phase II	City of Toledo	\$0	\$500,000	Needs \$			Grant Award Process, Feasibility/Planning	Engineering & Design, Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
3a, 14a, 6	MR-14.0	Restoration Projects in Maumee RMs 15 to 7 (pending-in development)	TBD by 12/2020	\$0	\$9,000,000	Needs \$		Grant Award Process, Sampling/Evaluation	Feasibility/Planning, Engineering & Design,	Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
14a, 6, 3a	OC-3.2	Berlin Avenue Floodplain and Stream Improvements	City of Oregon	\$0	\$557,136	Needs \$				Grant Award Process, Engineering & Design, Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
14a, 6, 3a	OC-3.3	Taylor Rd. and Yarrow St. Floodplain and Stream Improvements	City of Oregon	\$0	\$690,000	Needs \$				Grant Award Process, Engineering & Design, Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
14a, 3a, 6	OC-5.0	Collins Park Municipal Golf Course Improvements on Duck Creek	City of Toledo	\$0	\$700,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a, 6	BD-2.0	Stream Restoration at Oregon Recreational Complex	City of Oregon	\$0	\$1,344,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a, 6, 3a	CeC-1.0	Nature Trails Park Riparian Restoration and Wetland Creation	City of Northwood	\$0	\$357,000	Needs \$	Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative
14a, 6, 3a	CeC-4.0	Waste Management Instream and Riparian Restoration	Wood Co. Engineers	\$0	\$500,000	Needs \$	Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative
14a, 6, 3a	CeC-6.0	Dry Creek Ecological Design and Demonstration Project	Wood Co. Engineers	\$0	\$580,000	Needs \$	Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative
14a, 3a, 6	CrC-5.0	Crane Creek Lacustrary Wetland Restoration	U.S. FWS	\$0	\$1,500,000	Needs \$			Interagency Agreement, Sampling/Evaluation, Feasibility/Planning	Engineering & Design, Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
14a, 6	CrC-9.0	Instream and Riparian Projects in the Riverine and Riverine Headwaters of Crane Creek (TBD)	TBD by 12/2020	\$0	\$500,000	Needs \$	To Be Determined by end of December 2020					See AquaMAP timeline & narrative
14a, 6, 3a	TuC-2.0	Turtle Creek North Nissen Road Restoration	Black Swamp Conservancy	\$0	\$787,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a, 3a, 6	TuC-17.0	Wetland Enhancement in the Riverine of Turtle Creek	Ottawa SWCD	\$0	\$302,325	Needs \$	Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion		See AquaMAP timeline & narrative
14a, 3a, 6	TuC-18.0	Oxbow Channel Addition and Wetland Enhancement/Reconnection in the Lacustrary of Turtle Creek	TNC	\$0	\$3,300,000	Needs \$			Interagency Agreement, Sampling/Evaluation, Feasibility/Planning	Engineering & Design, Construction	Construction, Estimated Completion	See AquaMAP timeline & narrative
14a	PC-2.0	Packer Creek Stream Restoration near Genoa-State Route 163	Ottawa SWCD	\$0	\$3,444,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a	PC-6.0	Packer Creek Stream and Riparian Restoration	Ottawa SWCD	\$0	\$278,500	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
14a, 3a, 6	LTC-1.0	Schiller Stream and Riparian Improvements	U.S. FWS	\$0	\$678,000	Needs \$		Interagency Agreement, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
3a, 6, 14a	LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske	TNC	\$0	\$3,000,000	Needs \$		Grant Award Process, Engineering & Design	Engineering & Design	Construction	Estimated Completion	See AquaMAP timeline & narrative
3, 6, 14a	20 various projects	20 non-GLRI funded Aquatic Biological MAPs	varies	\$16,144,138	\$0	Funded	Feasibility/Planning (varies by project)	Engineering & Design (varies by project)	Implementation/Construction (varies by project)	Completed/Estimated Completion (varies by project)		These AquaMAPs are lumped together as non-GLRI funded projects that are necessary to achieve BUI Restoration Targets. See details in AquaMAP timeline.