

Duck Creek Watershed Projects Table

Causes of Impairment (Pollutant or Stressor)	Sources of Pollutant	Projects	Major Tasks/ Milestones	Potential Project Partners	Funding Source(s)	Timeline	Status (in progress, planning, concept, ongoing, complete)	Decrease in sediment load; decrease in turbidity; decrease in storm drain dumping	Coastal Management Measure	HUC/Stream Segment Addressed	BUI Color Code: ■ Impaired ■ Not Impaired ■ Unknown ■ Not Applicable														Comments & Misc. Info.
											BUI #1	BUI #2	BUI #3	BUI #4	BUI #5	BUI #6	BUI #7	BUI #8	BUI #9	BUI #10	BUI #11	BUI #12	BUI #13	BUI #14	
All	All	Conduct a TMDL	1) Design watershed survey, 2) Collect water quality data, 3) Assess waterbodies, 4) Identify target conditions, 5) Develop restoration projects, 6) Select restoration scenario, 7) Prepare implementation plan, 8) Submit TMDL report, 9) Implement TMDL (inside Ohio EPA), 10) Implement TMDL (outside OEPA), 11) Annual validation activities, and 12) Validate water quality status	OEPA	OEPA	2006-2008	planning	Distribution of the TSD and implementation of the applicable TMDL for each sub-watershed		all of watershed	X	X	X	X		X	X	X	X	X	X	X	X	Source: OEPA	
All	All	GIS Water Quality database (Phase 1)	1) Create relational database from OEPA water resources inventory data for Maumee AOC	University of Toledo, Maumee RAP	US EPA GLNPO	2004-2005	complete			all of AOC	X	X	X	X	X	X	X	X	X	X	X	X	X		
All	All	GIS Water Quality database (Phase 1)	2) Export LE Tribs data to a GIS format				complete				X	X	X	X	X	X	X	X	X	X	X	X	X		
All	All	GIS Water Quality database (Phase 1)	3) Publish relational database and GIS online				in progress				X	X	X	X	X	X	X	X	X	X	X	X	X		
All	All	GIS Water Quality database (Phase 2)	Expand GIS to entire AOC				in progress			all of watershed	X	X	X	X	X	X	X	X	X	X	X	X	X		
Flow Alterations	Changing Land Use	Lucas County Floodplain Map	1) Determine waterways to study and map versus redelinate	Lucas County Engineer and Auditor Offices, FEMA	Lucas County, FEMA	2005-2010	in progress	Study 60+ miles of stream to determine the current floodplain		all of watershed	X	X	X								X				
Flow Alterations	Changing Land Use	Lucas County Floodplain Map	2) Conduct new studies			2005-2008	in progress				X	X	X								X				
Flow Alterations	Changing Land Use	Lucas County Floodplain Map	3) Redelinate existing studies			2005-2008	in progress				X	X	X								X				
Flow Alterations	Changing Land Use	Lucas County Floodplain Map	4) Request public comment on draft maps			2009	in progress				X	X	X								X				
Flow Alterations	Changing Land Use	Lucas County Floodplain Map	5) Finalize maps and release electronically			2010	in progress				X	X	X								X				
flow alterations	changing land use	Re-planting program	Secure grant and identify available space along creeks for replanting				concept		7.6.1; 8.3.3	all of Duck Creek											X				
flow alterations	construction	Re-planting program	Secure grant and identify available space along creeks for replanting				concept		7.6.1; 8.3.3	all of Duck Creek											X				
flow alterations	streambank modifications	Discuss periodic "controlled releases" w/City of Toledo from Hecklinger Pond into Duck Creek to increase flow in creek					concept						X										X		
flow alterations	streambank modifications	Identify areas of creek where stream "curves" can be re-created					concept						X										X		
flow alterations	streambank modifications	Identify areas of creek where stream bank stabilization is needed	Continue "walking" creek and general observations annually	City of Toledo; Duck and Otter Creeks Partnership staff and/or volunteers		2004	ongoing		5.5.1; 7.6.1	all of Duck Creek			X												
flow alterations	streambank modifications	Work w/local cities and county to review code and incorporate environmental planning/setbacks					concept		Chapter 5												X				
flow alterations	streambank modifications	Work with new development/industries moving into the watershed to develop strategies to minimize their impact on the watershed	Identify BMPs to recommend and literature to support it; become familiar with local storm water rules, wetland and	Duck and Otter Creeks Partnership, Inc.; US Coking;	none needed	2004-2006	ongoing		5.3.1; 5.3.2	all of watershed											X				
habitat modifications	changing land use	Educate developers/contractors on need and use of BMPs		Maumee RAP Urban Runoff Action Group, SWC	Ohio Environmental Education Fund, GLC	2005	planning		5.3.1; 5.3.2; 5.5.1; Chapter 10.5	all of watershed			X												
habitat modifications	changing land use	Implement the Phase 2 storm water management program	Decrease in sediment load; decrease in turbidity; decrease in storm drain dumping	Cities of Toledo, Oregon, Northwood and/or Wood and Lucas county	local jurisdictions; additional grants if necessary	2004	ongoing	Decrease in sediment load; decrease in turbidity; decrease in storm drain dumping		all of watershed			X												
habitat modifications	changing land use	Propose alternative development designs/layouts and BMPs that protect habitat and water quality		Duck and Otter Creeks Partnership, Inc.; US Coking; other new businesses		2004	ongoing			all of watershed			X												
habitat modifications	changing land use	Regional Storm Water Standards Manual (Phase 1)	1) Determine contents for manual	RAP Urban Runoff Action Group, MRRSWC	Lake Erie Protection Fund	2002	complete	Implement a regional/watershed management program: a) control increases in runoff rates, b) prevent losses in infiltration, c) prevent runoff pollution		all of AOC			X												
habitat modifications	changing land use	Regional Storm Water Standards Manual (Phase 1)	2) Write manual				complete						X												
habitat modifications	changing land use	Regional Storm Water Standards Manual (Phase 1)	3) Identify alternative development designs/layouts that protect water quality				complete						X												
habitat modifications	changing land use	Regional Storm Water Standards Manual (Phase 1)	4) Encourage local jurisdictions to adopt manual as their standards				complete						X												
habitat modifications	changing land use	Regional Storm Water Standards Manual (Phase 2)	1) Review existing manual	Maumee RAP Urban Runoff Action Group, SWC	GLC	2005-2007	in progress	Completion and distribution of revised manual	Chapter 10.5; 5.7.1	all of watershed			X												
habitat modifications	changing land use	Regional Storm Water Standards Manual (Phase 2)	2) Update chapters with new content and regulations			2005-2006	in progress						X												

