



FY 2014 Cuyahoga Area of Concern

Project Number	14CuyAOC-GLRI-09
Subgrantee	Cuyahoga SWCD 6100 West Canal Road Valley View, Ohio 44125
Grant Award	\$49,977
Project Title	Targeting Restoration to Improve Euclid Creek Watershed, a Part of the Cuyahoga AOC

This project is to inventory and prioritize potential sites for habitat restoration in the Euclid Creek watershed. The top 5-8 priority sites will have conceptual designs and cost estimates developed in order to pursue future funding if implementation funding becomes available. This inventory and prioritization process will incorporate more current data collected by partners and Cuyahoga SWCD (CSWCD) staff to assess the opportunities more holistically with the Beneficial Use Impairments (BUI) and delisting goals as a primary focus. BUIs that will be targeted through the project include BUI 3a-Degradation of Fish Population, BUI 6-Degradation of Benthos, and BUI 14a-Loss of Fish Habitat. The types of restoration projects will focus on habitat and floodplain reconnection projects, natural stream channel design, stream bank stabilization, and removing fish migration barriers. This project will focus on addressing BUI 3a-Degradation of Fish Population, BUI 6-Degradation of Benthos, and BUI 14a-Loss of Fish Habitat.

Project Number	14CuyAOC-GLRI-08
Subgrantee	Cleveland Metroparks 4101 Fulton Parkway Cleveland, Ohio 44144
Grant Award	\$25,000
Project Title	Regenerative Stormwater Conveyance Restoration Plan for Acacia Reservation Northwest (Euclid Creek)

This project is to develop the Regenerative Stormwater Conveyance Restoration Plan for Acacia Reservation Northwest Pond to decommission the existing dam on Euclid Creek in the City of Lyndhurst, located at the northwest corner of Acacia Reservation at Richmond Road. Removal of the dam will reduce impoundment and create vegetated wetland areas, which in turn will provide habitat and additional stormwater infiltration and storage capacity in the watershed. The dam is classified as a Class III structure by the Ohio Department of Natural Resources and is maintained by the City of Lyndhurst. The dam face is located along Richmond Road. The remaining perimeter of the pond has been manicured and offers little to no habitat or functionality. This project will address the adverse effects of dams on Euclid Creek identified in the TMDL and will improve water quality in this section of Euclid Creek and downstream. The decommissioning of this dam and the resulting habitat restoration of the area within Acacia Reservation will help meet the targets of the TMDL and WAP.

Project Number 14CuyAOC-GLRI-05
Subgrantee Tinker's Creek Watershed Partners
P.O. Box 444
Twinsburg, Ohio 44087
Grant Award \$50,000
Project Title Tinker's Creek Watershed Assessment and Conceptual Design Planning

This project is to develop to conduct assessments to select 3 sites for concept plan development and concept plans for 4 pre-selected sites. The southern end of the proposed project reach is located at Emery Road, just to the west of Granada Blvd. and extends north approximately 1,000 linear feet. The existing channel has been straightened, incised and is completely disconnected from its floodplain. Restoration activities will be designed around the outcome to restore natural hydrology and geomorphology to improve habitat

Drainage Ditch: This restoration area contains two tributaries located on the south side of Route 14 behind a Home Depot. Stream 1 flows under SR 14 from the north to the south for approximately 1,500ft before its confluence with Stream 2 which flows from the east. After the confluence, Stream 1 and 2 enter into a man-made retention pond. Observations of Stream 1 and 2 indicate that each stream is experiencing different levels of impairment.

Hudson Project: Development of a conceptual plan to restore 3,100 linear feet of Tinker's Creek, located at 3210 Hudson Aurora Road, in Hudson, Ohio. The restoration will focus on restoring habitat. This project is listed in the Tinker's Creek watershed WAP.

Culvert Restoration: EnviroScience, Inc., has been selected as the subcontractor to perform the SR 303 Projects in Streetsboro. This includes two projects, one that involves culverts and the mainstem of Tinker's Creek and nearby tributary stream that feeds into Tinker's near the culvert site. Both of these projects are listed in the Tinker's Creek WAP.

Project Number 14CuyAOC-GLRI-06
Subgrantee West Creek Preservation Committee
P.O. Box 347113
Parma, Ohio 44134
Grant Award \$30,000
Project Title Mill Creek-Kerruish Restoration Project

This project is to develop a concept plan to restore a section of Mill Creek in Kerruish Park. The concept plan will describe (1) how Mill Creek will be rehabilitated by raising the channel invert to reconnect the channel to the existing floodplain, excavating the floodplain where feasible, constructing sand seepage berms across the floodplain, and removal/modification of a low-head dam; (2) the establishment of native riparian woody vegetation along the right stream bank, where it is currently absent, to take advantage of the benefits provided by a natural forest buffer to slow overland flow and capture woody debris, process nutrients and sediment from the channel, and eventually provide shading to the stream; (3) how numerous pools and riffles will be designed to improve habitat for both fish and macroinvertebrates; how the floodplain will be excavated and graded to stable angles and further stabilized with native shrub and tree vegetation including willows, dogwoods, alders, cottonwoods, sycamores, and silver maples; (4)

how beyond the channel banks a number of low, sand seepage berms will be designed across the floodplain to help ensure that stormwater slows down on the floodplain; and (5) will include the removal of an existing low-head dam which is inhibiting fish passage on Mill Creek. This project will result in a shovel-ready project for Mill Creek in Kerruish Park to provide more stormwater storage during storm events, reduce sedimentation and deposition of woody debris in the valley, improve water quality, and provide fish passage. This project will directly affect BUI status related to fish populations, degradation of benthos and aesthetics.

Project Number	14CuyAOC-GLRI-11
Subgrantee	West Creek Preservation Committee P.O. Box 347113 Parma, Ohio 44134
Grant Award	\$20,000
Project Title	West Creek Watershed Restoration

This is a project to re-write the West Creek Watershed Action Plan, and to assist West Creek Conservancy (WCC) in identifying 15-20 priority restoration projects; getting 2-3 to a shovel-design/build ready phase, and the remainder to a conceptual stage (grant/funding-application ready phase.) The current West Creek Watershed Action Plan is outdated, with priority objectives complete. Much of the plan is complete, there is readiness to take the next step to prioritize new projects, and begin the next phase of Watershed Restoration. This project will, by re-writing the Watershed Action Plan, and effectively reprioritizing restoration initiatives, will allow future restoration efforts to focus on up-to-date issues that face the West Creek watershed. Secondly, WCC will have ample baseline conditions to reference; meaning data used to write the original WAP can be compared to 2013/2014 data, demonstrating an effective measure of watershed improvement from 2000-2015.