

## Partners in Watershed Management

The MWCD Partners in Watershed Management Program (PWM) provides funding and in-kind assistance to local communities, agencies and groups involved in projects and programs that support conservation and flood reduction in the Muskingum River Watershed.

The 15 individual projects approved for 2018 in the PWM program and a brief synopsis of each project follows:

<b>Project No. 1</b>	Canal Dover Park Riverbank Restoration
<b>Applicant</b>	City of Dover
<b>County</b>	Tuscarawas
<b>Total Project Cost</b>	\$94,750.00
<b>Requested Grant</b>	\$47,750.00
<b>Approved Grant</b>	\$47,750.00

### PROJECT DESCRIPTION

The City of Dover requested financial assistance for planning, engineering, and permitting for the Canal Dover Park, specifically for the restoration of approximately 950 feet of riverbank along the Tuscarawas River at the east end of the park. The project consists of removing makeshift riprap in order to restore the bank, recreate habitat, and install several stone weirs which will serve to create eddy pool areas to serve a diverse array of aquatic species. In addition, a riparian zone will be created to help maintain the riverbank and slow runoff while also restoring wetland areas.

<b>Project No. 2</b>	Rush Creek Stream Restoration Design
<b>Applicant</b>	Holmes County Engineer
<b>County</b>	Holmes
<b>Total Project Cost</b>	\$45,000.00
<b>Requested Grant</b>	\$45,000.00
<b>Approved Grant</b>	\$45,000.00

### PROJECT DESCRIPTION

The Holmes County Engineer requested financial assistance for planning and design to determine the cause and develop a solution for severe and excessive sediment accumulation along Rush Creek near the intersection of County Road 1 and County Road 323. The aggradation has become so severe that sections of the lower reach of Rush Creek just above its confluence with Killbuck Creek have dewatered while other areas experience increased flooding. This project entails a morphologic and engineering assessment to develop a sustainable natural solution rather than continually dredging the stream multiple times throughout the year.



*Sediment removed from Rush Creek during recent dredging efforts by Holmes County Engineer.*

<b>Project No. 3</b>	Black Fork Preserve at Charles Mill
<b>Applicant</b>	Western Reserve Land Conservancy
<b>County</b>	Richland
<b>Total Project Cost</b>	\$2,795,000.00
<b>Requested Grant</b>	\$180,000.00
<b>Approved Grant</b>	\$180,000.00

### PROJECT DESCRIPTION

Western Reserve Land Conservancy requested financial assistance for the acquisition and protection of a 425-acre property near Charles Mill Reservoir. The project site contains high quality natural resources (Category 3 wetlands and a Class 3 stream) as well as modified habitat (agricultural fields). Acquisition and protection will preserve this portion of the Black Fork watershed while restoring approximately 60 acres of agricultural field (currently tiled) returning this acreage into a functioning wetland.

**Project No. 4**      Camp Roosevelt-Firebird Wastewater Treatment Plant Phase 2  
**Applicant**        Camp Roosevelt-Firebird  
**County**            Carroll  
**Total Project Cost**   \$16,813.00  
**Requested Grant**    \$14,203.00  
**Approved Grant**     \$14,203.00

**PROJECT DESCRIPTION**

Camp Roosevelt-Firebird on Leesville Lake requested financial assistance to repair a failing wastewater system. The current system is failing, and untreated effluent is discharging directly into Leesville Lake. The proposed project includes design and planning, repair of two pump stations and the wastewater treatment system, and an educational component for youth campers.

**Project No. 5**      Magnet Road Slip/Still Fork Creek Streambank Repair  
**Applicant**        Augusta Township Trustees  
**County**            Carroll  
**Total Project Cost**   \$400,878.00  
**Requested Grant**    \$380,000.00  
**Approved Grant**     \$317,000.00

**PROJECT DESCRIPTION**

Augusta Township requested financial assistance for stabilization and restoration of approximately 250 feet of Still Fork Creek which is undermining a section of Magnet Road located near the top of the streambank. The project consists of the installation of a sheet piling cutoff wall and tie-backs to anchor the wall into place in addition to a drainage system to improve surface water drainage and alleviate potential pressure on the sheet piling wall. Project design was done by Geotechnical Consultants, Inc., utilizing a 2017 grant from the PWM Program to identify the cause of the streambank/road subsidence and prove that rising and falling water levels associated with Still Fork Creek are the primary cause for subsidence.

**Project No. 6**      Sandy Creek Riparian Stabilization Project  
**Applicant**        Sandy Township Trustees  
**County**            Tuscarawas  
**Total Project Cost**   \$43,268.00  
**Requested Grant**    \$36,160.00  
**Approved Grant**     \$36,160.00

**PROJECT DESCRIPTION**

Sandy Township in Tuscarawas County requested financial assistance to stabilize a streambank of the Sandy Creek along Jennie Brick Road. The project proposes to stabilize the streambank using soil nails and shotcrete. The resultant stream bank will be more resistant to erosion and sedimentation. The stabilized bank will protect the township road, which requires continual maintenance and rehabilitation. By reducing erosion, this project will positively affect water quality of the Sandy Creek and reduce future sediment loads of the Bolivar Reservoir. Additionally, the project will protect health and safety and reduce future property damage.

<b>Project No. 7</b>	Walhonding River Mussell Study
<b>Applicant</b>	Rural Action
<b>County</b>	Coshocton
<b>Total Project Cost</b>	\$55,370.00
<b>Requested Grant</b>	\$46,770.00
<b>Approved Grant</b>	\$46,770.00

**PROJECT DESCRIPTION**

Rural Action requested financial assistance to conduct a comprehensive mussel study of the Walhonding River. The Walhonding River boasts a robust community of mussel species, many of which are state or federally endangered or threatened. The project will also include habitat, streambank, and riparian assessments, as well as water quality monitoring to identify solutions to remedy current impacts and prevent future degradation of these high-quality natural resources. Additionally, Rural Action will partner with the Coshocton Soil and Water Conservation District (SWCD) on public outreach, targeting riparian landowners.

<b>Project No. 8</b>	Howard Wellfield Kokosing River Streambank Stabilization
<b>Applicant</b>	Knox County Commissioners
<b>County</b>	Knox
<b>Total Project Cost</b>	\$420,017.00
<b>Requested Grant</b>	\$150,000.00
<b>Approved Grant</b>	\$150,000.00

**PROJECT DESCRIPTION**

Knox County requested financial assistance to restore a severely eroded streambank along the Kokosing River near the unincorporated area of Howard in Knox County. The project will restore approximately 500 feet of streambank utilizing riprap. The riparian area will be enhanced with native vegetation and trees. The project will also protect the Howard Wellfield, which provides drinking water to over 7,000 people, from further encroachment from the eroding streambank.

<b>Project No. 9</b>	Log Pond Run Main Channel Easement Plan
<b>Applicant</b>	City of Newark
<b>County</b>	Licking
<b>Total Project Cost</b>	\$410,674.00
<b>Requested Grant</b>	\$184,795.00
<b>Approved Grant</b>	\$184,795.00

**PROJECT DESCRIPTION**

The City of Newark requested financial assistance to acquire easements for stream maintenance along Log Pond Run. Acquisition of the maintenance easements will assist the City of Newark in trash and debris removal, vegetation maintenance, erosion control, and repair of failing retaining walls. The acquisition of the maintenance easements will help the City implement a long-term maintenance program for the Log Pond Run, which will have numerous water quality benefits. The City intends to develop future public education and outreach programs to increase pollutant awareness and reduction within the watershed.

**Project No. 10** Middle Tuscarawas River Watershed Educaiton  
**Applicant** Rural Action  
**County** Tuscarawas  
**Total Project Cost** \$47,283.00  
**Requested Grant** \$32,400.00  
**Approved Grant** \$32,400.00

**PROJECT DESCRIPTION**

Rural Action requested financial assistance to continue and expand the environmental education and public outreach in the Huff Run and Mud Run watersheds. Funds will be used to coordinate and organize field trips, watershed tours, and community meetings; to host and conduct professional workshops for teachers and educators; and to organize and manage a week-long children’s watershed day camp focusing on watershed management. The environmental education and community outreach programs will improve awareness and teach responsible stewardship.

**Project No. 11** Magnet Road Slip/Still Fork Creek Streambank Repair: Geotechnical Analysis  
**Applicant** Augusta Township Trustees  
**County** Carroll  
**Total Project Cost** \$4,900.00  
**Requested Grant** \$4,900.00  
**Approved Grant** \$4,900.00

**PROJECT DESCRIPTION**

Augusta Township requested financial assistance for stabilization and restoration of approximately 250 feet of Still Fork Creek which is undermining a section of Magnet Road located near the top of the streambank. Following project review by MWCD’s Technical Review Advisory Committee, the need for a geotechnical analysis was identified to investigate whether rising and falling water levels associated with Still Fork Creek are the primary cause for subsidence and if so, to identify a potential solution.

**Project No. 12** Roswell Logjam Debris Removal  
**Applicant** Tuscarawas Soil and Water Conservation District  
**County** Tuscarawas  
**Watercourse** Beaverdam Creek  
**Total Project Cost** \$13,268.00  
**Requested Grant** \$10,268.00  
**Approved Grant** \$10,268.00

**PROJECT DESCRIPTION**

Tuscarawas SWCD requested financial assistance to remove a logjam/debris field from Beaverdam Creek.

**Project No. 13** Muskingum River Snag and Debris Removal  
**Applicant** Muskingum River Advocacy Council (MRAC)  
**County** Washington/Morgan/Muskingum  
**Watercourse** Muskingum River  
**Total Project Cost** \$42,800.00  
**Requested Grant** \$40,000.00  
**Approved Grant** \$40,000.00

**PROJECT DESCRIPTION**

MRAC requested financial assistance to remove logjam/debris field along the Muskingum River from its confluence with the Ohio River to river mile 85.5 at Ellis Dam.



**Project No. 14** Paint Creek-Martin Logjam Debris Removal  
**Applicant** Holmes Soil and Water Conservation District  
**County** Holmes  
**Watercourse** Paint Creek  
**Total Project Cost** \$8,290.00  
**Requested Grant** \$5,740.00  
**Approved Grant** \$5,740.00

**PROJECT DESCRIPTION**

Holmes SWCD requested financial assistance to remove a logjam/debris field from Paint Creek.

**Project No. 15** Wills Township Logjam Debris Removal  
**Applicant** Wills Township Trustees  
**County** Guernsey  
**Watercourse** Leatherwood Creek  
**Total Project Cost** \$30,328.32  
**Requested Grant** \$7,500.00  
**Approved Grant** \$7,500.00

**PROJECT DESCRIPTION**

Wills Township Trustees requested financial assistance to remove a logjam/debris field from Leatherwood Creek.



*Three photos of the Black Fork Preserve at Charles Mill. Applicant for the project: Western Reserve Land Conservancy. The PWM grant funding provided financial assistance for the acquisition and protection of a 425-acre property near Charles Mill Reservoir (project no.3 in the preceding list).*

*Pictured above: West at the eastern extend of Wetland A.  
 Pictured left: Southeast along Stream 1.  
 Pictured right: Ditch flowing eastward from Wetland A.*

