

WILDERMUTH STREAM AND FLOODPLAIN WETLAND RESTORATION

FAST FACTS

Location: West Chester Township, Ohio

Project Implementers:
Butler County Water & Sewer Department, Mill Creek Watershed Council, Butler County Engineers Office, West Chester Township, APEX Companies

Project Area: 29 acres

Project Cost: \$170,256
Federal Funds: \$100,000
Local Match: \$70,256

Completed: Fall 2014

PROJECT FEATURES

22-acres of restored floodplain

1,800 linear feet of stream restoration

2,300 linear feet of floodplain pilot channel

Improved habitat with native wetland plants

Water level control structure

Vernal pools

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Pre-construction water quality monitoring at the Wildermuth Restoration Project, April 2014

At the site of an old agricultural field, this restored floodplain is protected in perpetuity under conservation easement. Surrounded by commercial, industrial, and institutional property, the 29-acre area provides high quality habitat and open space for wildlife. The East Fork Mill Creek runs along the west side of the property and proposed future uses for the property include a recreational trail along the stream. Newly installed in-stream structures and improvements to the riparian corridor enhance water quality and provide habitat for desirable aquatic and terrestrial wildlife.

What is the Wildermuth Wetland Project?

In 2004 this parcel was identified as a priority project area in the Upper Mill Creek Watershed Action Plan. For ten years the project has been recommended as a restoration project to provide enhanced flood storage, reduce nutrient loads, and improve habitat and water quality. The property was donated to West Chester Township in 2008 by Robert Wildermuth. Restoration of the floodplain wetland and stream corridor was completed in 2014 to offset problems associated with development, channelization, and in-stream erosion.



Wetland and riparian corridor planting, November 2014

PROJECT GOALS

Improved water quality and reduced flooding

Restored aquatic and terrestrial habitat

Replenished groundwater supply

Enhanced site aesthetics and new recreational amenity

Reduced nonpoint source pollution

In-Stream Riffle



Pilot Channel



LOCATION



The project site is accessible through the Upper Mill Creek Water Reclamation Facility: 6055 Centre Park Drive, West Chester, Ohio 45069

Project Partners



Project Funders



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