Environmental Results: Successful completion of the project will restore a 12-acre degraded wetland & 1,700 feet of tributary stream flowing into Bath Creek. The restoration effort is expected to reduce flooding and improve overall water quality in the Yellow Creek watershed.

For more information on this project go to the Ohio Environmental Protection Agency 319 Grant website http://www.epa.ohio.gov/dsw/nps/319Program.aspx
The 319 grants are made possible through amendments to the Clean Water Act in 1987. Section 319 Nonpoint Source Management Program is designed to improve specific nonpoint source pollution of the country’s rivers, streams, and communities in general.

This is being done by addressing nonpoint source pollution, management of innovative storm water projects, as well as stream and wetland restoration in Ohio’s communities.

In May 2011, Bath Township was awarded funding through the Ohio Environmental Protection Agency (EPA) 319 Grant to restore a 12 acre area known as the Moore’s Chapel Wetland (Bath Creek Floodplain/ Wetland Restoration) adjacent to the Bath Nature Preserve into a functioning floodplain / wetland.

319 grants give the recipients three years to complete the grant. Therefore Bath Township must finish the restoration by June of 2014.

The $71,350 grant involves a 20% match from the township and will go toward the restoration of the floodplain / wetland of the North Fork Tributary of Yellow Creek.
Aerial View of both Bath Creek Restoration and the Moore’s Chapel Wetland
Bath Township’s
Bath Creek Floodplain/Wetland Restoration
Funding through:
OhioEPA
Section 319(h) Grant
PROJECT NUMBER 119(h)EPA-07
Environmental Results: Successful completion of the project will restore a 12-acre degraded wetland & 1,700 feet of tributary stream flowing into Bath Creek. The restoration effort is expected to reduce flooding and improve overall water quality in the Yellow Creek watershed.
For more information on this project go to the Ohio Environmental Protection Agency website or call 614-644-2111.
Available 319 Project Brochure
Located within the Moore’s Chapel Cemetery

Bath Township’s
Bath Creek Floodplain / Wetland Restoration
Funding through:
OhioEPA
Section 319(h) Grant

Environmental Results: Successful completion of the project will restore a 12-acre riparian wetland & 5,700 feet of tributary stream flowing into Bath Creek. The restoration effort is expected to reduce flooding and improve overall water quality in the Bath Creek watershed.
Mowing - 12 Acres of Existing Vegetation - Reed Canary Grass *Phalaris arundinacea*

View From Inside the Tractor
Control Burn of the - 12 Acres of Existing Vegetation  8/31/2012
2012 Construction of Moore’s Meander (at the Confluence of Bath Creek)
July 2013 - Moore’s Meander with Burr Reed *Sparganium americanum*
Naturally Growing Throughout it’s Channel
Restoring the Hydrology is the key to any Wetland Restoration. To meet this goal Bath Township took the following steps:

- The Moore’s Chapel Wetland has a ditched tributary of Bath Creek along the southern edge of the property. To restore the hydrology Bath Township had the stream re-configured by meandering it toward the center of the site (Moore’s Meander). To ensure the site receives as much water as possible, multiple meandering channels were added running off of Moore’s Meander. This design is called a “braided stream” or an Anastomose stream - meaning the interconnection between parts of any branching system.

- To ensure constant moisture to the site throughout the year a water control device was installed at the confluence of Moore’s Meander and Bath Creek.
MOORE’S CHAPEL FLOODPLAIN/ WETLAND RESTORATION

**Restored 1745 linear feet of stream.**

- Moore’s Meander = 736 Feet
- Tributary A = 410 feet
- Tributary B = 126 feet
- Tributary C = 102 feet
- Tributary D = 43 feet
- Tributary E = 97 feet
- Tributary F = 118 feet
- Tributary G = 113 feet

**NOTE:** Not to Scale
2013 - Tributary “A” of Moore’s Meander
Installation of Water Control Feature with Vertical Outlet
Inlet of Water Control Feature Wrapped with Burlap to Prevent Wetland Seeds from Washing Off Site
BMP's - During Construction
Best Management Practices

Straw Waddles
Monthly BMP Inspections of Straw Waddles
Flooding from July Flood Event 7/16/2013
Flooding from December Thaw 12/21/2013
Flooding from January Thaw 1/13/2014
Aerial Seeding the Emergent Species.
Aerial Seeding the Emergent Species
– Note the seeds on the ice.
EPA 319 Project Kiosk
Located at the Bath Nature Preserve
Ira Road Trailhead
Planting of Wetland Trees and Tubers

Bath Township Park personnel planted 22 trees consisting of both Black Willows and Black gums, 100 Bog Willows cuttings and over 200 tubers of Jerusalem Artichokes in the fall of 2014.
EPA 319 Project Display Board
Successful completion of the restoration effort is expected to reduce flooding and improve overall water quality in the Yellow Creek watershed.