Maumee Bay Nature Center Wetland Rain Garden

Project Sponsor
Maumee Bay Nature Center
Great Lakes Restoration Initiative (GLRI) Grant
$6,987.49

Local Project Contact
Laurel Ashley
Maumee Bay Nature Center
1400 State Park Road
Oregon, OH 43616

Environmental Results
Installation of a multiple barrel rainwater storage system
Reconstruction and restoration of 2 acres of wetlands as a rain garden
Planting of 2 acres of wetland species
Treatment/removal of 2 acres of invasive species

Ohio EPA
Division of Surface Water
Nonpoint Source Program
614-644-2020
Lone Oak Subdivision-Storm Water Treatment Demonstration Project

Project Sponsor
Village of Whitehouse
Great Lakes Restoration Initiative (GLRI) Grant
$78,265 Federal
$26,088 Local Match

Local Project Contact
Jordan Daugherty
Village of Whitehouse
6925 Providence Street
Whitehouse, OH 43571

Environmental Results
Retrofitted a 500-foot long street with a cul-de-sac using pervious pavement to demonstrate storm water best management practices on local residential streets.

The demonstration project included installation of both porous asphalt and permeable concrete at different locations to compare effectiveness and durability of two different materials.
Rain Garden P.P.

Project Sponsor
Lucas County Engineer
Great Lakes Restoration Initiative (GLRI) Grant
$37,400

Local Project Contact
Brian Miller
Lucas County Engineer
1049 South McCord Road
Holland, OH 43528

Environmental Results
Installed 2,900 square feet of permeable pavement
Installed 6,720 square feet of rain gardens
Project specific education and outreach

Ohio Environmental Protection Agency
Division of Surface Water
Nonpoint Source Program
614-644-2020
Oregon Bio-retention Facility Community Demonstration Project

**Project Sponsor**
City of Oregon
Great Lakes Restoration Initiative (GLRI) Grant
$103,228.70

**Local Project Contact**
Paul Roman
City of Oregon
5330 Seaman Road
Oregon, OH 43616

**Environmental Results**
Installation of 4,950 square feet of bioretention cell demonstrations at a highly visible port of the City of Oregon’s Recreation Complex
Project specific education and outreach

OhioEPA
Division of Surface Water
Nonpoint Source Program
614-644-2020
UT Passive Stormwater Treatment Demonstration

Project Sponsor
University of Toledo
Great Lakes Restoration Initiative (GLRI) Grant
$32,898 Federal

Local Project Contact
Cyndee Gruden
University of Toledo
2801 West Bancroft Street
Toledo, Ohio 43606

Environmental Results
Installed and planted 765 square feet of bioswale
Installed curb, curb cuts and flume to direct flow to bi-infiltration system

Ohio EPA
Division of Surface Water
Nonpoint Source Program
614-644-2020
Blue Creek Conservation Area Wetland Restoration

Project Sponsor
Metroparks of the Toledo Area
Great Lakes Restoration Initiative (GLRI) Grant
$48,225 Federal

Local Project Contact
Joe Fausnaugh
Metroparks of the Toledo Area
5100 W. Central Avenue
Toledo, Ohio 43615

Environmental Results
Restored 5 acres of wetland
Planted 5 acres of wetland species
Conducted public education and outreach

A Successful Wetland Baseline with Monitoring

OhioEPA
Division of Surface Water Nonpoint Source Program
614-644-2020

The Ins and Outs of Wetland Mechanics
Harroun Community Park Storm Water Demonstration

Project Sponsor
City of Sylvania
Great Lakes Restoration Initiative (GLRI) Grant
$82,162 Federal
$3,429 Local Match

Local Project Contact
Kevin Aller, P.E.
City of Sylvania
6730 Monroe Street
Sylvania, OH 43560

Environmental Results
Installed approximately 1,700 square feet of bio-retention cell
Conducted public education and outreach
UT Tree Filter Bioretention Demonstration

Project Sponsor
University of Toledo
Great Lakes Restoration Initiative (GLRI) Grant
$35,154 Federal

Local Project Contact
Cyndee Gruden
University of Toledo
2801 West Bancroft Street
Toledo, Ohio 43606

Environmental Results
Installed tree filter bioretention system.
Permeable Pavement

**Project Sponsor**
Lucas County Engineer
Great Lakes Restoration Initiative (GLRI) Grant
$39,600

**Local Project Contact**
Brian Miller
Lucas County Engineer
1049 South McCord Road
Holland, OH 43528

**Environmental Results**
Installed 3,600 square feet of permeable pavement
Project specific education and outreach
Centennial Leadership Center - Building for the Future

**Project Sponsor**
Boy Scouts of America-Erie Shores Council
Great Lakes Restoration Initiative (GLRI) Grant
$45,728 Federal

**Local Project Contact**
Ed Caldwell
Boy Scouts of America-Erie Shores Council
5600 West Sylvania Avenue
Sylvania, Ohio 43623-3307

**Environmental Results**
Installed 2,900 square feet of permeable pavement
Installed 3,100 square feet of community rain garden
Artists’ Village Storm Water Project

Project Sponsor
Toledo Botanical Garden
Great Lakes Restoration Initiative (GLRI) Grant
$48,675 Federal
$86,698 Local Match

Local Project Contact
Karen Ranney Wolkins
Toledo Botanical Garden
5403 Elmer Drive
Toledo, Ohio 43615

Environmental Results
Installed 2,500 square feet of permeable pavement
Installed 200 square feet of community rain garden
Installed 2,250 square feet of vegetated infiltration areas
Blue Creek Conservation Area Ditch Restoration

**Project Sponsor**
Metroparks of the Toledo Area
Great Lakes Restoration Initiative (GLRI) Grant
$79,755 Federal

**Local Project Contact**
Joe Fausnaugh
Metroparks of the Toledo Area
5100 W. Central Avenue
Toledo, Ohio 43615

**Environmental Results**
Installed 4,074 linear feet of two-stage ditch
Conducted public education and outreach
12GLRI-LUCA-30

Toledo Avenue Parking Lot-Storm Water Treatment Demonstration Project

Project Sponsor
Village of Whitehouse
Great Lakes Restoration Initiative (GLRI) Grant
$18,000 Federal
$116,288.79 Local Match

Local Project Contact
Jordan Daugherty
Village of Whitehouse
6925 Providence Street
Whitehouse, OH 43571

Environmental Results
Constructed 1,500 square feet of bioswale/bioretention cells
Nutrient Reduction for Lake Erie Maumee Bay State Park

Project Sponsor
Ohio Department of Natural Resources
Great Lakes Restoration Initiative (GLRI) Grant
$5,675

Local Project Contact
Mark Hoffhines
ODNR, Ohio State Parks
2045 Morse Road
Columbus, Ohio 43229

Environmental Results
Provided 117 days of Canada goose/gull control with specifically trained dogs
Installed 4 project specific signs at Conducted public education and outreach

Great Lakes Restoration
Ohio Environmental Protection Agency
Division of Surface Water Nonpoint Source Program
614-644-2020
Wolf Creek Floodplain Enhancement Project

**Project Sponsor**
City of Oregon
Great Lakes Restoration Initiative (GLRI) Grant
$19,870

**Local Project Contact**
Paul Roman
City of Oregon
5330 Seaman Road
Oregon, OH 43616

**Environmental Results**
Planted 4,800 native Ohio wetland plugs and 30 native shrubs along floodplains adjacent to Wolf Creek
Project specific education and outreach
Alternative Street Improvement Demonstration Project

Project Sponsor
City of Toledo Public Utilities Department
Match for Great Lakes Restoration Initiative (GLRI) Grant
$142,000 Match

Local Project Contact
Andy Stepnick
City of Toledo
600 Jefferson Avenue #300
Toledo, OH 43604

Environmental Results
Retrofit one of the numerous unimproved streets with a system of 30 vegetated bioswales. System includes different covers for the bioswales so that varying effectiveness can be monitored.
South Erie Street Rain Garden Demonstration Project

Project Sponsor
Toledo Division of Environmental Services
Great Lakes Restoration Initiative (GLRI) Grant
$7,999.61

Local Project Contact
Regina Collins
Toledo Division of Environmental Services
348 South Erie Street
Toledo, OH 43604

Environmental Results
Installed 2,900 square feet of rain garden, which acts as a natural stormwater management system for water running down Kraus Street.