

Targeting Urban BMP's in Lucas County



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Lucas County, Ohio



Toledo Skyline

Ohio's 4th most populous county with >440,000 residents
5 cities – 6 villages – 11 townships- 1 ghost town
Outdated stormwater infrastructure
Highly modified urban streams and watersheds

NW Ohio Trivial Pursuit



What is the only war in the history of Ohio in which shots were fired but there was not a single casualty?

The Toledo War

1835-1836

In a border dispute state militias from Ohio and Michigan were mobilized and sent to opposite sides of the [Maumee River](#) near [Toledo](#), but besides mutual taunting (*which continues to this day every November*) there was little interaction between the two forces. The single military confrontation of the "war" ended with a report of shots being fired into the air, incurring no casualties.

2012 Lucas County Stormwater Demonstration Project

Funded in part by a 2012 Great Lakes Restoration Initiative Grant awarded to Ohio EPA by US EPA's Great Lakes National Program Office.

Designed to “take the sting” out of local adoption of innovative green stormwater best management practices throughout Lucas County, Ohio.

Part of Ohio's broader initiative to reduce nutrient loadings to western Lake Erie.

What are some of the Problems?



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Increased STORMWATER runoff from impervious areas and altered habitat and hydromodification are high magnitude causes of impairment in virtually every urban stream in Ohio.



What are some of the issues preventing local governments from adopting greener stormwater BMPs?



No money to try new stuff
Limited Land Space
New School – Old School



**So how might Ohio EPA
be able to help?**

FUNDING

GLRI - Surface Water Improvement Grants

Authorizes Ohio EPA to make grants for nonpoint source water quality improvement projects.

FY2012 Lucas County GLRI-SWIF Highlights

9 projects originally funded totaling \$780,745 in Great Lakes Restoration Initiative funding and an additional \$150,000 in state SWIF funding

Thank you
Kate, Lynnette
and Cherie

FY12 Lucas County GLRI-SWIF Recipients

Grantee	Amount
City of Toledo (2)	\$150,000
Maumee Bay State Park	\$10,300
Village of Whitehouse	\$114,303
Lucas County	\$58,570
City of Oregon	\$110,147
Lucas County SWCD	\$140,000
University of Toledo	\$36,000
Toledo Metroparks	\$100,000
Village of Holland	\$50,000

INNOVATIVE STORMWATER DEMONSTRATION PROJECTS

**Projects funded under FY12 Lucas
County GLRI Grant will install:**

40 Vegetated Bioswales

10 Bio-Retention Cells

12 Community Scale Rain Gardens

4 Pervious Pavement Projects

2 Stormwater Filtration Systems

2 Rainwater Harvesting Systems

FY12 Lucas County GLRI-SWIF Recipients





Pervious Pavement Demonstrations

Rain Gardens



SWIF grants allowed communities to try new things

SWIF GRANTS

Improving Water Quality One Storm at a Time



SWIF Grants

Small Projects Making a BIG Difference



Small Projects Making a BIG Difference Influencing Decision Makers



Great Lakes
RESTORATION



What's Next?

Supplemental Lucas County ONLY Request for Proposals – applications due June 21st, 2013. We have nearly \$300,000 in funding for additional stormwater demonstration projects.

Application guidelines have been revised to allow for existing grantees to apply for additional projects.

This project is a testament to the highly effective partnership between Ohio EPA, US EPA-Great Lakes Office, Region 5 NPS staff and without question, the communities of Lucas County.

What's Next?

National Nonpoint Source Monitoring Workshop in Cleveland October 28th through 30th.

This workshop brings together national water quality experts from 40 or more states highlighting successful GLRI projects, stormwater management innovations and national NPS monitoring projects.

Wyndham Hotel at Playhouse Square
www.npsmonitoring.tetrattech-ffx.com/

Co-sponsored by Ohio EPA, US EPA-Region 5 and the cities of North Olmsted Ohio and Cleveland.

Ohio EPA Lucas GLRI and SWIF Grants

Helping Ohioans do very good things



Environmental
Protection Agency

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