#### **Targeting Urban BMP's in Lucas County**



Russ Gibson, NPS Program Manager Ohio EPA-Division of Surface Water



#### Lucas County, Ohio



**Toledo Skyline** 

Ohio's 4<sup>th</sup> 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440,000 residents 5 cities – 6 villages – 11 townships- 1 ghost town Outdated stormwater infrastructure Highly modified urban streams and watersheds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 <u>Maumee River</u> near <u>Toledo</u>, 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 <u>virtually every urban stream</u> in Ohio.

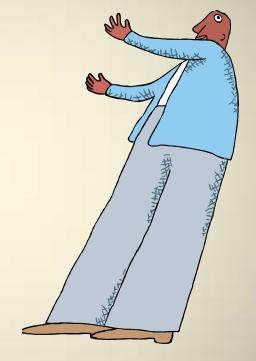


## What are some of the issues preventing local governments from adopting greener stormwater BMPs?



# 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	<del>\$140,000</del>
University of Toledo	\$36,000
Toledo Metroparks	\$100,000
Village of Holland	<del>\$50,000</del>

# 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

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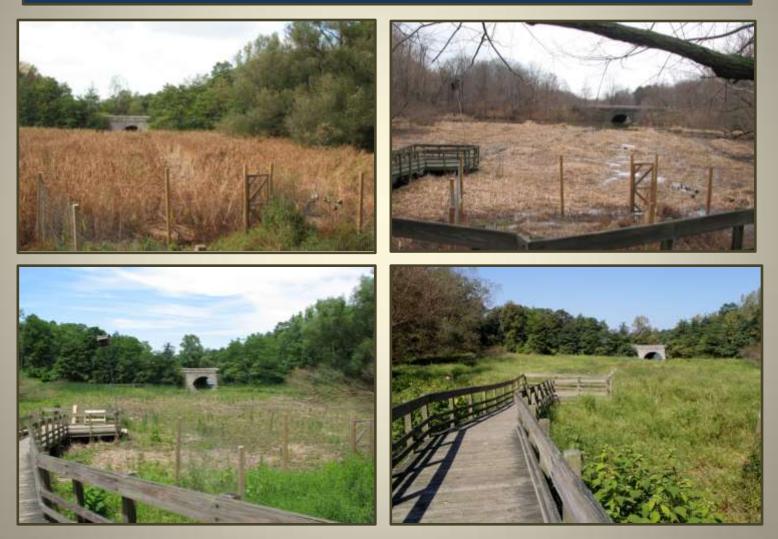


#### SWIF grants allowed communities to try new things

## 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









# What's Next?

Supplemental Lucas County ONLY Request for Proposals – applications due June 21<sup>st</sup>, 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 <u>without</u> <u>question</u>, the communities of Lucas County.

# What's Next?

National Nonpoint Source Monitoring Workshop in Cleveland October 28<sup>th</sup> through 30<sup>th</sup>.

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.tetratech-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





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