



Partners
for Clean
Streams



PARTNERS FOR CLEAN STREAMS

2012 PCS BOARD OF DIRECTORS & EXECUTIVE DIRECTOR

Patrick Lawrence, Ph.D.: President

Tim Schetter: VP & Secretary

Colleen Dooley: Treasurer

Andrew Curran: Board member

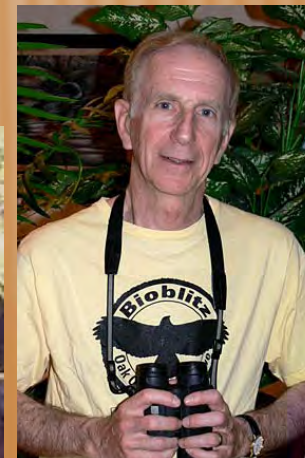
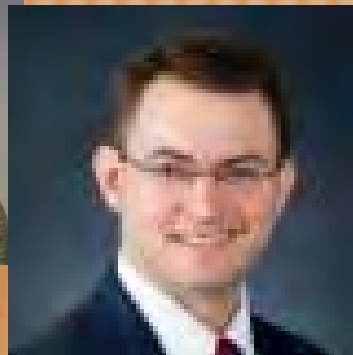
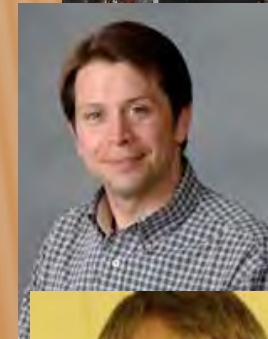
Shawn Reinhart: Board member

Phil Blosser: Board member

Terry Shankland: Board member

Elliot Tramer: Board member

Kristina Patterson: Executive Director



ABOUT THE ORGANIZATION

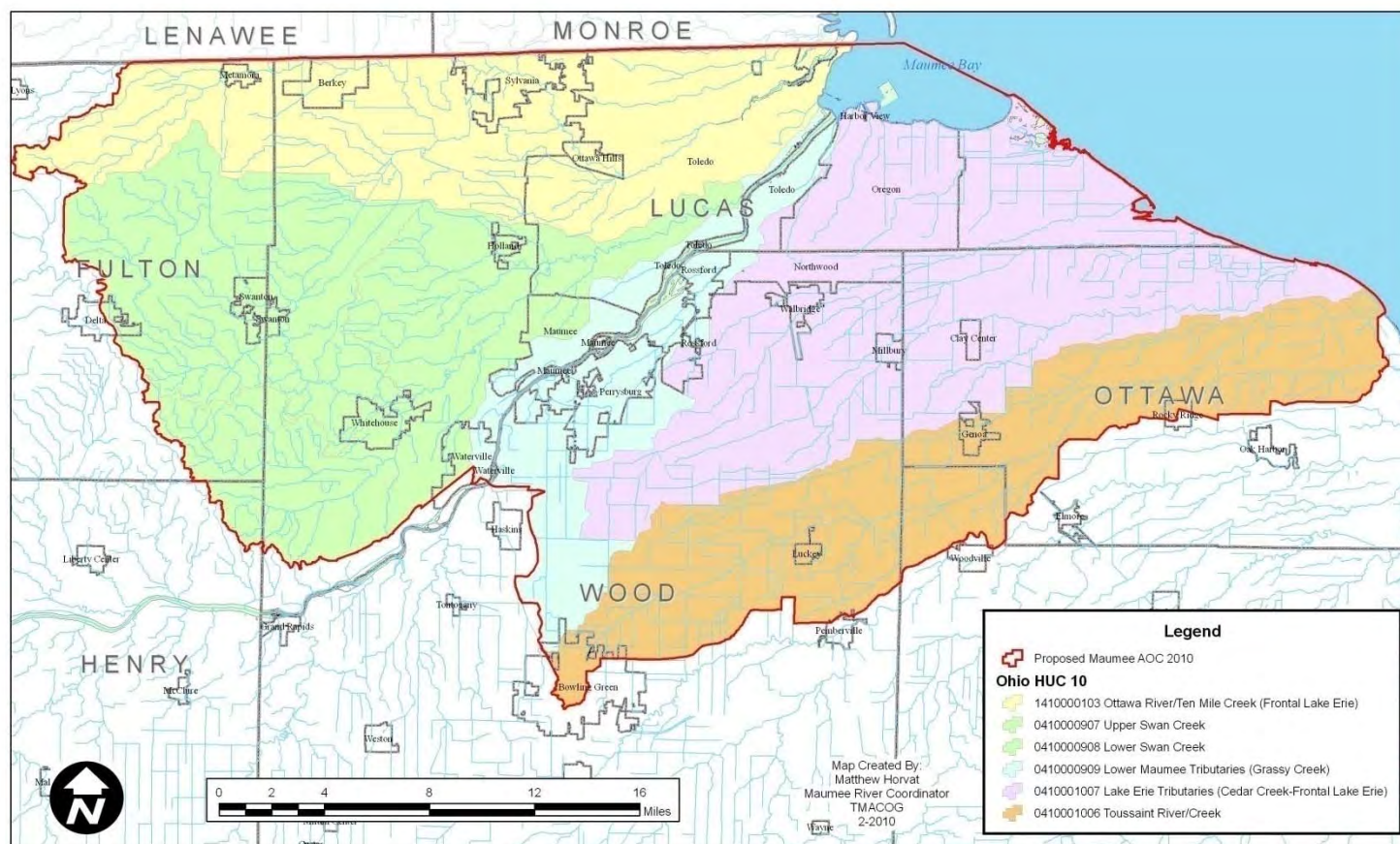
By Kris Patterson, Executive Director

PCS AND MAUMEE RAP COMMITTEE

- Formed in 2007 - grew out of the Maumee RAP Program
- A 501(c)3 non-profit community organization
- Supports local and regional water quality improvements
- Maumee RAP Committee is nestled in PCS organization and works side-by-side with State and Federal RAP program

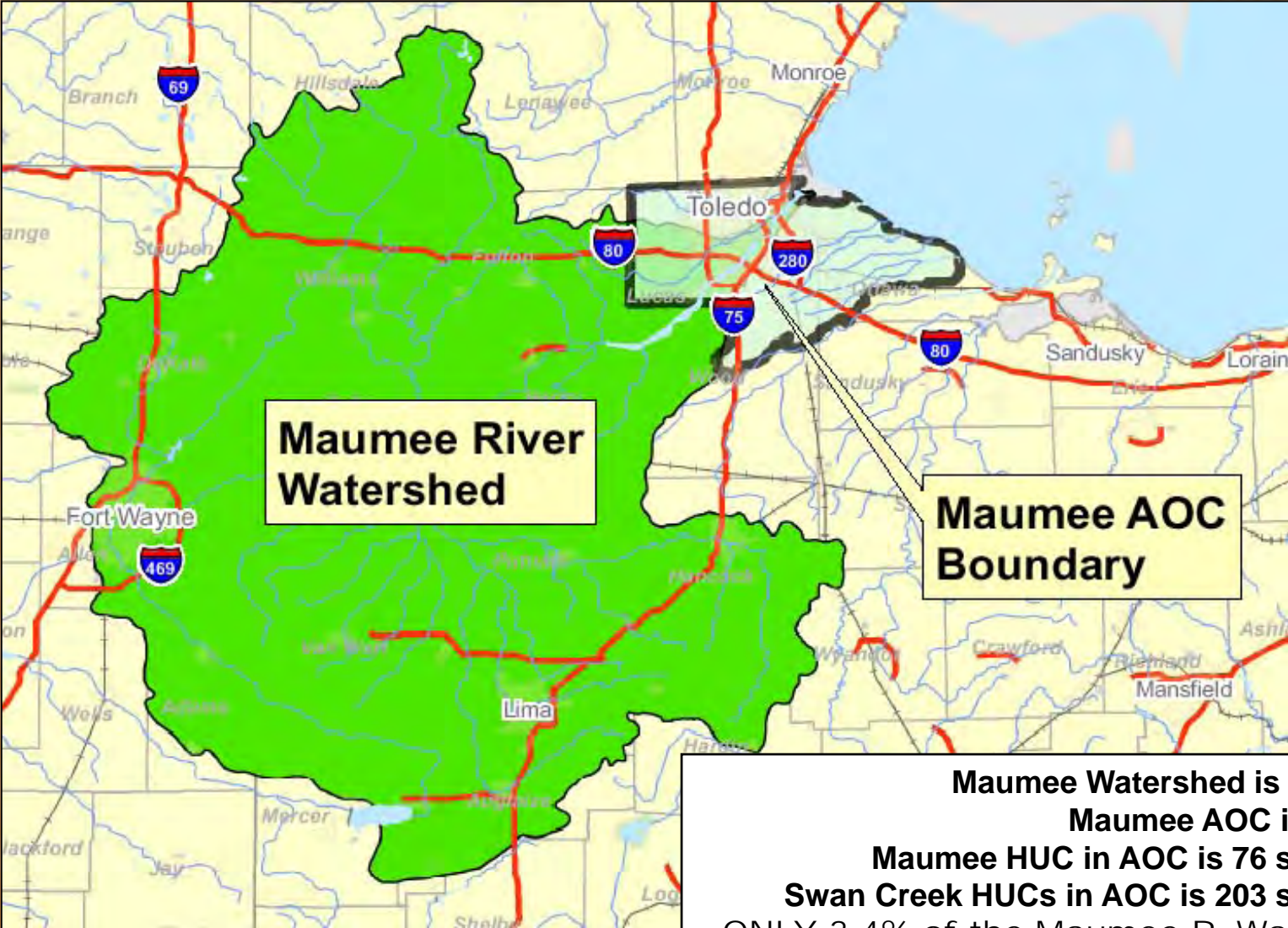


MAUMEE AREA OF CONCERN VS WATERSHEDS



**Boundary was changed to shift from 11/14 HUCs to 10/12 HUCs.
Maumee AOC is six 10-digit HUCs totaling 11 independent watersheds.
Maumee AOC is 787 sq miles.**

MAUMEE WATERSHED VS AREA OF CONCERN



Maumee Watershed is 8,316 sq miles

Maumee AOC is 787 sq miles

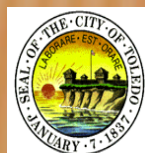
Maumee HUC in AOC is 76 sq miles (.91%)

Swan Creek HUCs in AOC is 203 sq miles (2.4%)

ONLY 3.4% of the Maumee R. Watershed is in
Maumee AOC

LOCAL INVOLVEMENT - LOTS OF PARTNERS

- Project Planning, development and implementation
- Diversified funding sources (grants, foundations, private donations)
- Legislative updates/support
- Lead for partnership building, planning, and implementation
- Local umbrella for all to collaborate under
- Here's a sample of our partners (list not all inclusive)...



WHAT DO WE DO?

By Kris Patterson, Executive Director

10TH ANNUAL PARTNERING FOR CLEAN STREAMS YOUTH/SCOUT PATCH PROGRAM

Sunday , March 4, 2012

- PCS Workshop
- 81 total participants
- Attendants earned *Maumee RAP Patch*
- Activities based on land management, conservation, and environmental restoration

Saturday, April 21, 2012

- Global Youth Service Day
 - Over 100 volunteers
 - Over 200 drains stenciled
 - Over 500 educational flyers throughout neighborhoods
- 10 Jurisdictions & Municipalities



8TH ANNUAL GET THE LEAD OUT! CLEAN UP

Mid May to Mid August 2012

- June, July, and August when the water levels are lower
- Multiple Maumee River sites after the fishing runs
- Do-it-yourself kits provided, giving groups flexibility
- Great for adult and youth service organizations



15TH ANNUAL CLEAN YOUR STREAMS DAY

September 17, 2011

- 726 Total Participants
- 50 land sites and 1 boat site cleaned
- 22,840 lbs (18,700 lbs garbage + 276 tires)
- Peculiar Items Found: gun safe, prom dress, koala statue, 18' boat w/motor, pipe organ, 1988 hunting license, antique ringer washing machine, parking tickets (5), Employee of the Month award, 1973 Pepsi can, book bag w/anatomy & biology books



WHAT ELSE?

- Watershed-planning (Stage 2 Watershed Plan)
- Research (like the Wetland Inventory)
- Secure grants (like the Miakonda grant)
- Collaborate with other environmental partners
- Host workshops and field days
- Fundraising



OTTAWA RIVER WETLAND AND HABITAT RESTORATION PROJECT

at Camp Miakonda

CAMP MIAKONDA AND OTTAWA RIVER RESTORATION

- \$1.36 Million GLRI grant from US EPA
 - 3 year duration Sept 2010-Dec 2013
- Goals of restoration project
 - Restore/enhance approx. 10 acres & approx 30 acres associated
 - Reduce erosion & stream bank restoration from 1200' of adjacent Ottawa River
 - Increase in-stream habitat for fish and macro invertebrates
 - Increase diversity of in-water habitat for Lake Sawyer, allowing fish to winter over and allowing more active use of Lake Sawyer by Scouts
 - Encourage educational use of wetland, lake, river, and upland habitat
 - Project contributes to BUI (Beneficial Use Impairment) goals and improvements for BUI 14 - Loss of Fish and Wildlife Habitat & BUI 3 - Degradation of Fish and Wildlife Habitat



OUTCOMES

Ecologically

- Stable stream bank, less sediment in river
- In stream fish habitat
- Maintain connected floodplain
- Diversify habitat
- Increased wildlife use

Camp

- Multi-uses, return active use of Lake, wetland
- Renewed programming
- Signage/Education
- Paths, trails, and access points
- Broaden use/partnership opportunities



MIAKONDA UPDATE

- Received 401/404 permit
- Received updated/corrected plans and specs
- Performed selective tree removal to be sensitive to Indiana bat exclusion areas and times
- Updated website with info on Miakonda
- Many presentations to area groups
- Putting consolidated bid request out for stream restoration, lake restoration, habitat management, plantings, and wetland creation
- Construction to occur in Sept/Oct 2012



ANTICIPATED TIMELINE

- **Now - Sept:** Final plan set, permits secured, bid process and award contracts
- **August - Sept:** harvest and re-locate plants
- **Early Sept - Mid Oct:** overall construction period
 - **Early Sept:** prep site (grub, maybe drain Lake)
 - **After Sept. 7:** work begins in earnest
 - **Mid/Late Sept:** stream restoration
 - **Sept-Oct:** Lake work in phases, overlap with stream
- **2013:** Remaining work is follow up for planting, repairing site conditions, monitoring and adaption
- **2016 and beyond-** Educational and hands on interaction with the restored areas (Lake, wetlands, trails, signs, etc)

JOB'S CHALLENGE PROGRAM

- NOAA cooperative agreement to implement and oversee “Maumee Corps” in the AOC
- Habitat restoration while putting people to work
- Outcomes: >1000 acres of habitat improved, >15,840 linear feet of streambank improved, and more
- Outcomes: 26 seasonal, part-time, temporary and/or full time positions over the next 18+ months
- PCS will have small team floating from project to project
- Metroparks will have a large dedicated team for their management areas
- Partners: Metroparks, The Nature Conservancy, City of Toledo, UT, and Boy Scouts

CAMP MIAKONDA AND OTTAWA RIVER RESTORATION



Enhance
wetlands



Rubble piles
between River &
Lake Sawyer



Address severe
stream bank erosion

CONTACT US

- PCS Staff
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- www.PartnersForCleanStreams.org
- Like us on Facebook to stay up-to-date
- Check out our new 2011 Annual Report
- Donate online to support our activities

Working towards fishable, swimmable, and drinkable waters for all the people (and wildlife) that live, work, and play in Northwest Ohio.