

Upper Tuscarawas River Technical Advisory Committee

Friday, August 26th, 2005
Green Community Center

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Upper Tuscarawas River
Watershed Coordinator

The background of the slide features several faint, concentric circular ripples in a lighter shade of blue, resembling water droplets or ripples on a pond, positioned in the lower right and bottom center areas.

Agenda

- **Welcome**
 - Questionnaire
- **Action Plan Review**
 - What are we updating
- **New Watershed Guidelines**
 - Appendix 8
- **Group Discussion**
 - What has occurred since the plan came out
- **Next Step**
 - Update Schedule and Next Meeting

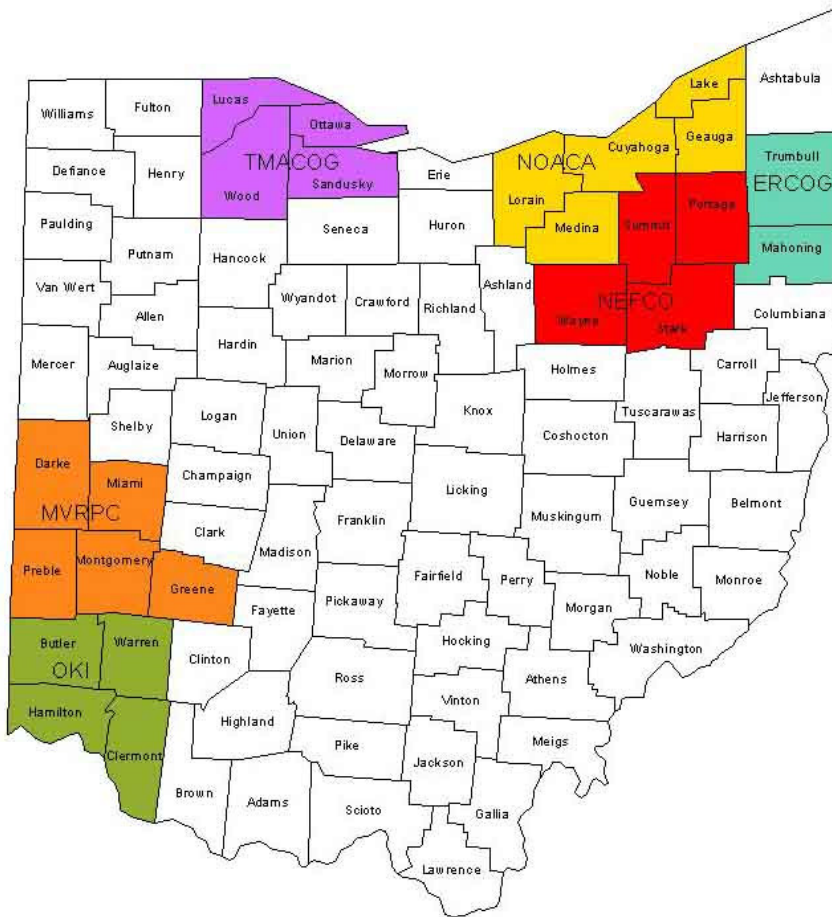


Welcome!

- **Purpose:** Update the Upper Tuscarawas River Watershed Action Plan so it is more beneficial to local stakeholders in protecting and restoring local water resources.
 - Up-to-date Information
 - More User Friendly (more maps, less text)
 - Locally Driven
 - Endorsable by the Ohio EPA and ODNR
 - Focused, Prioritized Actions
 - Formation of a Local Watershed Group
- **Meeting Goal:** Clear Direction for the Action Plan Update.

NEFCO

Areawide Planning Agencies: Partners in Managing Ohio's Water Resources



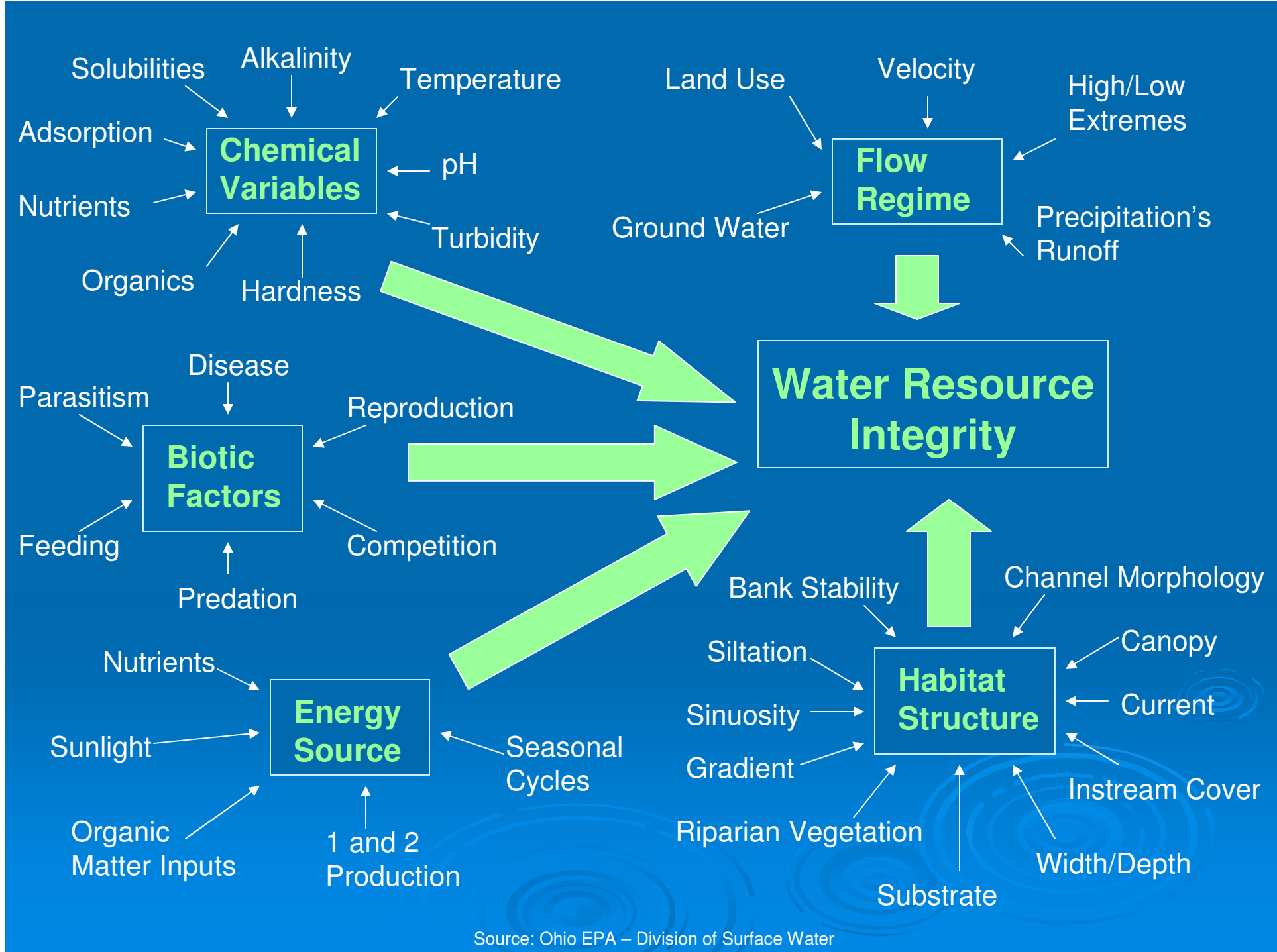
- One of Six Areawide Planning Agencies in Ohio
- Designated Water Quality Management Agency
- Regional Economic Planning
- Can Go Beyond Political Boundaries
- Voluntary Membership

Why Do Watershed Planning?

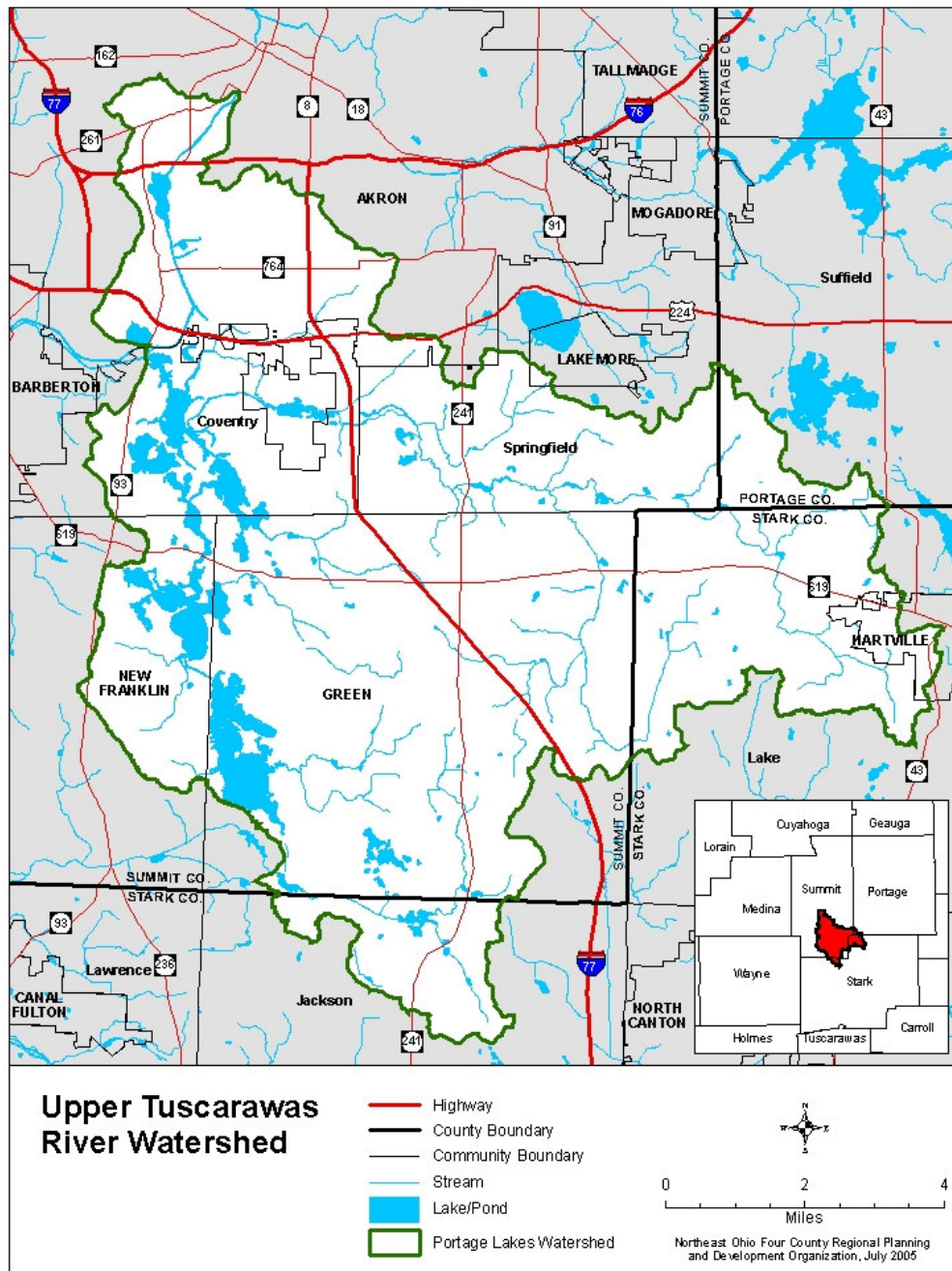
- Itemizes the Problems, Priorities, and Activities
- Focus and Integrate
- Pooling of Resources
- Holistic
- Locally Tailored for Your Unique Watershed

GOAL: Protect & Restore Water Quality





Source: Ohio EPA – Division of Surface Water



Upper Tuscarawas River Watershed

- 79 Square Miles
- Summit, Stark, and Portage Counties
- Portage Lakes
- Mid-Continental Divide
- Ohio-Erie Canal


Ohio EPA Water Quality Report

- No Section of the Upper Tuscarawas River is Fully Meeting State Water Quality Standards
- Impaired for Recreational Use - Bacteria
- Fish Consumption Advisory - PCBs
- Currently Being Sampled as Part of Ohio EPA's TMDL Program
- Results Due in Early 2006

NEFCO's History in the Basin

- 1977: Water Quality Assessment
- 1985: Nonpoint Source Pollution Assessment
- 1992: Portage Lakes: Inventory of Sewer Outfalls and Stream Inflows
- 1999: Watershed Action Plan
- 2000: Watershed Action with Cost Estimates
- 2001: Upper Tuscarawas River Watershed Coordinator Grant

Action Plan: Summary

- I. Land Use and Land Cover
 - 1994 & 1995 Data
 - II. Potential Pollution Sources
 - Point and Nonpoint Inventory
 - III. Critical Resources
 - IV. Riparian Zone Analysis
 - V. Portage Lakes Task Force
 - VI. Watershed Action Plan
 - Goals, Objectives, and Actions
- 

Action Plan: Goals

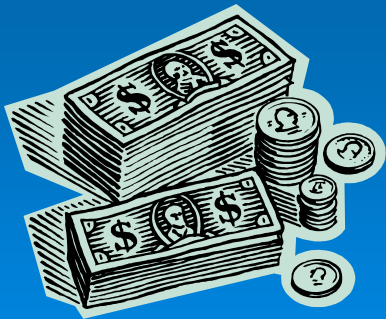
1. Reduce Fecal Contamination
2. Decrease Levels of Toxic Substances
3. Reduce Sedimentation and Siltation
4. Protect/Restore Shoreline and Riparian Habitat
5. Reduce Fertilizer and Pesticide Runoff
6. Decrease Salinity Impacts
7. Acquire a Stronger Understanding, Cooperation and Participation Regarding Water Quality Issues

Goals, Objectives, Priority Areas and Actions in Addition to Suggested Responsible Parties, Possible Funding Sources, Estimated Time Frames, Expected Improvements, Evaluations and Cost Estimates of the Upper Tuscarawas Watershed Action Plan

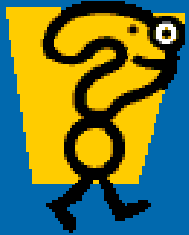
*Action	**Suggested Coordinating Party(ies)	***Possible Funding Source(s)	****Est. Time Frame	Expected Improvement(s)	Evaluation	*****Cost Estimate
Goal 1: Reduce nutrient and bacteria loads, from fecal contamination, in lakes and streams						
Objective 1.1: Decrease potential nutrient and bacteria loads from discharging off-lot , i.e., point source, home/semi-public sewage disposal systems (HSDSs) and (SPSDSs)						
Priority Areas: Subwatersheds 2 and 3; especially along SR. 619, S.R. 241 and to the east of S.R. 93						
a. Establish a permit system to facilitate HSDS and SPDS inspection and maintenance (D3)	<ul style="list-style-type: none"> - State and Local Health Departments - Ohio EPA 	<ul style="list-style-type: none"> - Local Property/Home Owner Operation & Maintenance Fee 	3 years	Lower number of malfunctioning/failing HSDSs and SPDSs	Number of systems inspected, pumped, and/or repaired	\$352,000/year for DOES Summit County Inspections
b. Repair or replace faulty HSDSs and SPDSs (D3)	<ul style="list-style-type: none"> - Local Health Departments - Ohio EPA 	<ul style="list-style-type: none"> - NPS Program (ODNR) - WPCLF - WPCLF (Linked Deposit) - PL-566 - CWA Section 319 NPS (Ohio EPA) 	3 years	Lower number of malfunctioning/failing HSDSs and SPDSs	Number of systems repaired or replaced	\$3,000-\$8,000 average cost to replace HSDS up to \$1,000 to repair HSDS \$10,000-\$15,000 to replace SPDS, less to repair
c. Research cost effective and environmentally-sound alternatives to control water pollution from HSDSs and SPDSs, e.g., constructed wetlands (A1)	<ul style="list-style-type: none"> - Local Health Departments - NEFCO 	<ul style="list-style-type: none"> - WPCLF - WPCLF (Linked Deposit) - PL-566 - R&D Grant 	3 years	Viable alternatives to control water pollution from HSDSs and SPDSs, especially where current technology is limited, e.g. poor soils	Types of research conducted, data collected, and results	\$42,000-\$105,000 for constructed wetland

Action Plan Review

- 7 Goals
 - 21 Objectives
 - 79 Identified Actions
 - 0 Projects Identified
 - No Measurable Goal/Load Reduction



**= Few Water Quality
Improvement Projects and
Little Outside Funding**



Why Update?

Since the Action Plan was Completed:

- Summit County's Setback Ordinance
- Storm Water NPDES Permit Phase 2
- Summit Metro Parks Wetlands Inventory
- Ohio River Basin Clean Water Plan (NEFCO)
- Summit HD's Septic System Program
- Ohio EPA Water Quality Survey (TMDL)
- Other Local Initiatives
- New State Guidelines for Action Plans!

State Action Plan Guidelines

- Developed in 2002 and 2003
- Appendix 8 and Endorsement Guidelines
- Help Ensure Plans Being Produced by Watershed Groups Addressed Known Problems
- Work in Smaller Areas (Subwatersheds)
- Link Actions to Water Quality Information
- Pollution Reduction Computer Modeling

Why Get Endorsed?

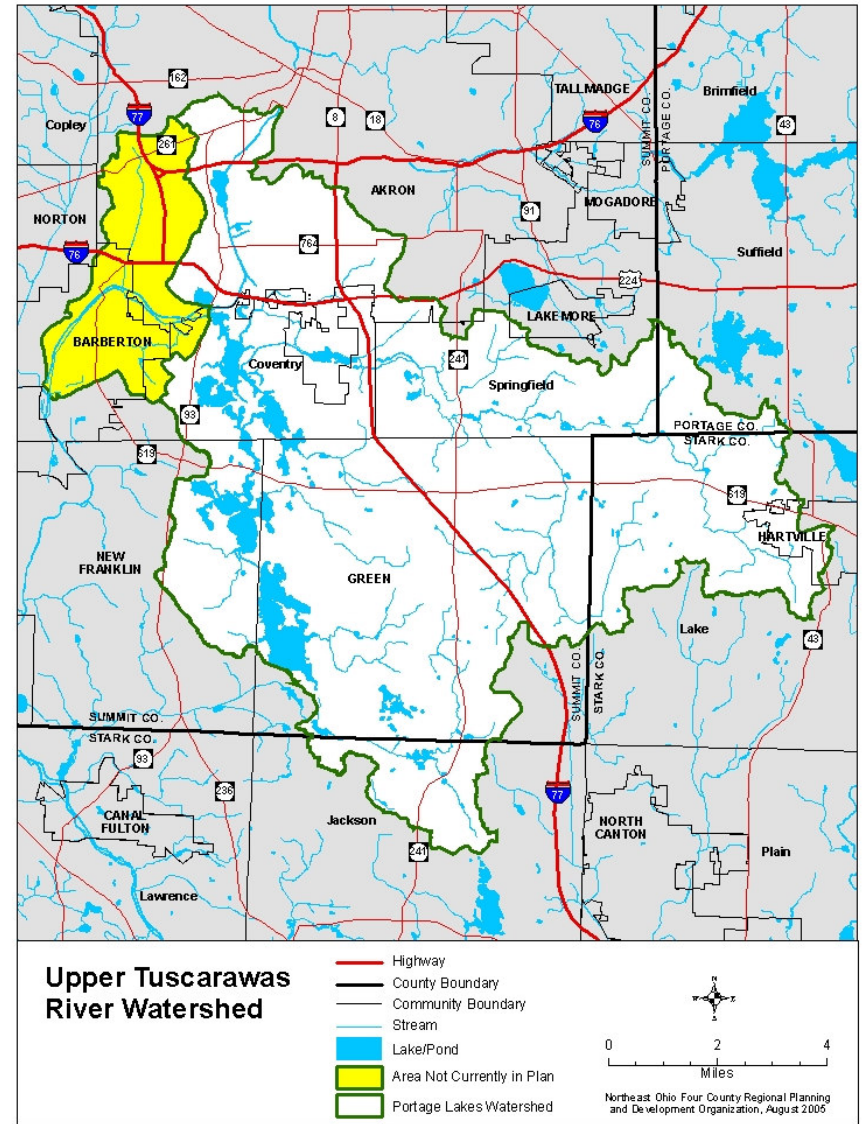
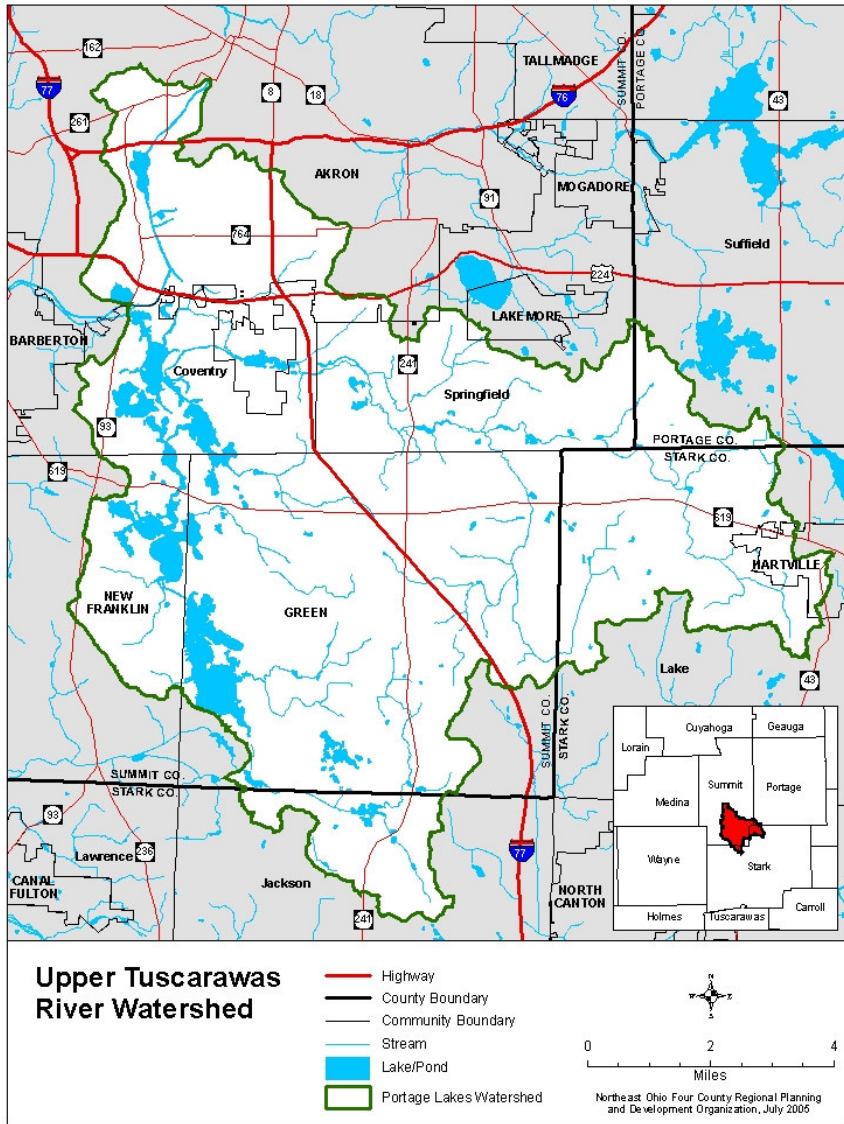
- It's Been Proven to Work!
- Linked to Outside Funding:
 - Ohio EPA Section 319 Grants
 - WRRSP
 - Linked Deposit
 - EQUIP
- Upper Tuscarawas River Action Plan **DOES NOT** Meet the New Guidelines

Possible Discussion Topics:

- Questionnaire
- What Information Needs Updating
- What Information is Missing
- Local Water Quality Problems
- Desired Actions
- Local Watershed Group
- Study Area Size
- Plan Format



Expanding the Study Area:



Next Step

➤ Update Schedule:

- Goal is to be completed by Jan. 2006

➤ Future Meeting Topic:

- TMDL, MWCD, Phase 2

➤ Website for Update Information:

- www.uptuscs watershed.org/tuscarawas_tac.htm

➤ Next Meeting:

- Monthly?