

MVRPC Water & Environment Subcommittee

ODA Program Update



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ODA Watershed Program Update

- H2Ohio Rivers Announcement
- H2Ohio Statewide ODA Expansion
- ODA Regional Watershed Plans
- Regional Program Development

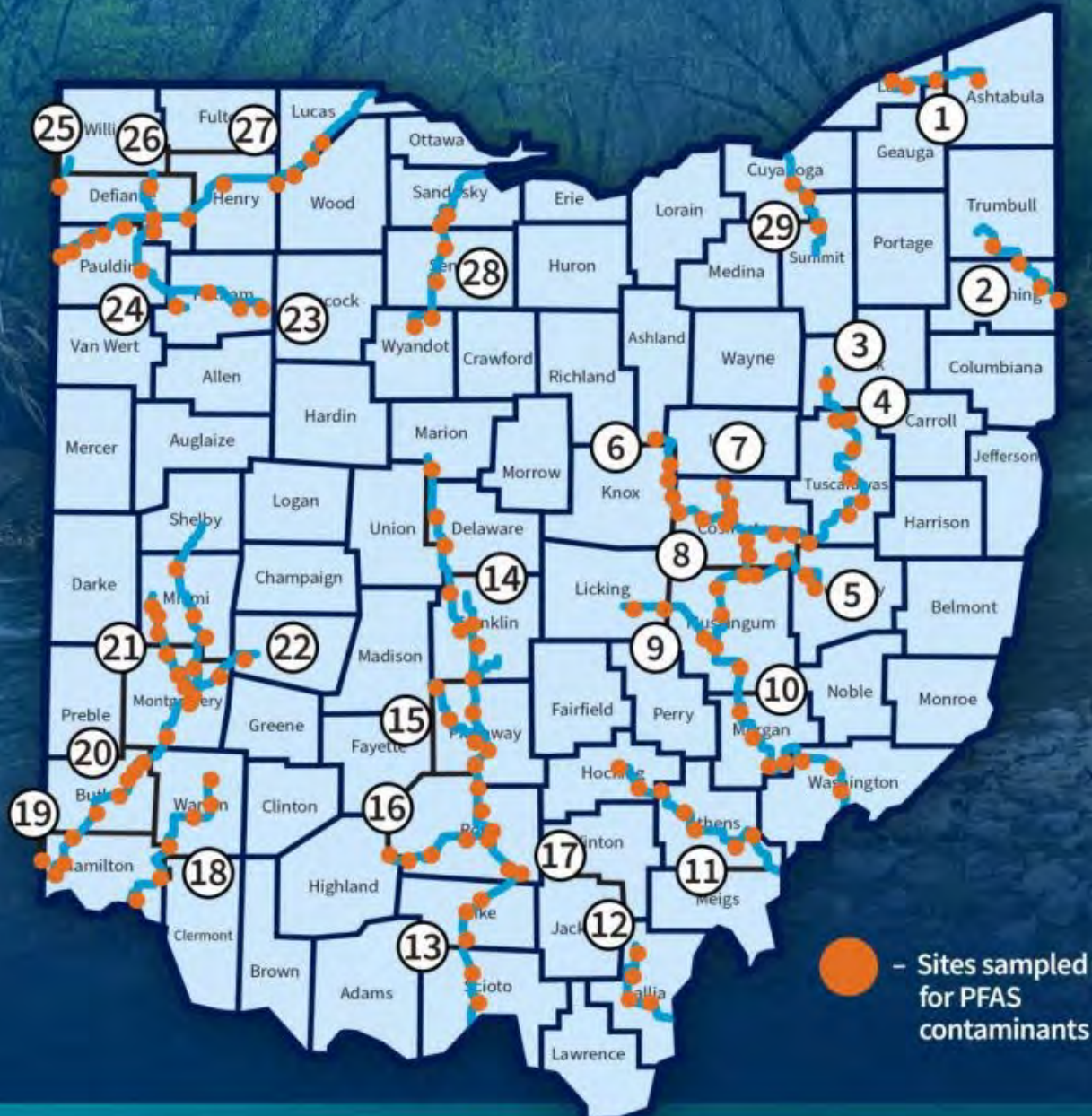
H2Ohio

Rivers Program

PFAS Prevalence Study

Study of Per- and Polyfluoroalkyl Substances (PFAS) in Ohio Rivers

- | | | | |
|---------------------|---------------------|------------------------|----------------------|
| 1. Grand River | 8. Walhonding River | 15. Big Darby Creek | 22. Mad River |
| 2. Mahoning River | 9. Licking River | 16. Paint Creek | 23. Blanchard River |
| 3. Tuscarawas River | 10. Muskingum River | 17. Salt Creek | 24. Auglaize River |
| 4. Sandy Creek | 11. Hocking River | 18. Little Miami River | 25. St. Joseph River |
| 5. Wills Creek | 12. Raccoon Creek | 19. Whitewater River | 26. Tiffin River |
| 6. Killbuck Creek | 13. Scioto River | 20. Great Miami River | 27. Maumee River |
| 7. Mohican River | 14. Olentangy River | 21. Stillwater River | 28. Sandusky River |
| | | | 29. Cuyahoga River |



MIKE DEWINE
GOVERNOR OF OHIO

H2Ohio

H2Ohio Rivers Program

Dam Removal

Locations Along the Great Miami River in Miami County

 Type of River Dam: Sheet Pile

 Type of River Dam: Low Head



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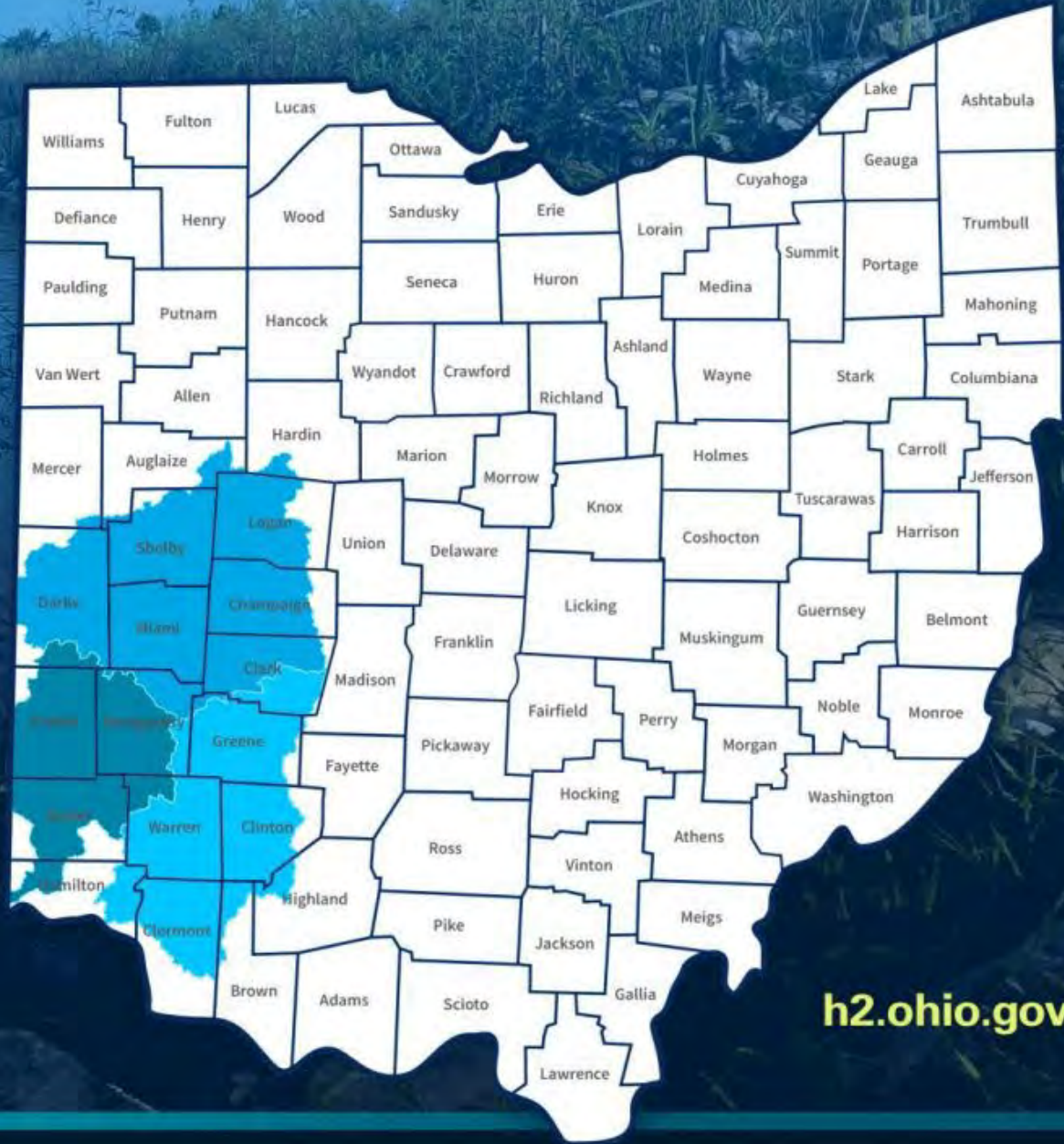
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Rivers Program

Conservation

Miami Rivers Conservation Reserve Enhancement Program (CREP)

- Upper Great Miami
- Lower Great Miami
- Little Miami



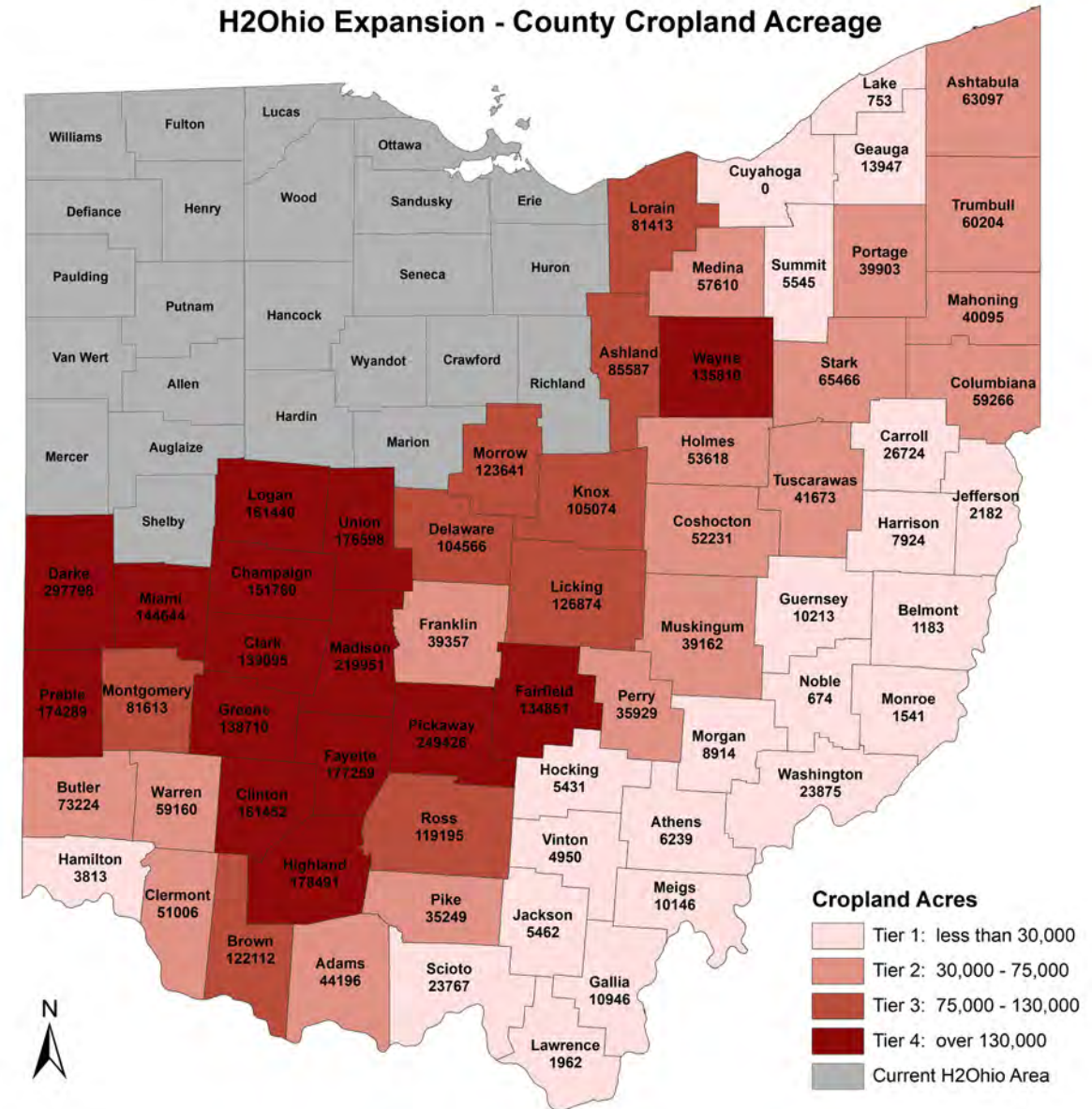
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ODA Statewide H2Ohio Expansion

- Enrollment planned for 2024
- Focus on nutrient management plans
- 500,000 acre planned enrollment across 64 counties
- Acreage allotted per county based on agricultural land



Regional Watershed Plans are Complete

Ohio Department of Agriculture

AGRICULTURE IN OHIO SAFEGUARDING ANIMALS & PLANTS PROTECTING CONSUMERS CONSERVING RESOURCES

Divisions / Soil & Water Conservation / Resources / 1st Edition Ohio Regional Watershed Plans

1st Edition Ohio Regional Watershed Plans

Soil & Water Conservation

WELCOME

ABOUT US

RESOURCES

QUESTIONS

FORMS

LAWS & RULES

SHIPPING/MAILING

RESOURCES FOR SWDCS

FIND A LOCAL SWCD

AGRICULTURAL POLLUTION

Share this

For more information

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★ Regional Office location (2002)

[House Bill 7 \(137th General Assembly\)](#) initiated the ODA Watershed Program with the directive to engage in collaborative, regional-scale watershed planning and management. Regional Watershed Plans are the product of that, and have been developed for the purpose of supporting local conservation initiatives, developing new regional programs, and help guide the expansion of [Governor DeWine's H2Ohio program](#).

The plans provide regional watershed characterization, water quality data and goals, funding opportunities, and analysis of applicable management measures. The ODA Watershed Program works with local, state and federal partners to help support implementation.

Watershed plans are living documents and will be updated periodically to reflect current data and activities. Changes and improvements to these 1st Edition Regional Watershed Plans will be incorporated based on stakeholder feedback and insights gained through the development process. Feedback will be gathered over the next six months (through March 2024), and a 2nd Edition of the plans will be released in the fall of 2024. Subsequent editions will be released every two years, and will include updated information related water quality, regional priorities, and ongoing conservation implementation.

[Region 1 - Western Lake Erie Basin](#)

[Region 2 - Central Lake Erie Basin](#)

[Region 3 - Great and Little Miami Rivers Basin](#)

- Hosted on ODA website
- Download as PDF



Ohio Department of Agriculture

Regional Watershed Program

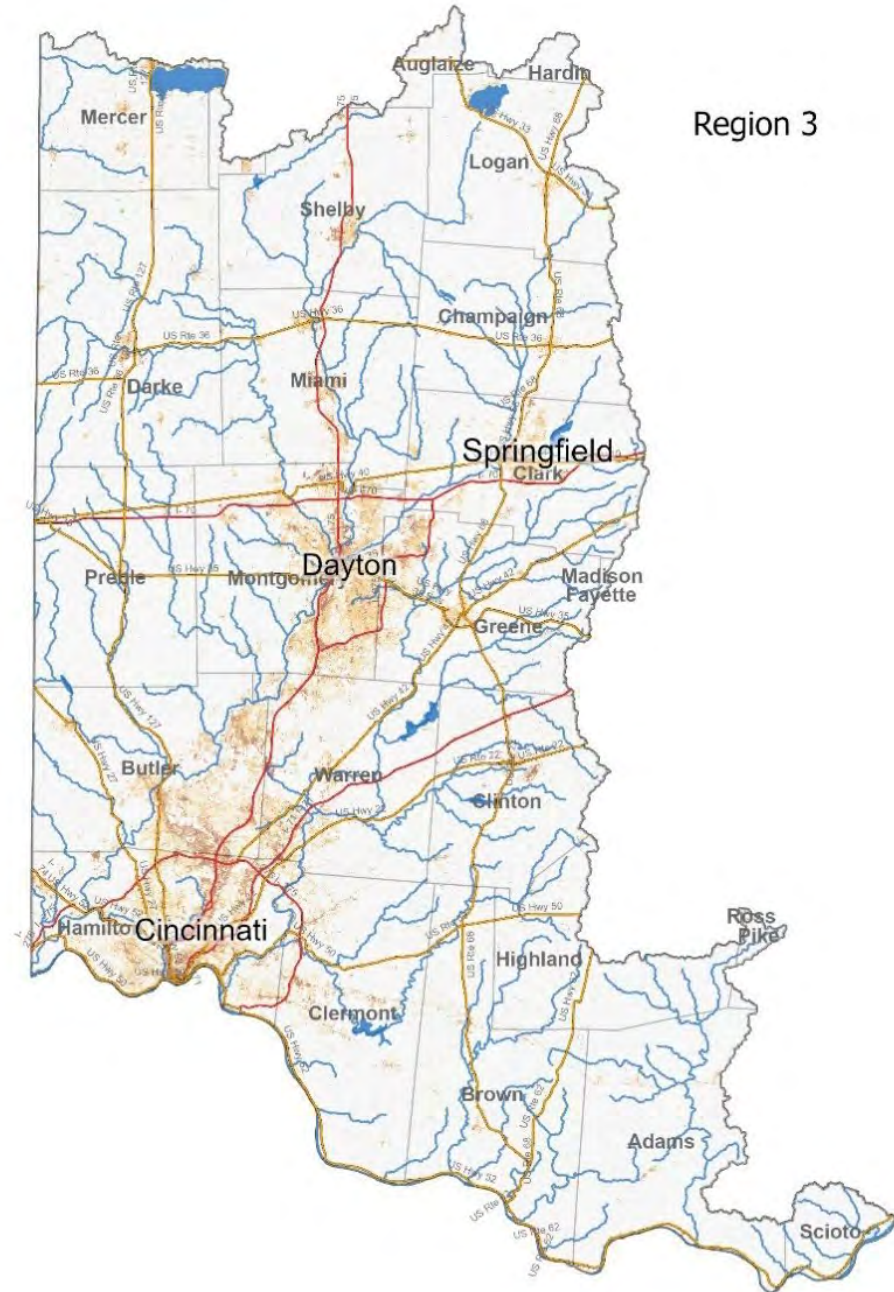
Watershed Plan, Region 3

First Edition

Ohio Department of Agriculture
Division of Soil and Water Conservation
Regional Watershed Program
2023

Regional Watershed Plan Utilization

- **Inform conservation planners (State Agency, SWCD, NGOs, etc.)**
 - Provide larger context to local projects
 - Align efforts with regional goals and priorities
 - BMP guidance applicable to regional concerns – local projects can “plug in” where they fit best
 - Provide data and support to NPS-IS development
 - Regional plans used to leverage State/Federal funding
- **Guide H2Ohio expansion**
- **New regional-scale initiatives**

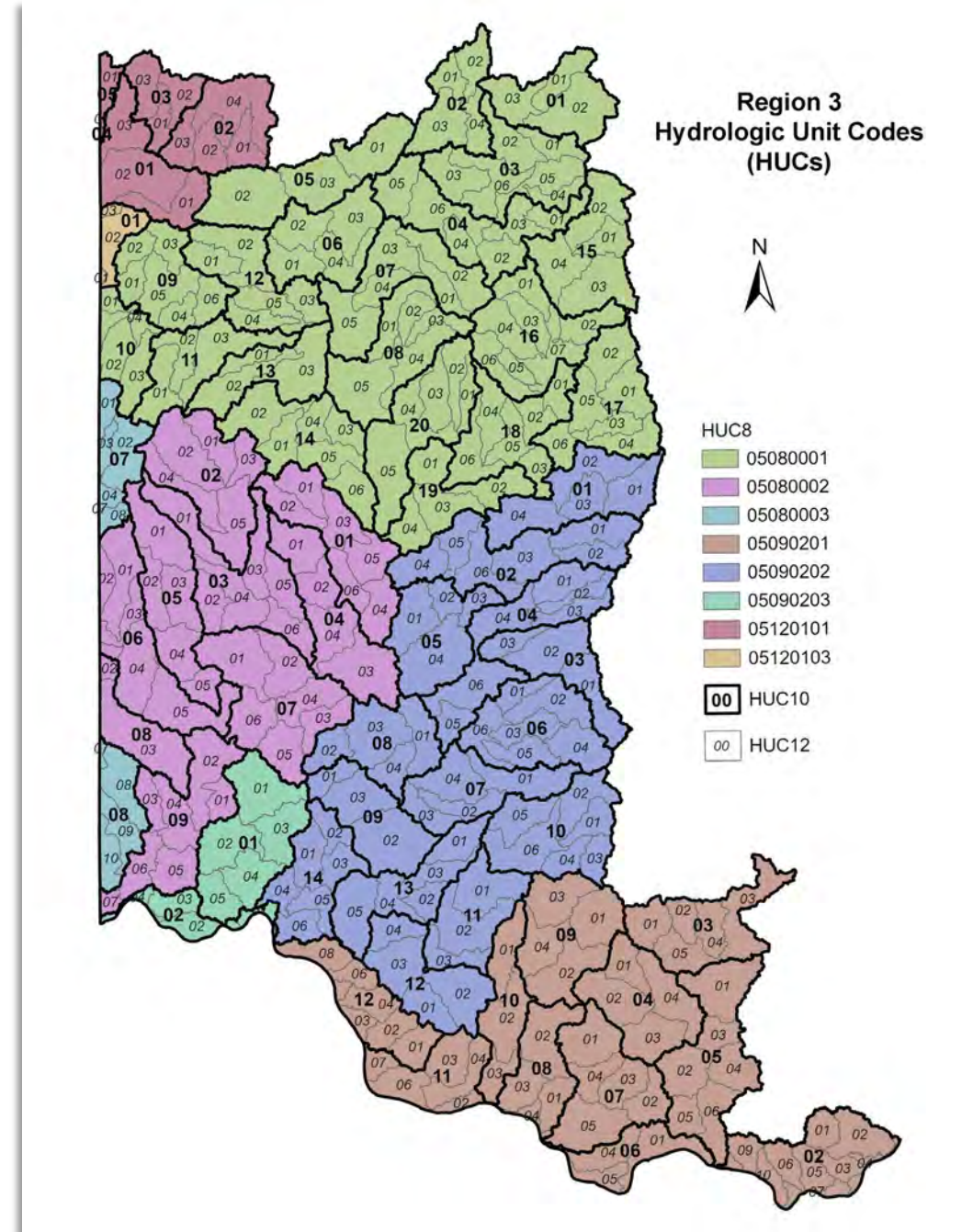


ODA Regional Watershed Plans

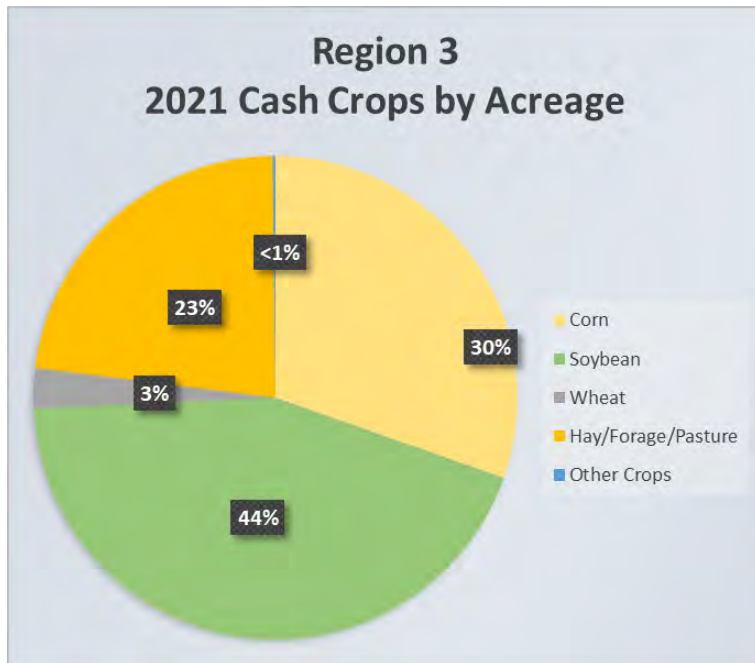
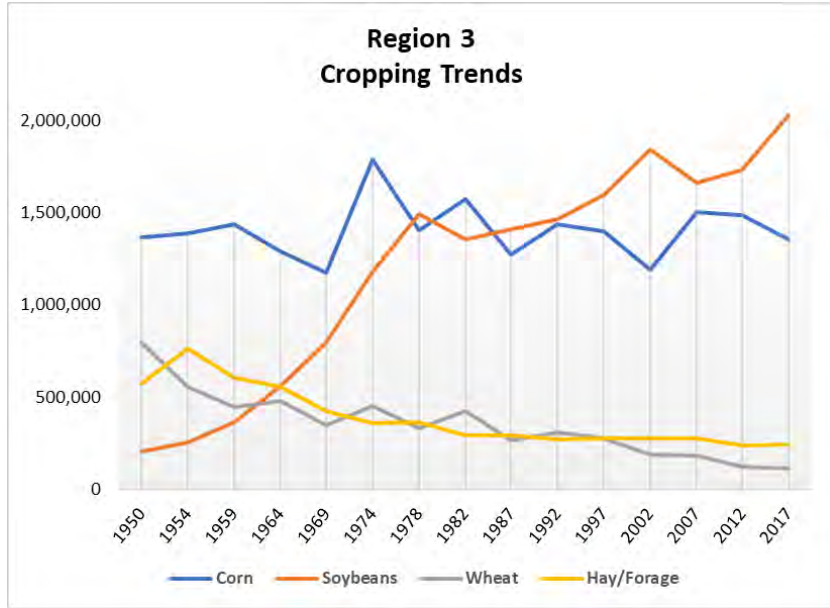
- Synthesize information to Regional (HUC-6) scales
- Provide HUC-12 level detail
- County level data where impractical to prorate



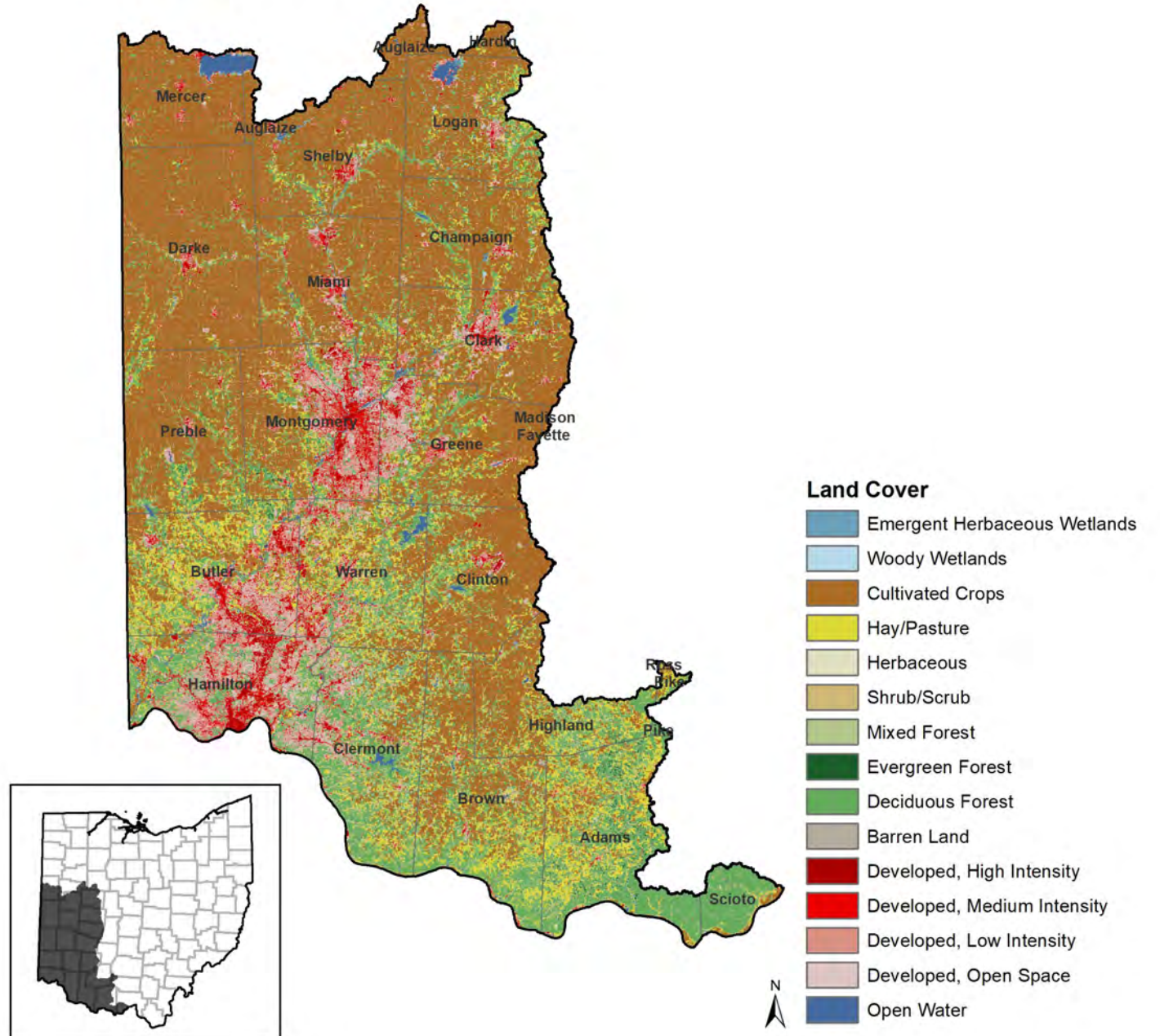
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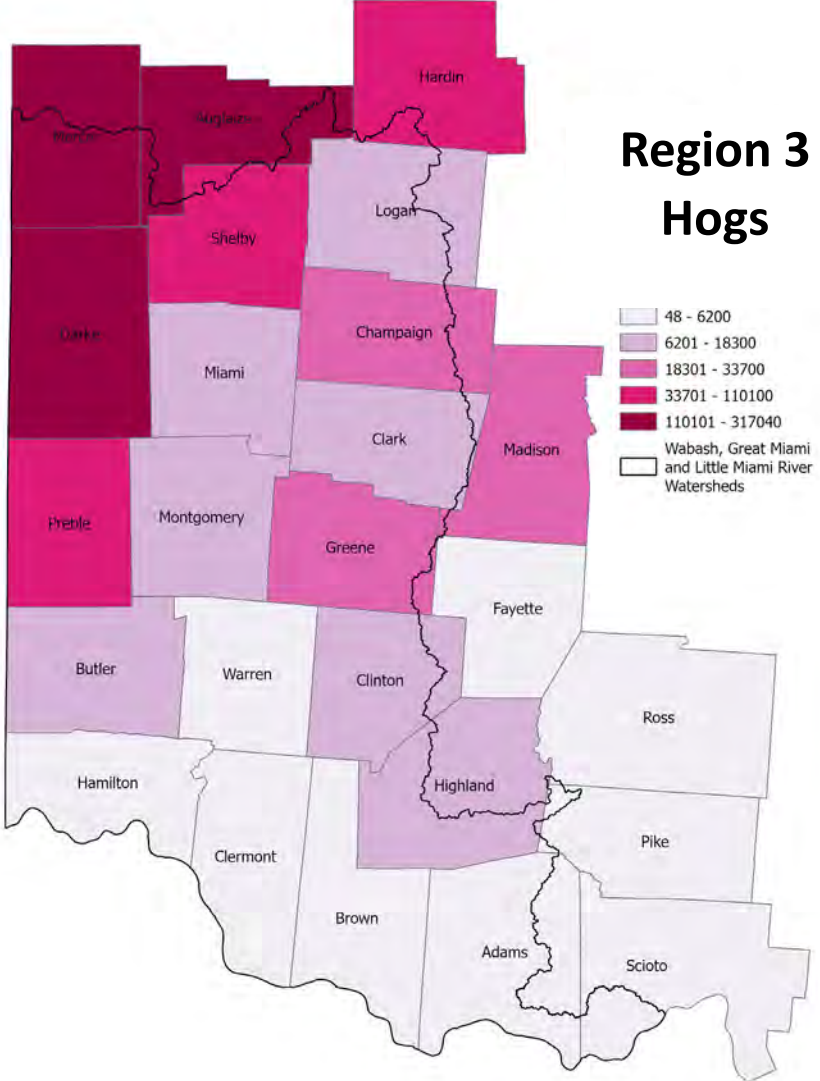
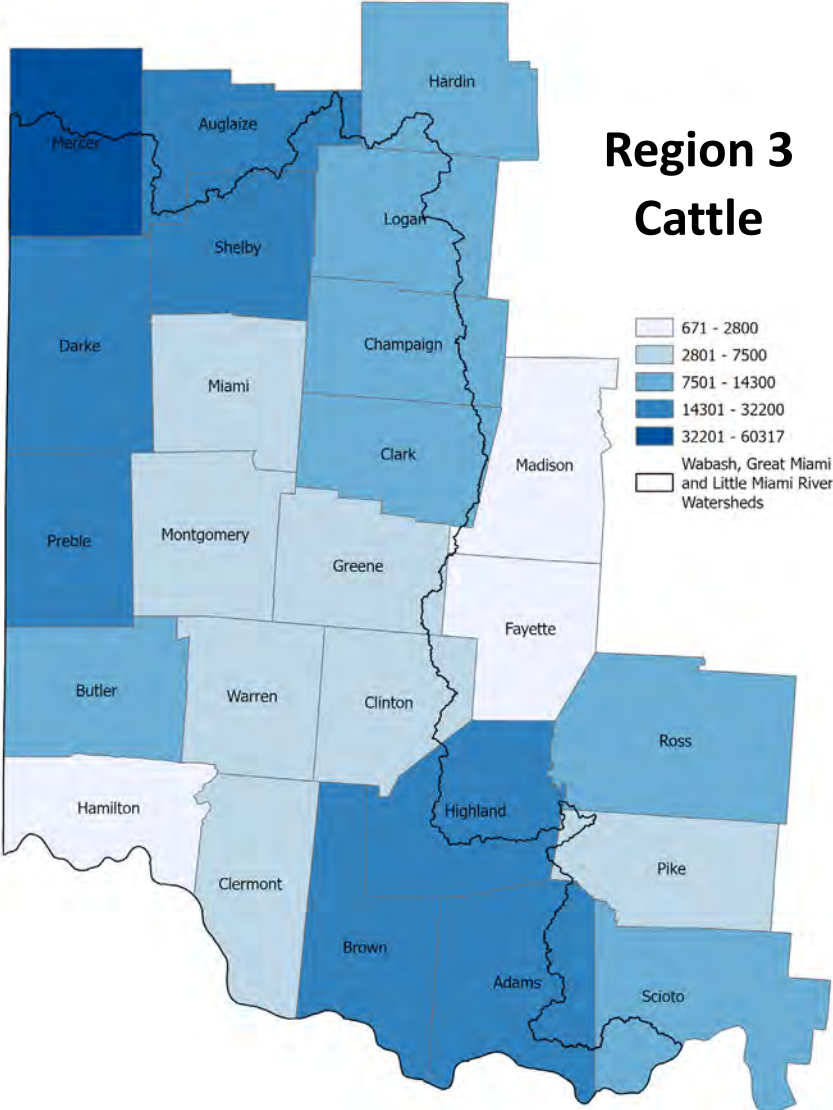
Cropping Trends



Region 3 Land Cover

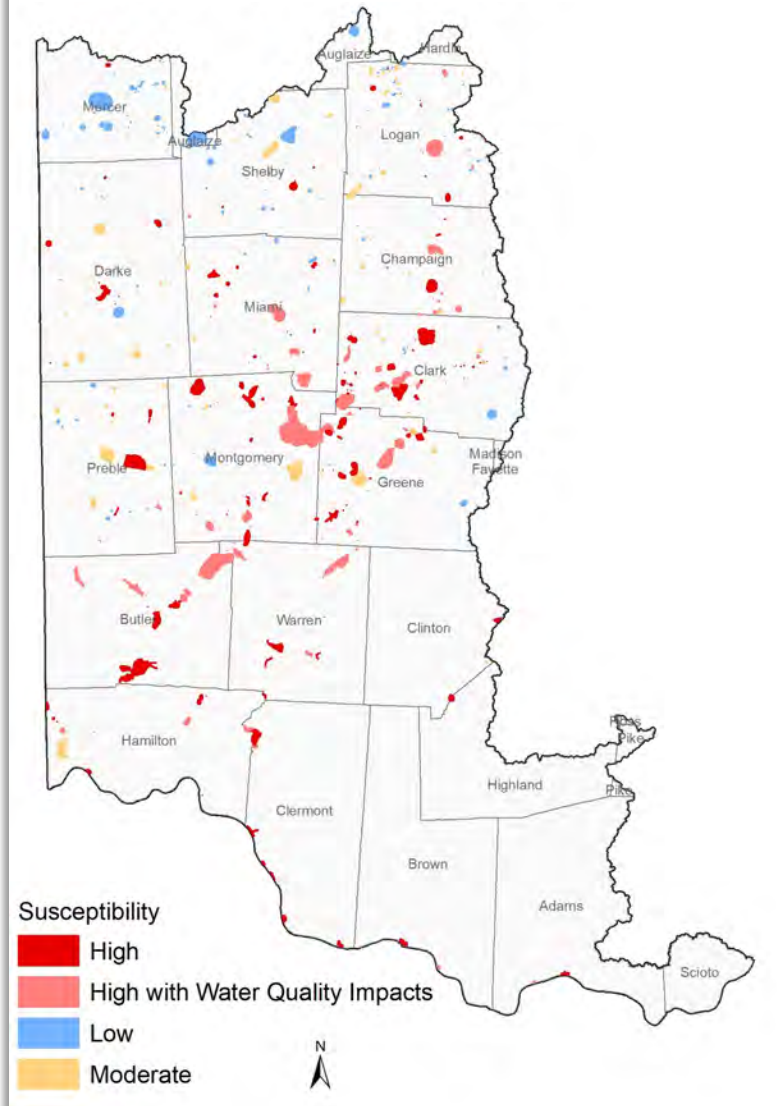


Livestock

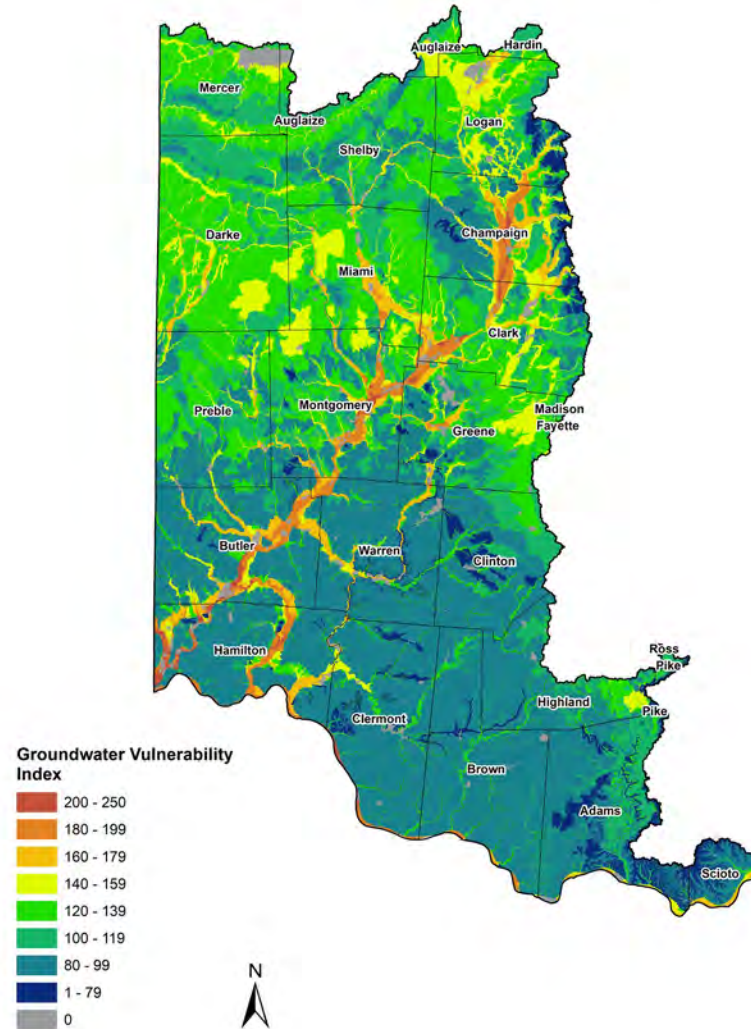


Source Water Protection

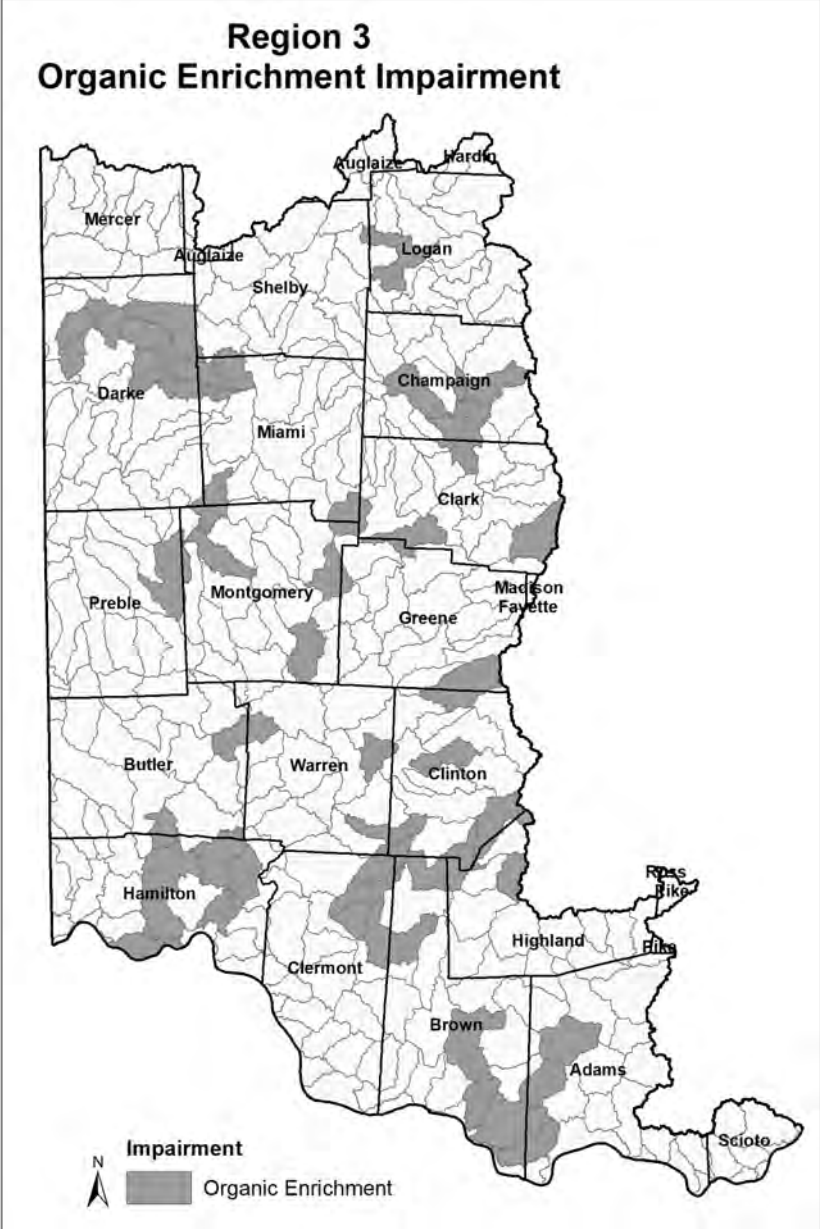
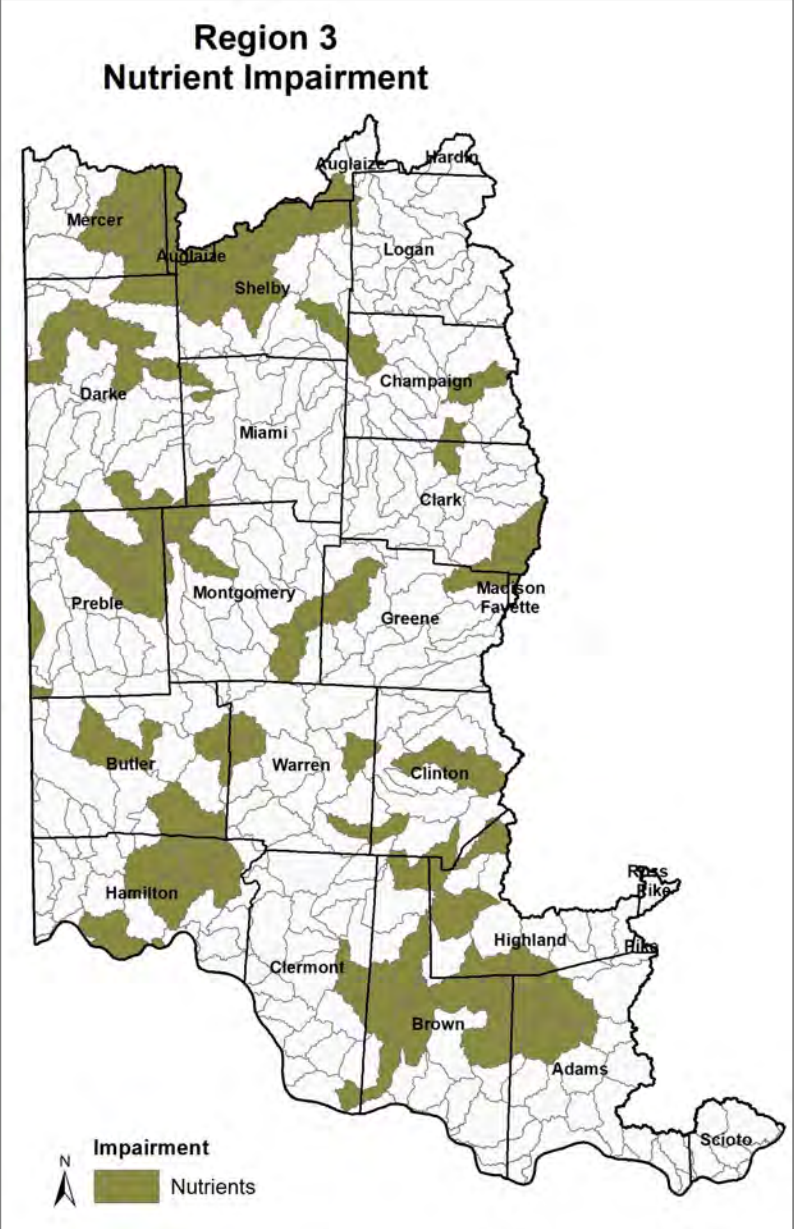
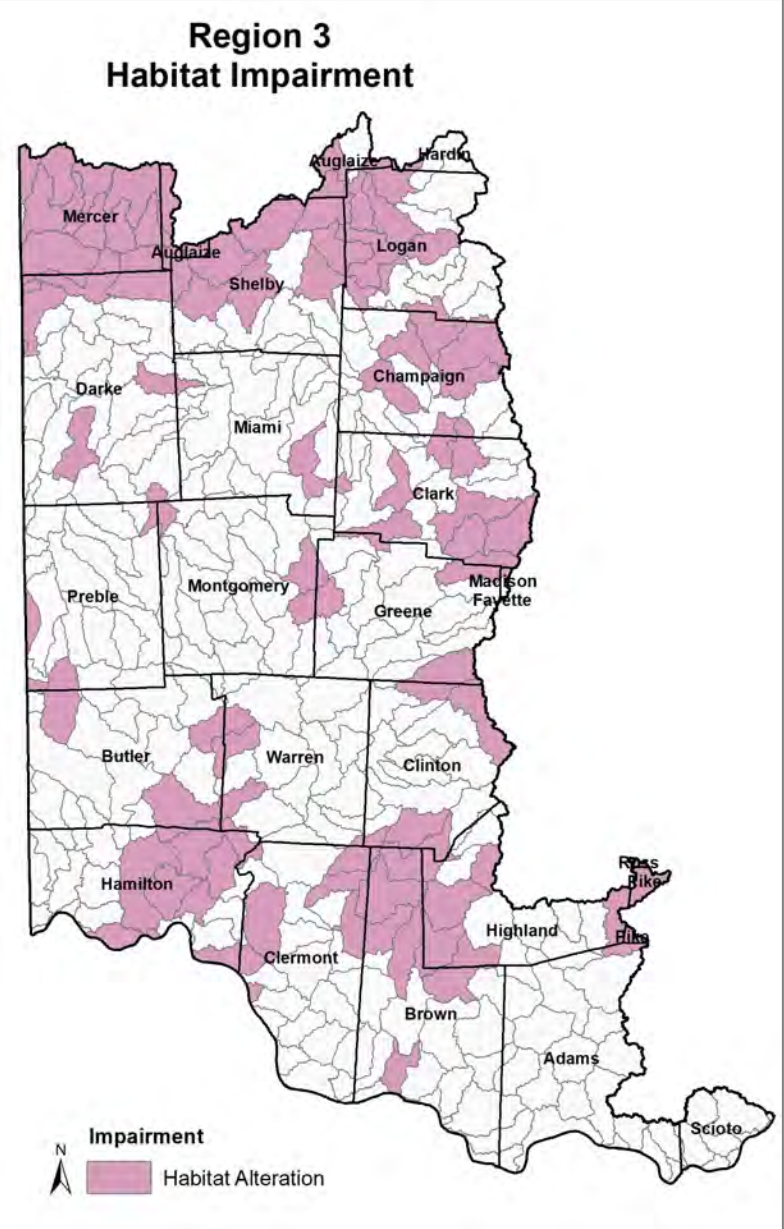
Region 3 Drinking Water Source Protection



Region 3 Groundwater Vulnerability Index



Water Quality Impairments



Alignment & Implementation Resources

- **Goals**
- **Grants**
- **BMP Resources**

State and Regional Water Quality Goals and Associated Plans				
Water Quality Impairment	Goal	Plan (no less than basin geographic scope)	Organization	Grants
All NPS	Implement NPS, Altered Stream Habitat, High Quality Waters Protection, Urban Sediment and Nutrient Reduction strategies, <u>goals</u> and milestones.	Ohio Nonpoint Source Management Plan Update	Ohio EPA	Clean Water Act Section 319
	Implement Coastal NPS Management Measures	Ohio Coastal Nonpoint Pollution Control Program Plan	ODNR Coastal Office NOAA U.S. EPA - Region V	Coastal Management Assistance Grants
Nutrient Reduction	Minimize the extent of hypoxic zones in the Waters of the Great Lakes associated with excessive phosphorus loading, with particular emphasis on Lake Erie	GLWQA - Annex 4 Nutrients	NOAA	
	Maintain algal species consistent with healthy aquatic ecosystems in the nearshore Waters of the Great Lakes	Ohio DAP	U.S. EPA - Region V & Great Lakes National Program Office	
	Maintain cyanobacteria biomass at levels that do not produce concentrations of toxins that pose a threat to human or ecosystem health in the Waters of the Great Lakes	Ohio Nutrient Reduction Strategy	Ohio EPA	GLSNRP
	40 percent reduction in total phosphorus		Ohio Department of	

Alignment & Implementation Resources

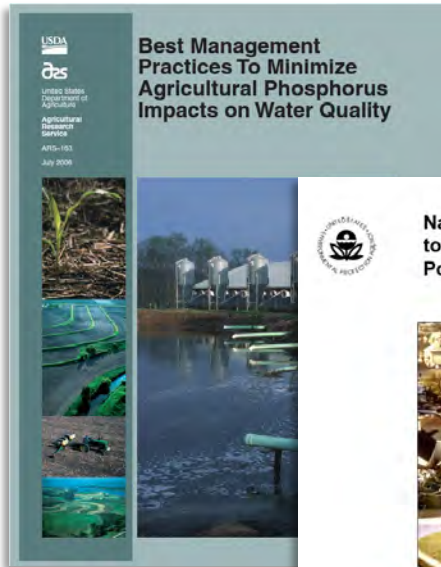
- Goals
- Grants
- BMP Resources



Implementation Resource Opportunities				
Grant	Organization	Summary	Applicable Regions	Link
Gulf Hypoxia Action Plan	U.S. Federal Government / States	<ul style="list-style-type: none"> • Funding objective – Nutrient loading reductions in the Mississippi River Basin through implementation of federal and state nutrient reduction strategies • Funds availability – Various: grants to fund state nutrient reduction strategies; 2021 Bipartisan Infrastructure Law; Inflation Reduction Act; USDA NRCS programs; others • Key dates – Ongoing; 2025 interim goal date and 2035 final goal date • Eligibility – State governments: 31 States and Tribal lands within the Mississippi/Atchafalaya River basin • Requirements – Development and implementation of state nutrient reduction strategies 	3,4,5,6,7	Gulf Hypoxia Action Plan
Great Lakes Restoration Initiative	U.S. EPA	<ul style="list-style-type: none"> • Funding objective – Implementation of programs and projects to improve the Great Lakes in 5 key focus areas: Toxic Substances and Areas of Concern, Invasive Species, Nonpoint Source Pollution Impacts, Habitats and Species, Foundations for Future Restoration Actions • Funds availability – Various/ongoing; \$3.8 billion allocated between FY2010-FY2021; \$30 million currently available for Great Lakes Environmental Justice Grant Programs opportunity for the period January 2024-January 2030 • Key dates – Variable; August 11, 2023 application deadline for current Great Lakes Environmental Justice Grant Programs opportunity • Eligibility – State agencies, interstate agencies, tribes, local governments, universities, and NGOs • Requirements – Variable; collaboration with federal agencies 	1, 2	Great Lakes Restoration Initiative
Coastal Management Assistance Grants	ODNR	<ul style="list-style-type: none"> • Funding objective – Water quality improvement, coastal planning, education programs, land acquisition, research, public access, habitat restoration, and other purposes • Funds availability – Approximately \$400,000 available annually, \$50,000-150,000 per application • Key dates – Pre-proposals due in September/October; applications for accepted proposals due in December • Eligibility – local government (municipalities, townships, counties, school districts, park districts, port authorities, etc.), state agencies, academic institutions, and 	1, 2	Coastal Management Assistance Grants

Alignment & Implementation Resources

- Goals
- Grants
- **BMP resources**



National Management Measures
to Control Nonpoint Source
Pollution from Urban Areas



5. Management Measures

5.1 Available Management Measures /Best Management Practices

A variety of management measures have been assembled through the work of numerous agencies and non-governmental organizations (NGOs). These documents describe management measures and specific BMPs to address resource concerns related to water quality impairment across Ohio. These include:

- [USDA-ARS Best Management Practices To Minimize Agricultural Phosphorus Impacts on Water Quality](#)
- [USDA Field Office Technical Guide](#)
- [Ohio State University Extension – Agricultural BMPs](#)
- [Tri-State Fertilizer Recommendations](#)
- [Midwest Cover Crops Field Guide](#)
- [P-Filter Guidance](#)
- [H2Ohio BMP Guidelines](#)
- [ODA – APAP guidance](#)
- [U.S. EPA Urban Runoff: National Management Measures](#)
- [Ohio EPA Ohio Nonpoint Source Management Plan](#)
- [Ohio EPA Rainwater and Land Development Manual](#)
- [ODNR – Coastal Nonpoint Source Pollution Control Management Measures](#)
- [ODNR – Acid Mine Drainage](#)
- [ODNR – Division of Mineral Resources Management](#)
- [ODNR Division of Forestry – BMPs for Erosion Control for Logging and Forestry Practices in Ohio](#)
- [ODNR & OSU Extension - Clean Marina and Clean Boater guides and tools](#)
- [OLEC – Ohio Balanced Growth Best Land Use Practices](#)

Implementation & Outreach

Support SWCD projects

- Broad focus
- Identify local priorities
- Provide support needed to implement

New Regional Programs

- Gaps in State/Federal programs
- Regional needs/opportunities
- Collaborations with partners





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