

Ohio EPA Domestic Action Plan Update

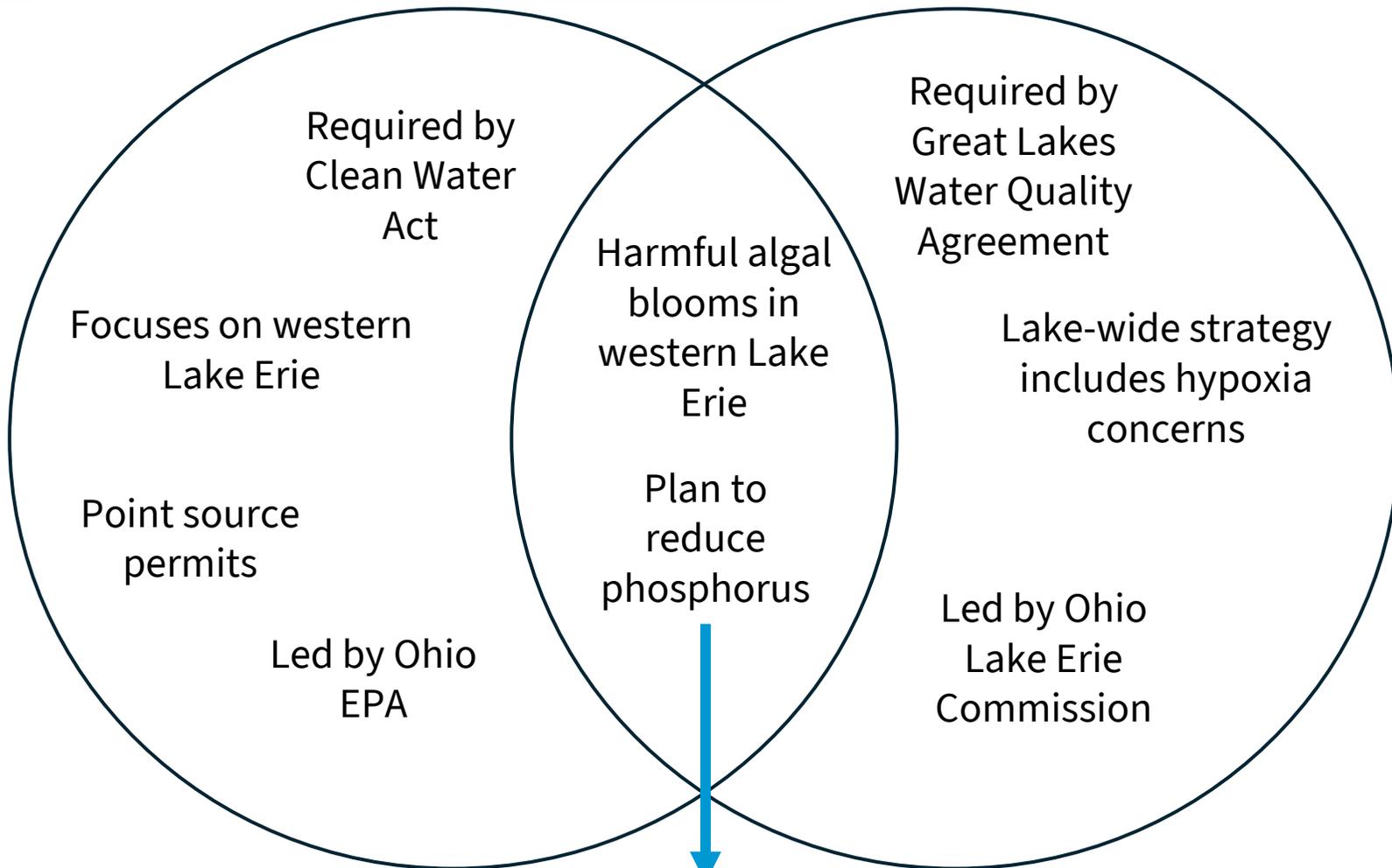


Josh Griffin, Ohio EPA



**Environmental
Protection
Agency**

Maumee Watershed Nutrient TMDL



Ohio Domestic Action Plan

Goals are aligned!



Environmental Protection Agency

Marching to a Cleaner Lake Erie

Maumee Watershed Nutrient TMDL Biennial Report



Lake Erie HABs	Ensuring Safe Drinking Water Through Routine Monitoring and Optimizing Treatment	Toledo Water Plant Upgrades for HABs Completed	Daily Satellite Imagery and Forecasted Bloom Location to Inform Lake Users
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Water Quality Gages	29 Stream Gages Monitoring Nutrient Loads	Reason to be Optimistic	Dissolved Reactive Phosphorus Showing Progress
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Research	H2Ohio Routinely Monitored Wetlands and Demonstrated 11 Phosphorus is Removed by the Wetlands	Edge-of-field Retention Features and Filters Proven Effective at Reducing Phosphorus Concentrations	Improving Estimates of Bloom Toxicity
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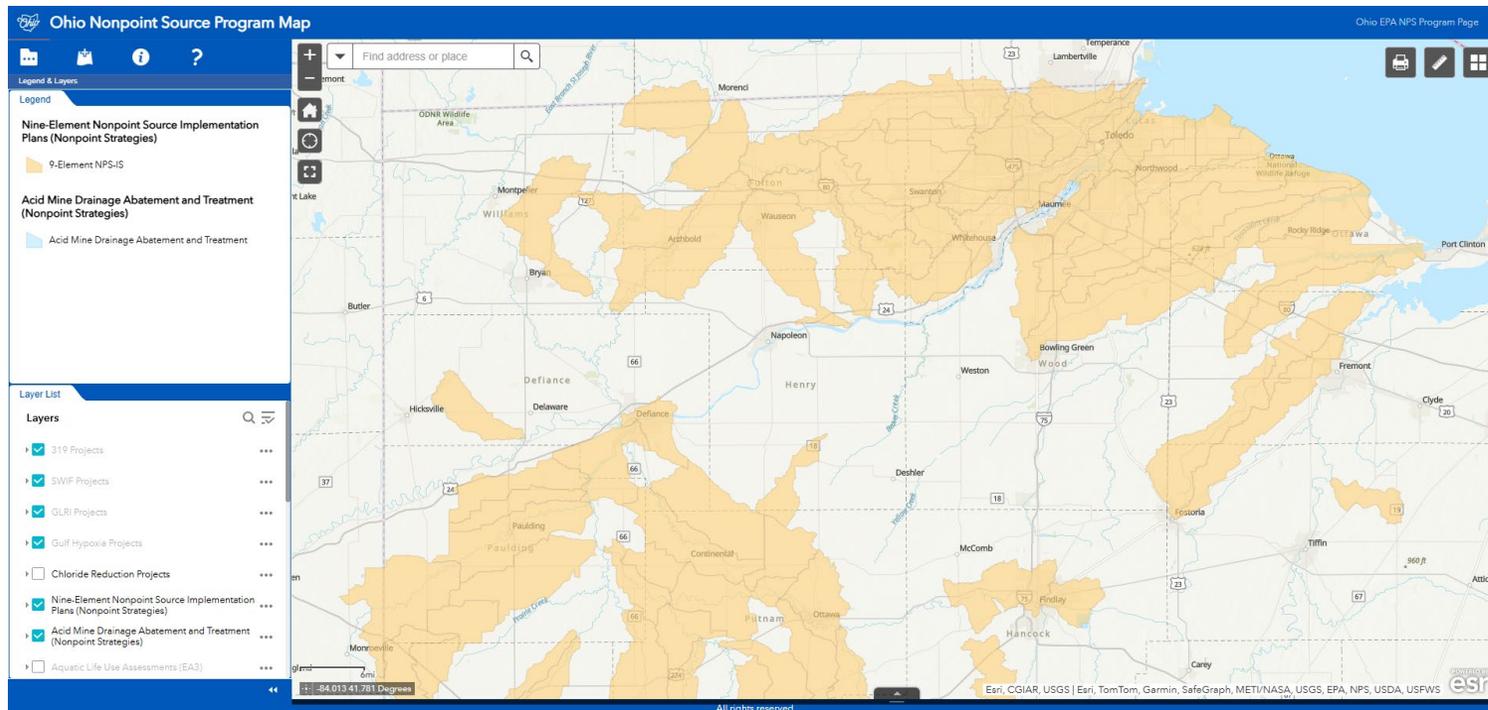
Intermediate Indicators	Soil Phosphorus Levels Decreased 24% Since 2005	Survey Data Shows 2/3 of Farmers Enrolled in Cost-share Programs	Estimates Show Crops are Removing More Phosphorus from the Watershed than are Applied via Fertilizer and Manure
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Tracking Implementation	50+ Project Partners	36 Wetlands Funded Through H2Ohio	58,000 Acres Enrolled in CRP	32% Increase of Crop Acres Enrolled in Agricultural BMPs Through H2Ohio in 2024
	16 Miles of Conservation Ditches in Development	EQIP Funding Increased 5.4 Times Through Special Initiatives	Point Sources Surpass TMDL Goals	

Ohio EPAs Nonpoint Source Program

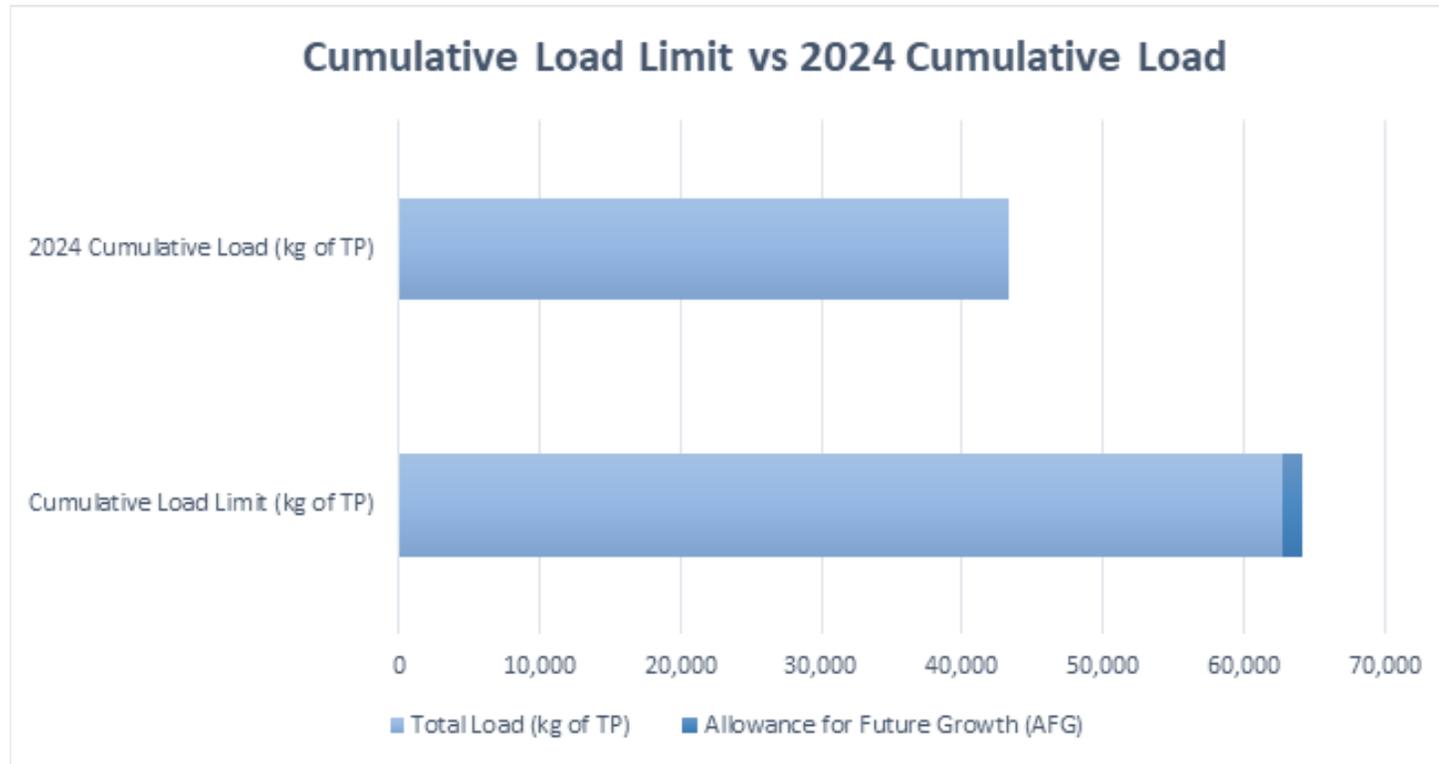
- Planning
 - 160 NPS-IS plans in Lake Erie Watershed
 - Emphasis in Maumee Watershed with 87 approved and 10 more under development

- Projects
 - GLRI ~\$10,000,000 in awards under current management
 - Clean Water Act §319 ~\$2,400,000 awarded to projects statewide
 - https://dam.assets.ohio.gov/image/upload/epa.ohio.gov/Portals/35/nps/ARCH_FDFARM22_factsheet.pdf



<https://epa.ohio.gov/monitor-pollution/maps-and-advisories/nonpoint-source-implementation-strategies>

Maumee Watershed Total Phosphorus General Permit



- Issued November 1, 2023
- 39 largest facilities covered
- First year of compliance data submitted following Spring season of 2024
- 2024 cumulative load was 32% lower than limit



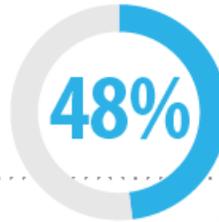
Maumee Watershed at a Glance



The Maumee Watershed delivers less than



of the water, but contributes around



of the Total Phosphorus in the Western Basin of Lake Erie.

Agriculture:

 **10M**
Poultry

 **920k**
Swine

 **200k**
Cattle

 **80%**
Agriculture Land Use

 **80%**
Covered by Drain Tile



People:

 **600k**
People

 **11%**
Urban Land Use

Natural Features:

 **9%**
Forest/Wetland Land Use

 **3,900**
Miles of Streams and Rivers

Maumee Watershed is **6,570** Square Miles

73% in Ohio



<https://dam.assets.ohio.gov/image/upload/epa.ohio.gov/Portals/35/tmdl/MaumeeInfographic.pdf>