

GLRI Nonpoint Source Pollution Impacts on Nearshore Health Update

Great Lakes Sedimentation Workshop
June 22, 2016
Ann Arbor, MI



Great Lakes Restoration Initiative

- Action Plan II (2015-2019)
 - FY15: \$300 million
 - FY16: \$300 million
 - FY17: \$250 million*



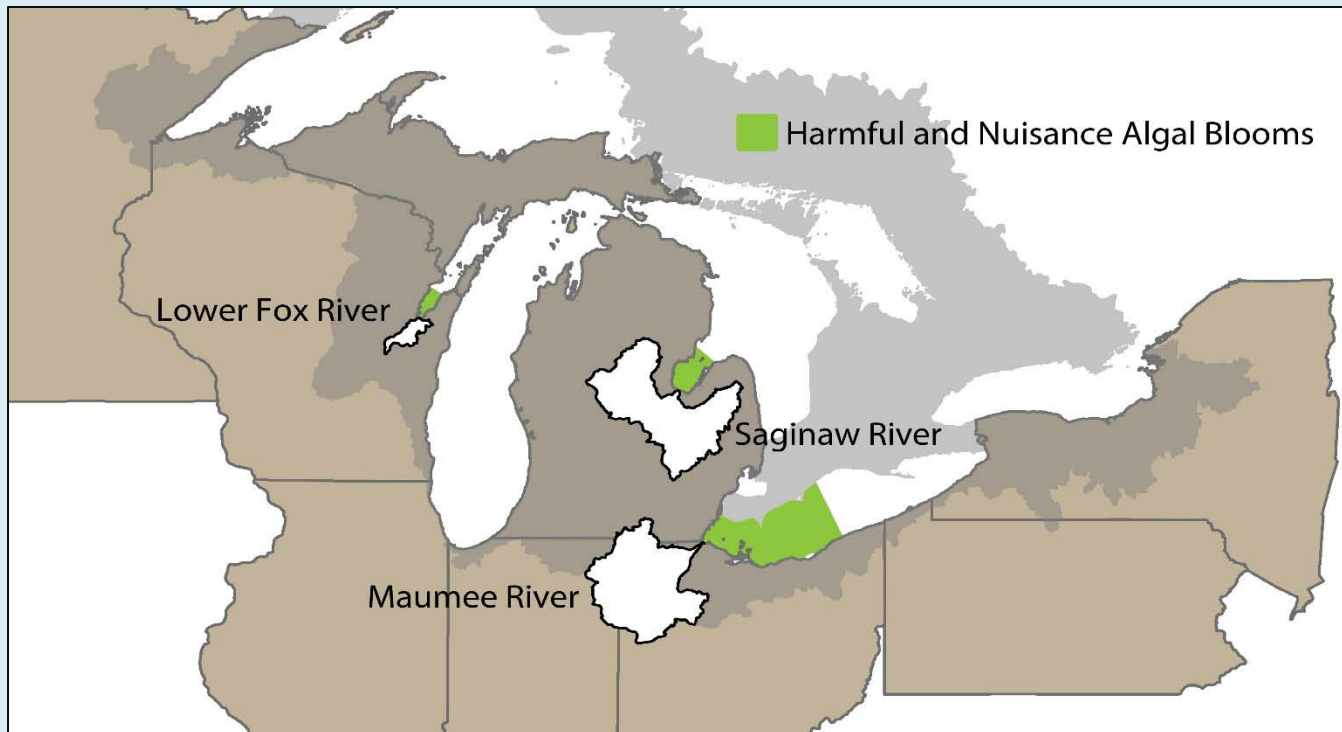
Focus Area 3 - Nonpoint Source Pollution Impacts on Nearshore Health

Objective 3.1: Reduce nutrient loads from agricultural watersheds

Objective 3.2: Reduce untreated runoff from urban watersheds

Objective 3.1: Reduce nutrient loads from agricultural watersheds

- Commitment: Implement agricultural practices or other nutrient reduction practices in GLRI targeted areas



Objective 3.1: Reduce nutrient loads from agricultural watersheds

Measures of Progress:

3.1.1* Projected phosphorus reductions from GLRI-funded projects in targeted watersheds (measured in pounds)

3.1.2 Number of GLRI-funded nutrient and sediment reduction projects in targeted watersheds (measured in acres)

3.1.3 Measured nutrient and sediment reductions from monitored GLRI-funded projects in targeted watersheds (measured in pounds)

* Reported annually

Measure of Progress with Annual Targets

3.1.1. Projected phosphorus reductions from GLRI-funded projects in targeted watersheds (measured in pounds)

Baseline/ Universe	2015 Target	2016 Target	2017 Target	2018 Target	2019 Target
Baseline: 0 Universe: N/A	130,000	310,000	525,000	795,000	1,070,000

GLRI Priority Watersheds

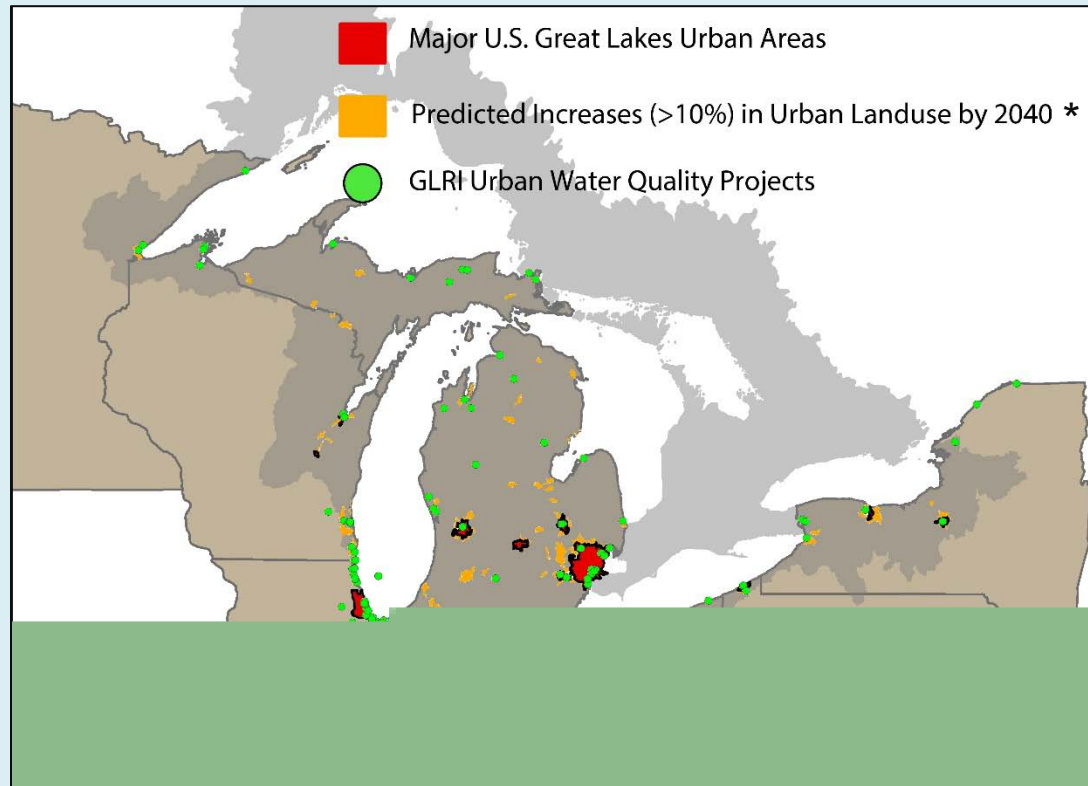
- Lower Fox
- Saginaw
- Maumee
- St. Mary's/Upper Maumee
- Genesee

Other nutrient/sediment reduction projects

- Sediment reduction projects in priority watersheds, 4 projects via EPA RFA (FY 14)
- Watershed Implementation projects, 7 projects via EPA RFA (FY15)
- US ACE Pike River, WI and Rifle River, MI nutrient reduction projects (FY16)
- NOAA/NWS Agricultural Nutrient Runoff Risk Advisory Forecast decision support tool for agricultural nutrient applicators (FY14-16).
- NOAA deploying ESP in Lake Erie in July. Method for *microcystis* detection under development.

Objective 3.2: Reduce untreated runoff from urban watersheds

- Commitment: Implement watershed management projects in urban areas that have adopted a watershed strategy



Objective 3.2: Reduce untreated runoff from urban watersheds

Measures of Progress:

3.2.1* Projected volume of untreated urban runoff captured or treated by GLRI-funded projects

3.2.2 Number of GLRI-funded projects implemented to reduce the impacts of untreated urban runoff on the Great Lakes

3.2.3 Measured volume of untreated urban runoff captured or treated by monitored GLRI-funded projects

* Reported annually

Measure of Progress with Annual Targets

3.2.1. Projected volume of untreated urban runoff captured or treated by GLRI-funded projects (measured in millions of gallons)

Baseline/ Universe	2015 Target	2016 Target	2017 Target	2018 Target	2019 Target
Baseline: 0 Universe: N/A	30	70	120	185	250

GLRI funded projects

- Great Lakes Shoreline Cities Green Infrastructure Grants (FY15)
- Urban Watershed Implementation projects, 7 projects via RFA (FY15)
- US Forest Service (FY15-16): Restore Urban and Community Forests grant program (goal: 500,000 gallons of stormwater runoff reduced per year).
- USGS (FY15-16): Measuring and Evaluating Untreated Urban Runoff
- US Army Corps (FY16): restoration of 4,400 feet of riparian habitat on Underwood Creek, a tributary to Milwaukee Estuary AOC (Wauwatosa, WI)

Questions?

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