

Agenda

- Alliance for the Great Lakes
- Lake Erie Western Basin
- Nutrient Pollution Problems, Solutions, Barriers
- Questions



Alliance for the Great Lakes

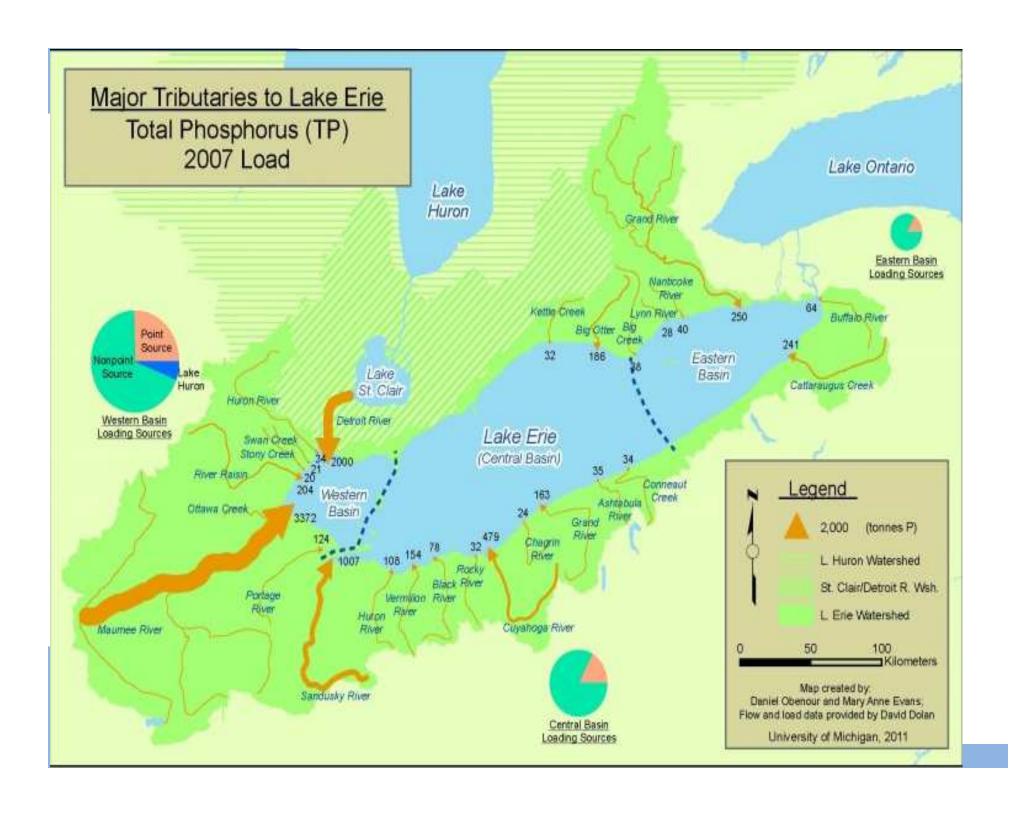
- A healthy Great Lakes for people and wildlife, forever
- Offices Chicago, Milwaukee,
 Detroit, Cleveland, Buffalo, and
 Grand Haven
- Culture of Clean Water Education and Stewardship
- Building Resiliency climate change adaptation in communities
- Policy Advocacy address the most critical threats to the Great Lakes

www.greatlakes.org









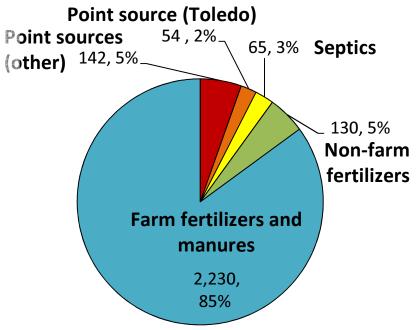
Why Focus on Agricultural Sources?

University of Michigan calculated a *conservative estimate of agricultural P* delivery to Lake Erie assuming point sources and failing septic systems are delivered.

85% of P delivered by the Maumee comes from agriculture.

Slide courtesy of University of Michigan Water Center

Estimated P **Delivery** from the Maumee River to Lake Erie (t/y)



Delivery of Farm Fertilizers & Manures =

Average Load to Lake Erie (2620 t/y) -

Toledo WWTP (54 t/y) –

Other Point Sources (142 t/y) –

Non-farm Fertilizers (130 t/y) – 0.39 * Septics (65 t/y)

= ~ 2230 t/y

ALLIANCE FOR THE GREAT LAKES
ENSURING A LIVING RESOURCE FOR ALL GENERATIONS

online.com/news/opinion/could-we-be-toledod-in-wisconsin-b99326012z1-270413841.html

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Could we be Toledo'd in Wisconsin?



Associated Press

photographed near the City of Toledo water intake crib on Aug. 3 in Lake Erie,

ACROSS THE BOARD



The Journal Sentinel Editorial Board's blog on the day's happenings as they happen.

- Court of Appeals gets it right in residency ruling (30)
- > Chat with Christian Schneider today at 11 a.m.
- > Alberta Darling's crocodile tears over state budget (15)

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Binational Commitment to Reduce Harmful Algal Blooms





What's Missing?

- No numeric nutrient water quality standards for phosphorus or nitrogen
- Open waters of western Lake Erie not listed as impaired under the Clean Water Act
- No TMDL for open waters of western Lake Erie complicated by multiple states and countries
- Largest source of the problem agriculture unregulated
 - Reliance on voluntary and incentive based conservation practices
- Lack of accountability for achieving 40% reduction in phosphorus entering western Lake Erie
- Carrying capacity of our watersheds?





Domestic Action Plans – Will DAPs fill in the gaps?





"The test of a first-rate intelligence is the ability to hold two opposed ideas in mind at the same time and still retain the ability to function. One should, for example, be able to see things as hopeless and yet be determined to make them otherwise."

~F. Scott Fitzgerald



Questions?

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