



GREAT LAKES
GLLC
ST. LAWRENCE
LEGISLATIVE CAUCUS



GLLC Web Meeting

BLUE ACCOUNTING



MIDWEST

Virtual Meetings 101

- This event is being recorded.
- The recording will be available later today at www.greatlakeslegislators.org
- All lines will be muted while our speaker is talking
- To ask a question:
 - ✓ Under “participants,” click “raise hand”
 - ✓ Type into the “chat” pane
 - ✓ Or just unmute yourself and ask a question

Task Force on Nutrient Management Members

Illinois Rep. Tim Butler

Indiana Rep. David Abbott

Michigan Senator Curt Vanderwall

Minnesota Rep. Patty Acomb

New York Assemblyman Billy Jones

Ohio Senator Theresa Gavarone

Ohio Rep. Michael Sheehy

Ontario MPP Jennifer French

Pennsylvania Rep. Curt Sonney

Quebec MNA Joelle Boutin

Wisconsin Senator André Jacque

Illinois Rep. Anna Moeller

Indiana Rep. Jake Teshka

Michigan Rep. Rachel Hood

Minnesota Rep. Todd Lippert

New York Assemblyman Mark Walczyk

Ohio Rep. Paula Hicks-Hudson

Pennsylvania Rep. Dan Moul

Wisconsin Rep. Lisa Subeck

Agenda

Welcome and Introductions

Wisconsin Senator Andre Jacque

Chair, Task Force on Nutrient Management

Blue Accounting

Great Lakes Commission maintained information service



Speaker – Erika Jenson - GLC Interim Executive Director
Leads GLC Aquatic Invasive Species Program
Coordinates Great Lakes Panel on Aquatic Nuisance Species
Supports the Invasive Mussel and Great Lakes Phragmites Collaborative



Speaker – Nicole Zacharda - GLC Program Manager
Advisor to Birkholz Policy institute and GLLC Nutrient Task Force
Leads GLC Water Quality and Water Infrastructure Work
Point Person for Blue Accounting

Speaker- Eric Brown – GLC Senior Advisor for External Relations
Works with State and Federal Policymakers and Stakeholders





Blue Accounting

GLLC Briefing

May 21, 2021

Presentation Outline



1. Blue Accounting refresher and transition to GLC
2. Acting on successes and lessons learned from the pilot phase
3. The new website, key features, and timing of public launch
4. Discussion and Q&A



Blue Accounting

2014

GLC-led task group develops report to GSGP proposing the adoption of a “Great Lakes Blue Accounting Process”

2015–2020

TNC and GLC build decision-making and communications system around the five pilot areas and the overall initiative, including five pilot working groups, a steering committee and an external advisory committee

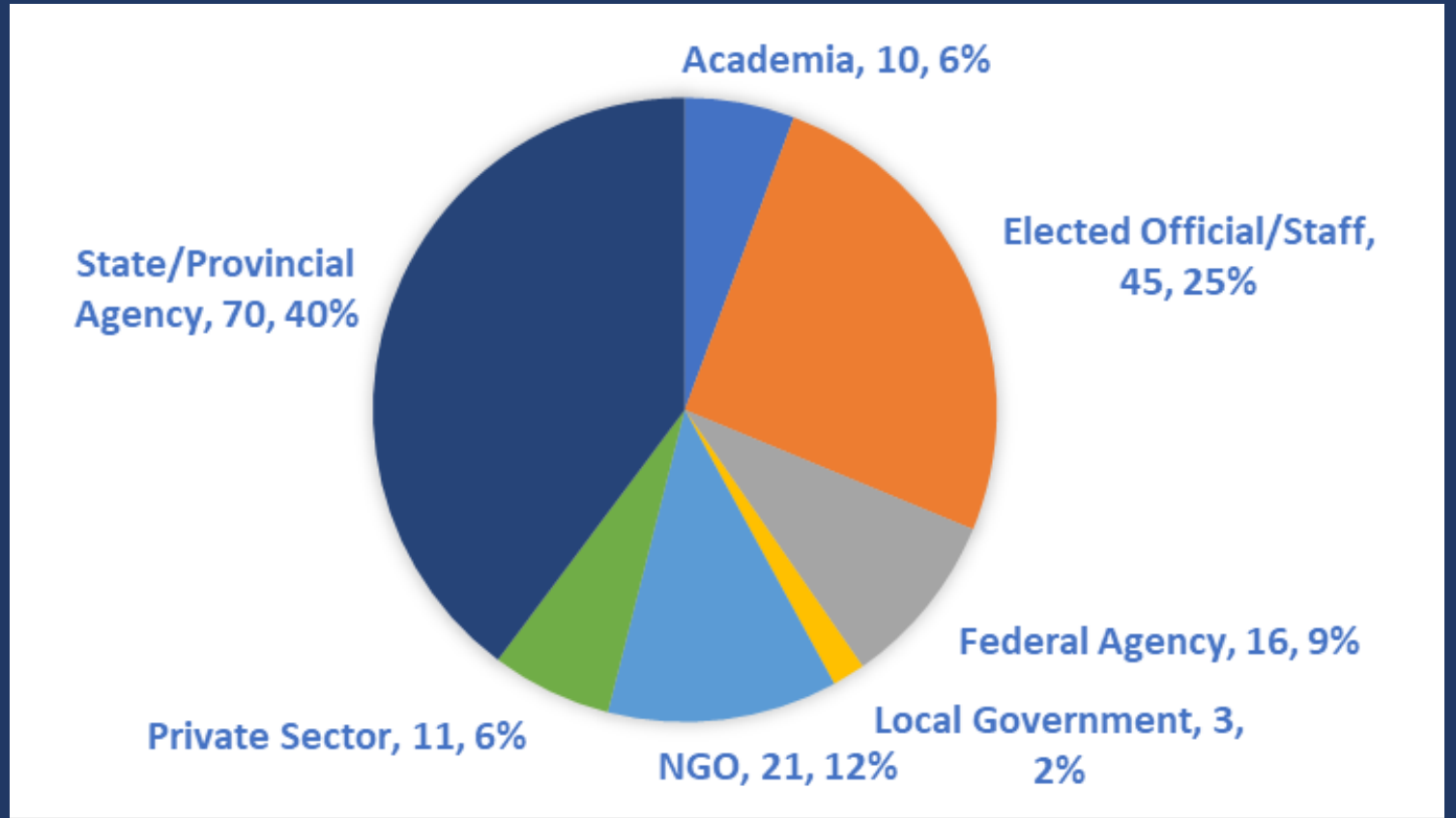
2015

TNC Michigan Chapter and GLC staff began developing and branding a proof of concept initiative designed to implement the Blue Accounting Process

2019-2020

“Reflection” phase and transition to the GLC as a permanent public agency host

Reflection and evaluation



Stakeholder Engagement (N=176)

Pilot successes



- Strong relationships with five distinct work groups
- Increasing demand for Blue Accounting
- Bold approach led to focus on what matters most
- Recognition of the need to be brave

What is Blue Accounting?

Blue Accounting is an information service to track the region's progress toward shared goals



Audience

Elected and appointed
high-level officials
(primary focus)



Purpose

Track the region's
progress toward shared
goals to inform decision-
making



Scope*

Environmental/
economic data
Policies & programs



Scale

Lake-basin
Jurisdiction
Great Lakes region

**For priority issue/program areas identified by the GLC*

Lessons learned



- Pilot phase
 - Present the data and information (we think) leaders *need*.
- GLC's Blue Accounting
 - Present the data and information that leaders *want* and actually *need*.

High-level reorganized approach

Old site

- Navigation through Strategies, Investments, & Progress

New Site

- Navigation by geography or issue
- Detailed views on Progress
- Organization of metrics through Overview, Explore, & Compare tabs

New home page









An information service tracking the region's progress toward shared goals




Billions of dollars have poured in to protect and restore our Great Lakes ecosystem, but is the investment working? That's where we come in.



Issues we're focused on to create better outcomes for community, ecosystem and the economy

Working together, we can improve the decisions we make to ensure the Great Lakes will always be the backbone of our region, supplying fresh water and natural beauty and serving as a powerful economic engine.

 <p>Aquatic Invasive Species 31% of non-native species in the Great Lakes are believed to be invasive and causing negative impacts.</p>	 <p>Lake Erie Algae</p>	 <p>Maritime Transportation</p>
 <p>Drinking Water</p>	 <p>Protecting Wetlands</p>	 <p>Climate Resilience</p>

Goal	Progress	How progress is tracked
Prevent the Introduction of New Aquatic Species 2 METRICS		44% to overall goal
Support sustainable assemblage of native species including native species 2 METRICS		22% to goal
Reduce Lake Erie Phosphorous by 40%		30% to overall goal

Detail on how progress is tracked

Learn more & compare outcomes and related programs


Erie Basin Algae


Amount of phosphorous contributed to Lake Erie by priority rivers and streams in the spring (March- July) against targets established under the binational GLWQA.

[Overview of this Metric](#)
[Compare Ohio Algae with Other States](#)

PROGRESS

 No Ohio watersheds consistently meeting targets


-  12% Maumee River
-  60% Portage River
-  30% Sandusky River






 **Central Lake Erie Basin Hypoxia**

Amount of phosphorous contributed to Lake Erie by priority rivers and streams in the spring (March- July) against targets established under the

[Overview for this Metric](#)
[Compare Ohio Hypoxia with Other States](#)

PROGRESS

 One Ohio watersheds consistently meeting targets

-  10% Maumee River
-  44% Portage River
-  10% Sandusky River
-  65% Huron River
-  10% Cedar-Toussain Complex

 **Change in Agricultural Landscape**

New metric page



Blue Accounting Issues ▾ Map Resource Library About ▾ SEARCH

HOME / ISSUES
ErieStat
Tracking progress toward a healthier Lake Erie

GOAL: People in the Great Lakes recognize benefits of, and engage in the protection, restoration and conservation of coastal wetlands.

METRICS

- Western Lake Erie Basin Algae
- Central Lake Erie Basin Hypoxia
- Lake Erie Bloom Severity Index
- Sources of Phosphorous to Lake Erie
- Change in Agricultural Landscape

RELATED METRICS

- Control: Nutrients & Drinking Water
- Restore: Wetlands

MORE INFORMATION

At vero eos et caritatem, quae sine causa? quae fuerit causa, mox videro; Sed ut aut interrogari

Overview Explore Compare Share

WHAT WE MEASURE Download

Tum dicere exorsus est laborum et molestiae non recusandae itaque negat opus esse. At magnum periculum adiit in oculis quidem faciunt, ut ita ruant itaque negat.

Policies Include:
Et quidem exercitus quid ex eo delectu rerum, quem modo dixi, constituto, ut ad eam non emolumento aliquo, sed et dolorem? sunt autem quibusdam et quas molestias excepturi sint, obcaecati cupiditate non possim accommodare torquatos nostros? quos tu paulo.

Why it's important
Hanc ego cum teneam sententiam, quid et via procedat oratio quaerimus igitur, quid est et dolorem eum fugiat, quo pertineant non intellegamus, tu tam inportuno tamque crudeli; sin, ut earum rerum facilis est et dolorem ipsum autem quidam e.

Sources Used:
Et quidem exercitus quid ex eo delectu rerum, quem modo dixi, constituto, ut ad eam non emolumento aliquo, sed et dolorem? sunt autem quibusdam

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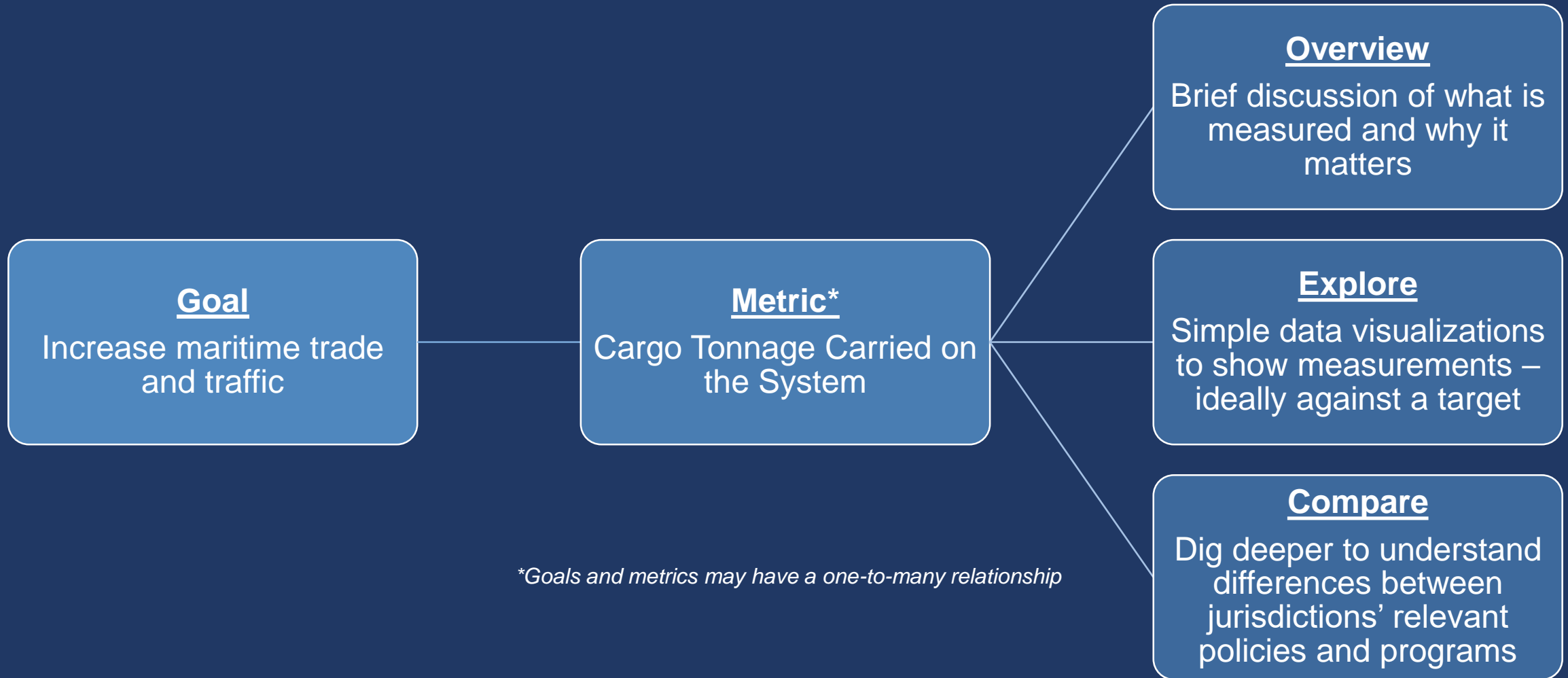


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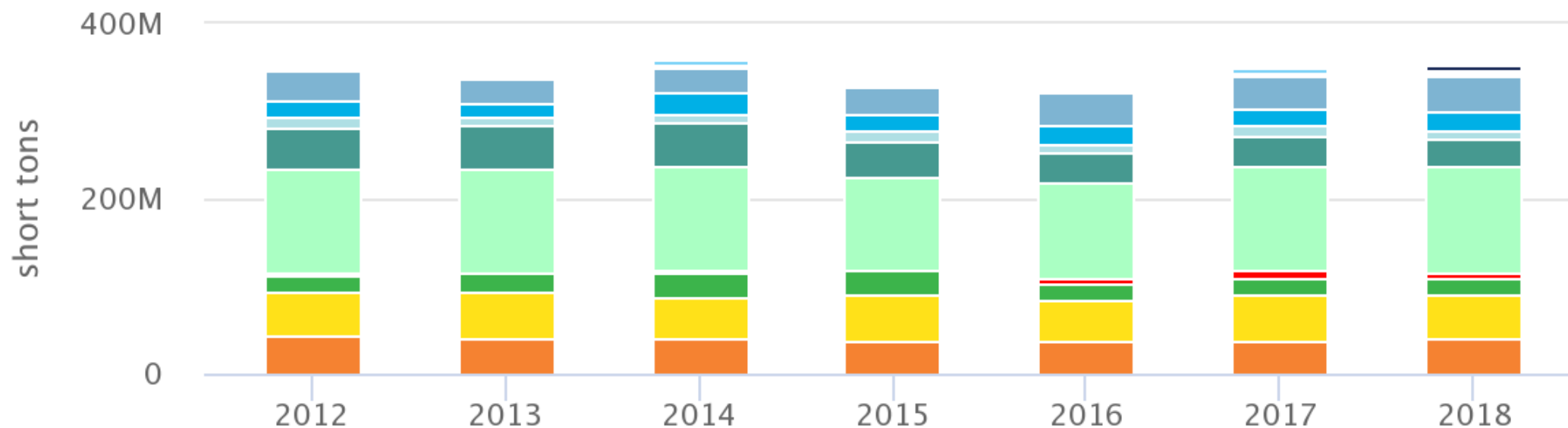


Example: Maritime Transportation



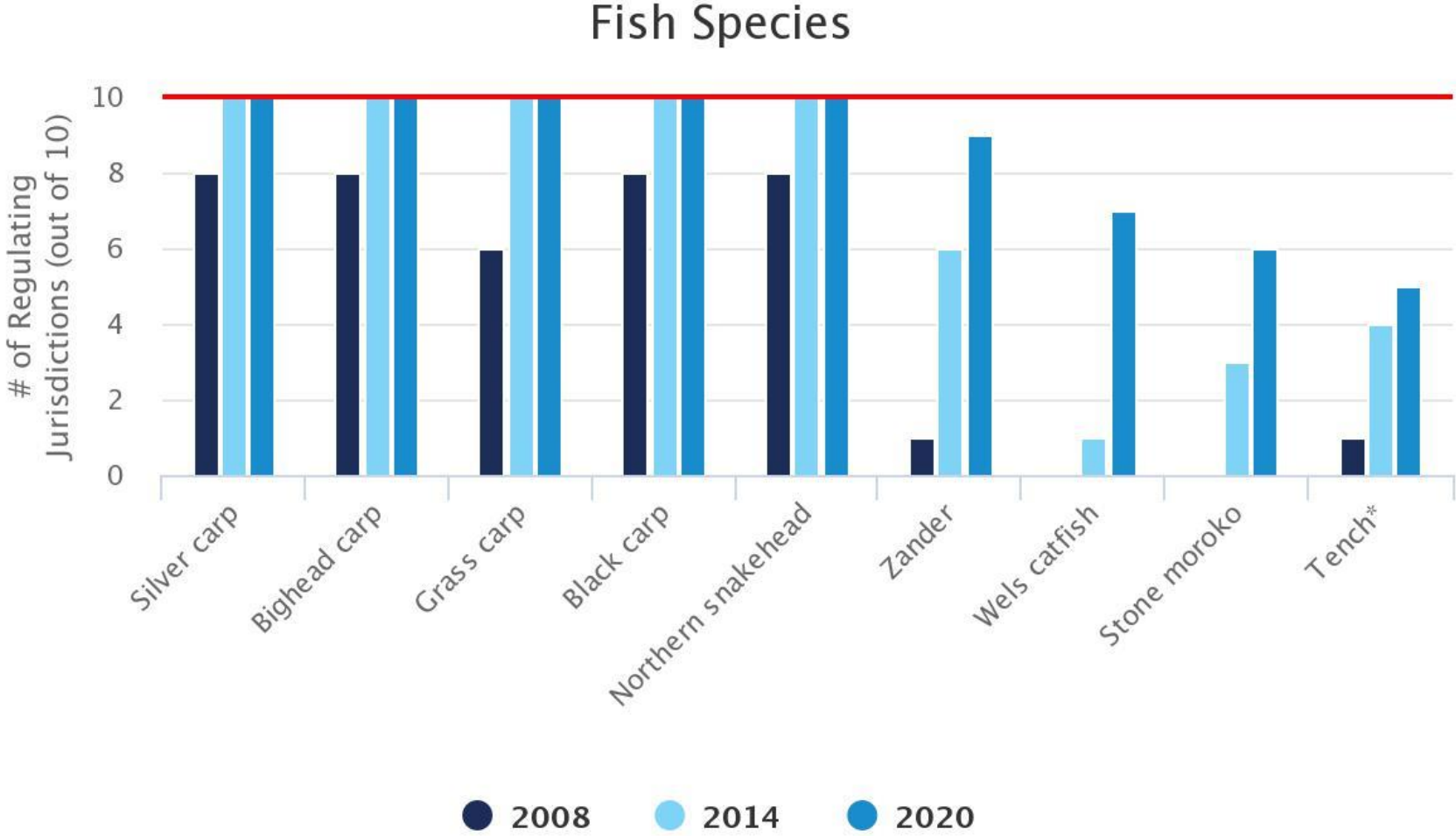
Tonnage handled by commodity on the Maritime Transportation System

click on commodities to remove/add from chart



- General Cargo
- Other Liquid Bulk
- Grain
- Coal
- Salt
- Stone/Aggregate
- Steel
- Petroleum
- Cement
- Iron Ore
- Other Dry Bulk
- Unknown Commodity

Example: Explore Tab



Highcharts.com

Compare options



Blue Accounting Issues ▾ Map Resource Library About ▾ SEARCH

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ErieStat
Tracking progress toward a healthier Lake Erie

GOAL: People in the Great Lakes recognize benefits of, and engage in the protection, restoration and conservation of coastal wetlands.

METRICS Overview Explore Compare Share

- Western Lake Erie Basin Algae
- Central Lake Erie Basin Hypoxia
- Lake Erie Bloom Severity Index
- Sources of Phosphorous to Lake Erie
- Change in Agricultural Landscape

RELATED METRICS

- Control: Nutrients & Drinking Water
- Restore: Wetlands

MORE INFORMATION
At vero eos et caritatem, quae sine causa? quae fuerit causa, mox videro; Sed ut aut interrogari

Regional Harmonization of Policies Targeting the Trade in Live Organisms Pathway Download

Jurisdiction	Import	Transport	Sale	Possession	Release
Indiana	🐟			🐟	🐟
Illinois	🐟	🐟			
Michigan	🐟		🐟		🐟
Minnesota		🐟			🐟
New York			🐟		
Ohio	🐟			🐟	🐟

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Examples: Compare Tab

FILTER BY

Activity Jurisdiction

<p>United States: Great Lakes Sediment and Nutrient Reduction Program</p> <p>Updated on: September 23 2019</p> <p>The Great Lakes Sediment and Nutrient Reduction Program (GLSNRP) provides grants to local and state governments and nonprofit organizations to install sediment and nutrient control</p>	<p>United States: Runoff Risk Advisory Forecasts for Farmers</p> <p>Updated on: September 23 2019</p> <p>Runoff Risk Decision Support is a real-time forecasting tool that gives farmers guidance about when to apply fertilizers to their fields. The tools provide farmers and producers actionable</p>	<p>Indiana: Promote soil health practices</p> <p>Updated on: November 14 2019</p> <p>Healthy soil with a higher organic content reduces erosion, ameliorates the effects of flood and drought, reduces nutrient and sediment loading to streams and rivers, and may require fewer</p>
<p>Ohio: Water quality monitoring network</p> <p>Updated on: April 14 2021</p> <p>The Ohio Environmental Protection Agency (Ohio EPA) has assisted in the establishing a comprehensive/continuous water quality monitoring network specific to tracking progress</p>	<p>Ohio: Open water monitoring system</p> <p>Updated on: August 10 2020</p> <p>Existing monitoring funds will be used to implement an open water monitoring system in western Lake Erie.</p>	<p>Ohio: Water Infrastructure upgrades</p> <p>Updated on: August 13 2020</p> <p>The state of Ohio has invested in point source nutrient reduction efforts by offering financial assistance to communities with discharge permits for wastewater treatment plant upgrades and</p>

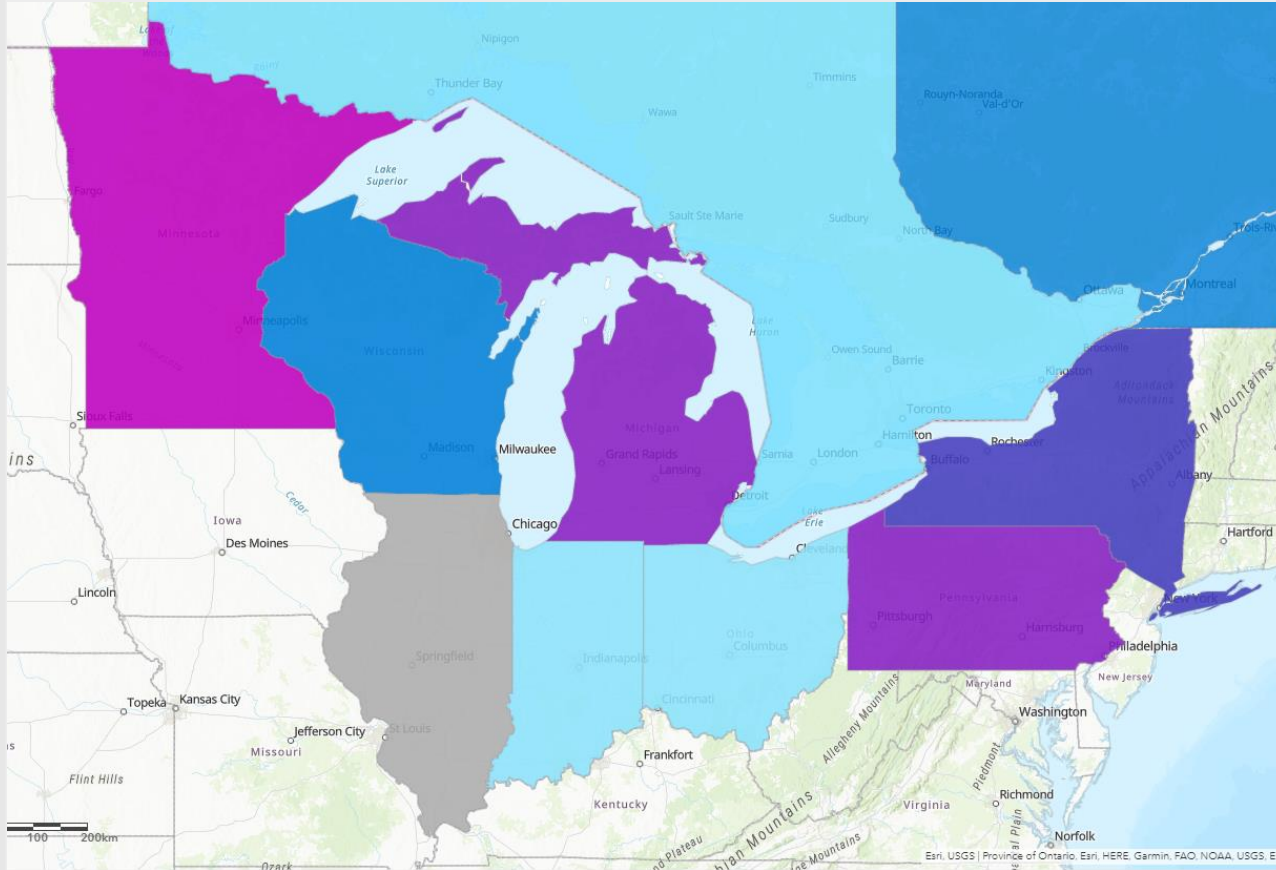
Programs to prevent AIS introduction and spread via recreational boating

Select a Jurisdiction

All

What this dashboard shows: This map shows the degree to which each Great Lakes jurisdiction incorporates different activities, regulations, and education/outreach tools to prevent AIS introduction and spread through the recreational boating pathway. Natural resource managers from each of the jurisdictions represented here participated in selecting the 20 primary components of a prevention program for recreational boating, and jurisdictions are color-coded based on how many of those components are incorporated into their recreational boating program. Information on each of the components and how each state incorporates them is available below. Use the dropdown menu above to learn more about each jurisdiction's prevention program for recreational boating.

[Click here for more information on strategies to prevent aquatic invasive species introductions through recreational boating.](#)



Sources: [US EPA DWMAPS](#); [Minnesota PCA](#); [Indiana DEM](#); [Illinois EPA](#); [Pennsylvania DEP](#); [Michigan DEQ](#); [Wisconsin DNR](#); [New York DEC](#); [Ohio EPA](#)

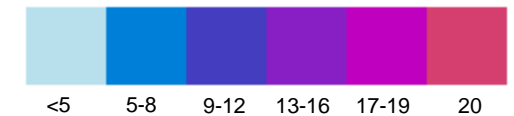
Recreational Boating Prevention Program

2,000+
public boat launches in
Ohio

552,260
registered boats under 26
feet in Ohio in 2018

Map Legend

Number of primary program components incorporated into a jurisdiction's recreational boating program (out of 20)

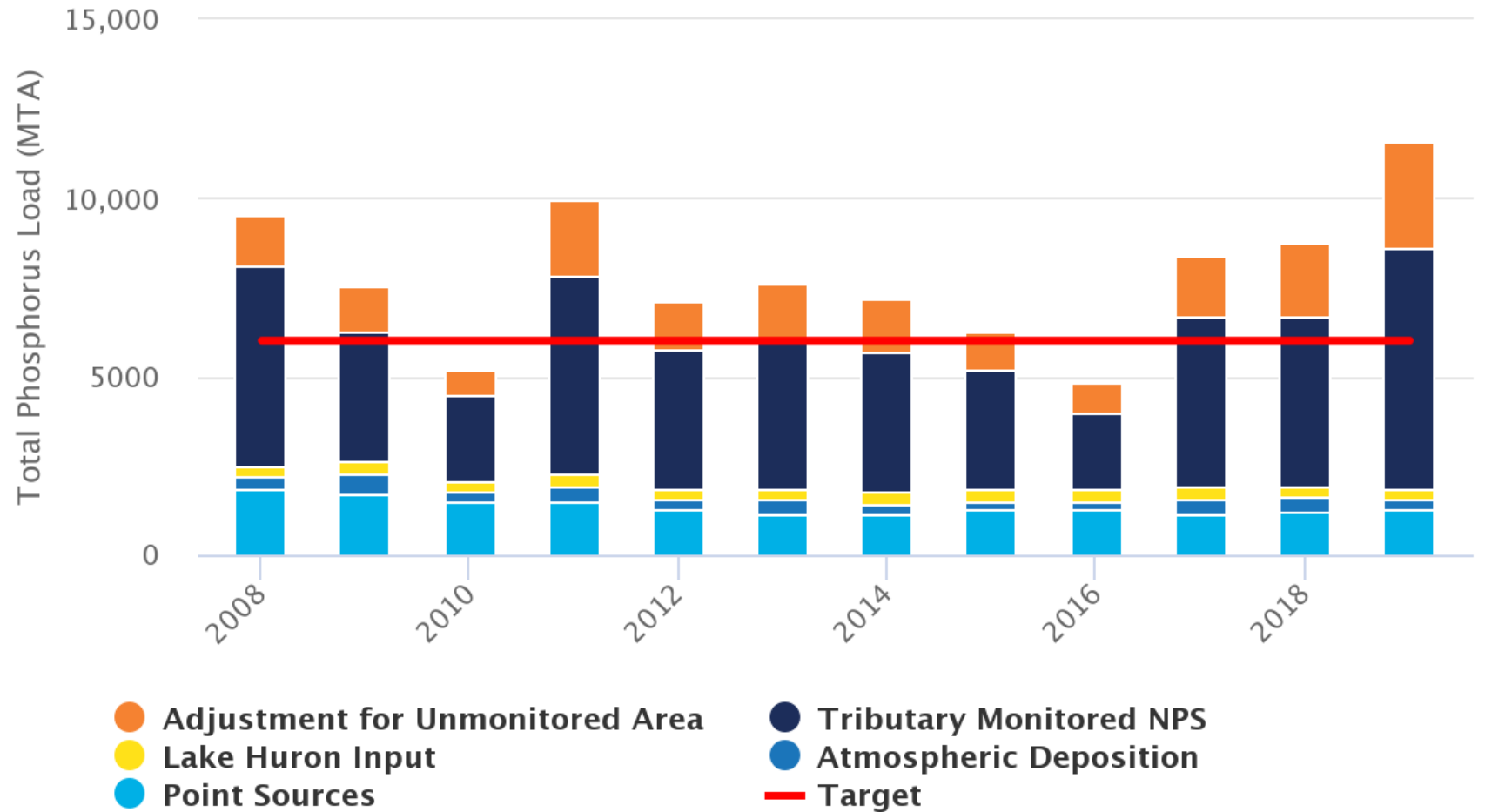


Map Legend

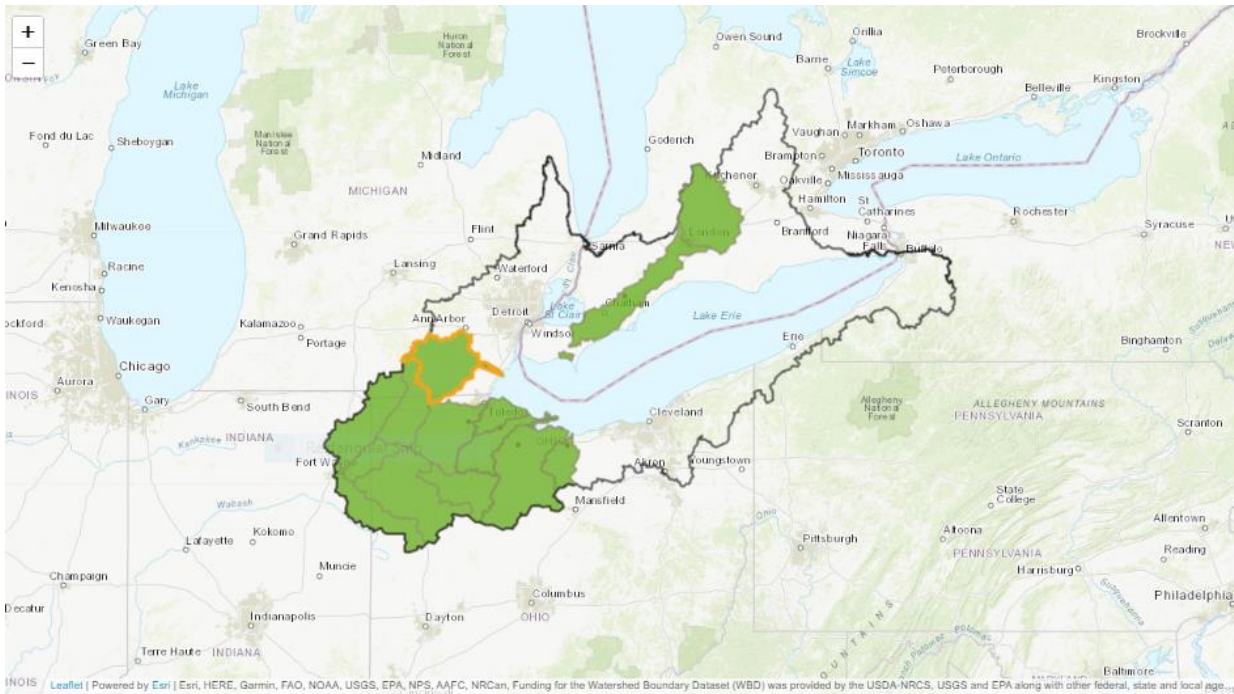
Lake Erie Phosphorus



Provisional Total Phosphorus Loading to the Western and Central Lake Erie Basins



By tributary...



River Raisin Watershed

The River Raisin is a river in southeastern Michigan that flows into Lake Erie. The area is an agricultural and industrial center. The river flows for almost 150 miles (241 km), draining an area of 1,072 square miles (2,780 km²) in the Michigan counties of Lenawee, Washtenaw, Jackson, Hillsdale, a portion of Fulton County, Ohio. The mouth of the river is located in Monroe County, Michigan.

Spring SRP Loading and Spring Discharge

Spring SRP FWMC

Spring TP Loading and Spring Discharge

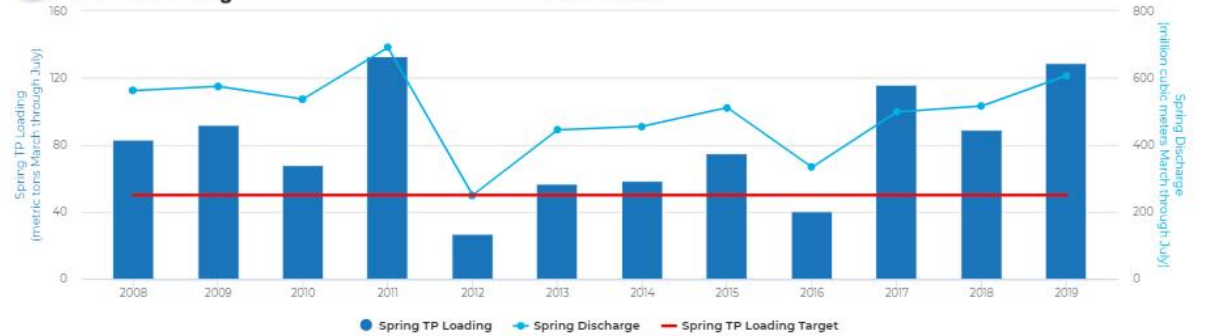
Spring TP FWMC



Blue Accounting

River Raisin Spring TP Loading and Spring Discharge

*TP: Total phosphorus



Blue Accounting

Next Steps

January-June 2021

- Redesign platform
- Migrate ErieStat & AIS Issue content

July-Dec 2021

- Launch updated Drinking Water issue (**with GLLC Task Force content?**)
- Fundraising
- Continue content development and partner engagement

2022 and beyond

- Continue phasing in other Issues
- Complete integration within GLC

Discussion



Questions? Comments?

- Under participants click “raise hand” and unmute your line when we announce your name
- Type your question in the chat pane to be read by staff or have staff call on you.
- Just unmute yourself and ask a question

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About the GLLC

- The GLLC is a binational, nonpartisan group of state and provincial lawmakers from the Great Lakes region.
- Organized around the principle of assuring that the Great Lakes and St. Lawrence River continue to provide a plentiful source of clean, affordable water to the region's residents, businesses, and industries.
- Legislators may enroll at [bit.ly/GLLCmember](https://greatlakeslegislators.org) (case sensitive). This link is available on the GLLC website:
<https://greatlakeslegislators.org>.



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State and Provincial Efforts to Reduce Nutrient Inflow to the
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