



# Great Lakes Restoration Initiative

## Programmatic Update

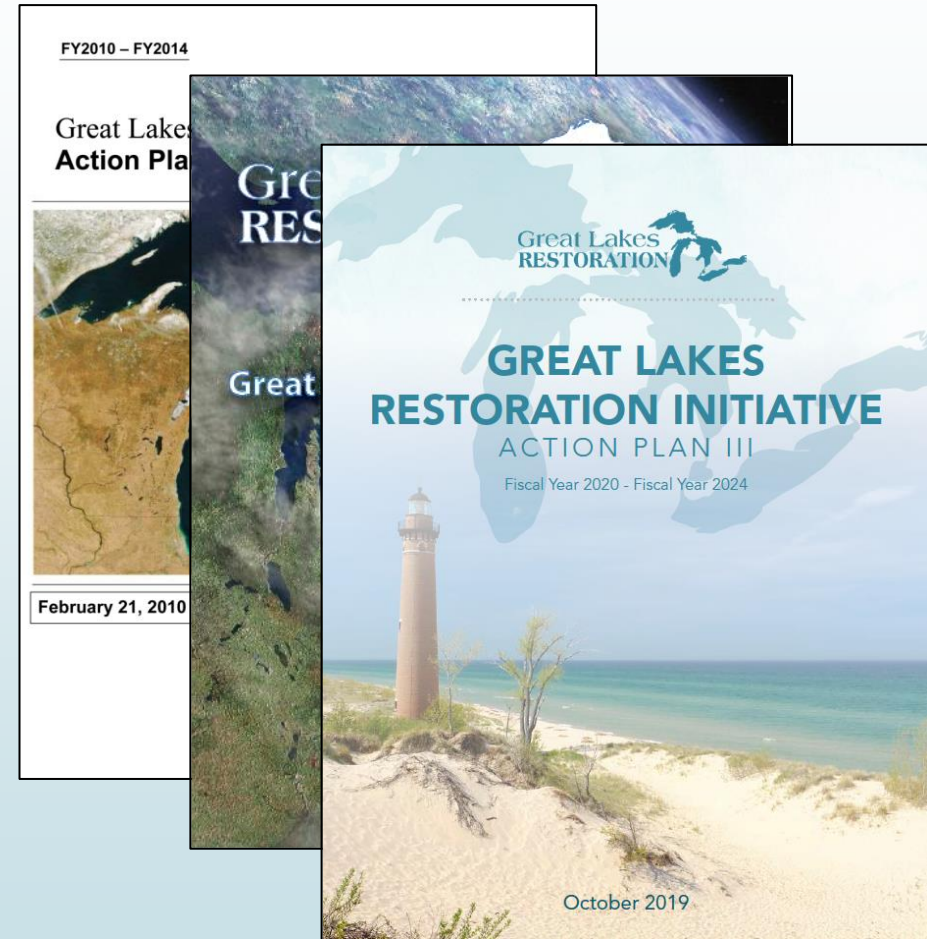
Great Lakes ANS  
Panel Meeting  
November 17, 2020

# Presentation Overview

- As we begin GLRI Action Plan III...
- Key GLRI Issue Areas for FY21
- Planned Activities in FY21 and near-term
- State and Tribal Input into GLRI
- *\*Extra – Great Lakes and Lake Champlain Invasive Species Program Update*

# GLRI Action Plan III (2020-2024) Begins

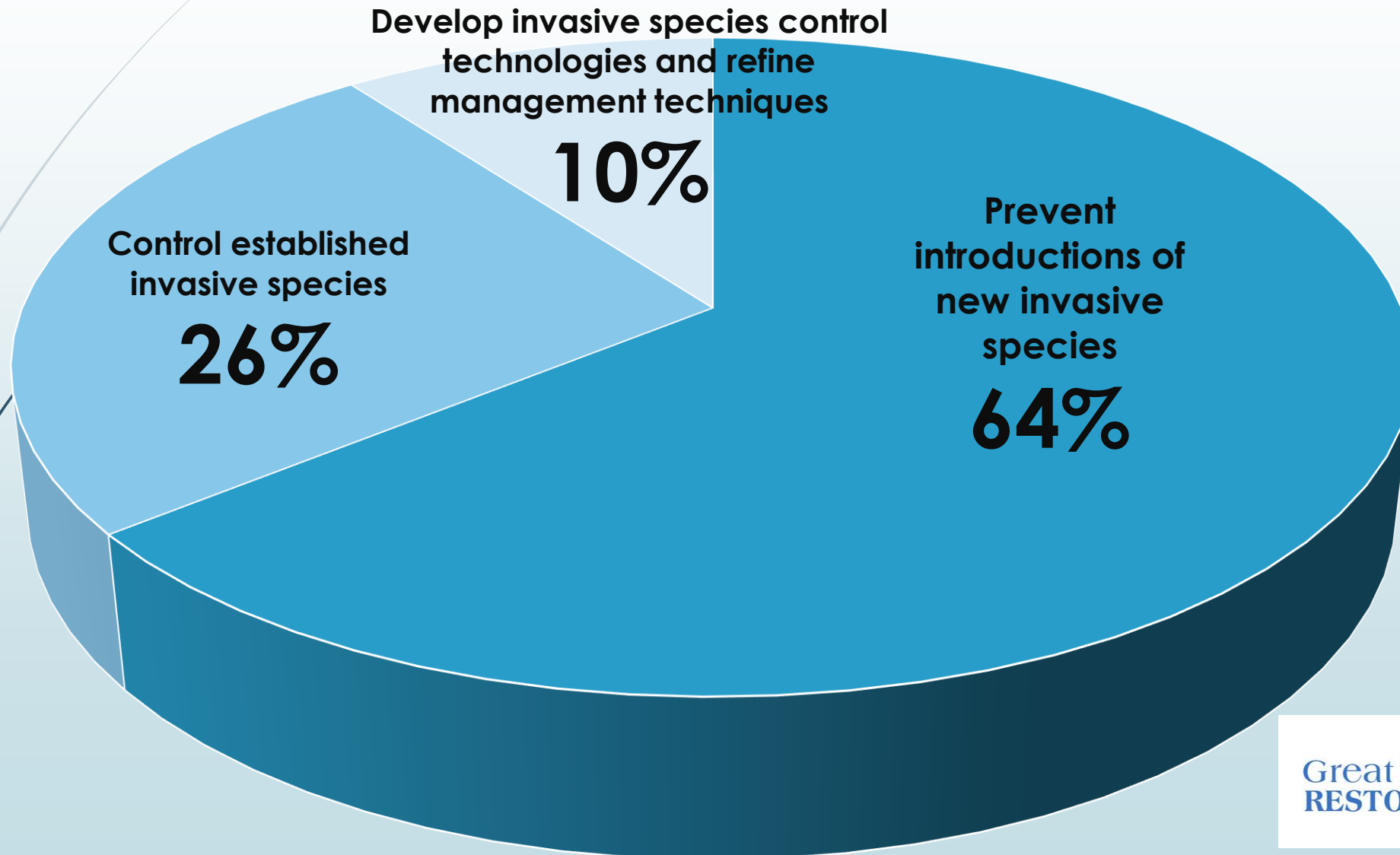
- Agencies, states, tribes and partners are transitioning projects and programs into GLRI Action Plan III
- New reporting systems and processes established to document GLRI accomplishments
- Establishment of a new Great Lakes Advisory Committee (GLAB) to provide public input into GLRI implementation



# GLRI Focus Area 2 Key Issue Areas

- Sustain Asian Carp Action Plan progress
- Maintain early detection and surveillance for non-native species
- Enhance multi-agency ballast water research efforts
- Provide support to state priority invasive species projects
- Support construction of the large sea lamprey barriers
- Stand up collaborative and innovative approaches to controlling established species

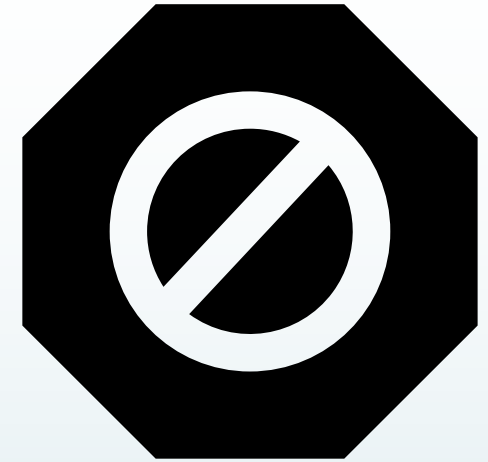
# Planned FY21 GLRI Invasive Species Funding by Objectives



# Major Planned Activities

## *Prevent Introductions of New Non-native Species*

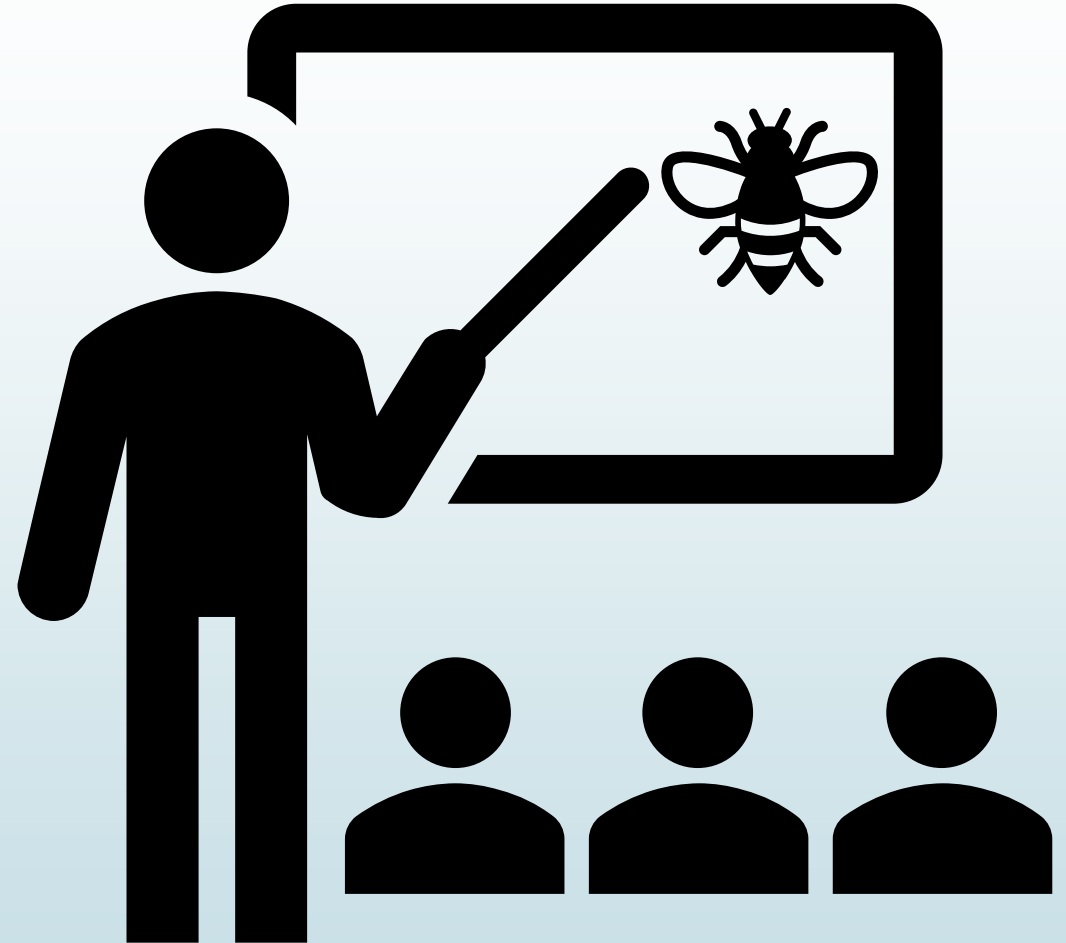
- Move closer to construction of barrier to address 3<sup>rd</sup> ranked possible connection between the Ohio River and Great Lakes Basin for Asian Carp
  - Multi-Agency Asian Carp Regional Coordinating Committee – Little Killbuck Creek



# Major Planned Activities

## *Prevent Introductions of New Non-native Species*

- Establish and support citizen science and volunteer networks to increase coverage and efficiency of detecting occurrence of new non-native species
  - USFS - Pathways Education & Boat Washing Stations
  - NPS – Citizen Science and Education at National Parks/Lakeshores



# Major Planned Activities

## *Prevent Introductions of New Non-native Species & Control Established Invasive Species*

- Provide significant, direct support and competitive grant opportunities to states and their partners to implement priority projects and initiatives
  - USFWS – State and Interjurisdictional AIS Grants
  - EPA – LAMP Priority Projects
  - USDA-APHIS – Species-specific Control Activities
  - USACE – Sea Lamprey and Hydrilla Control

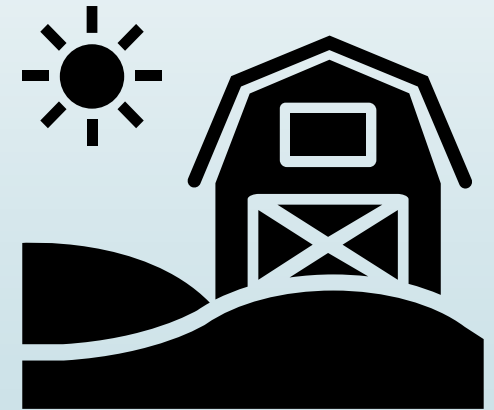
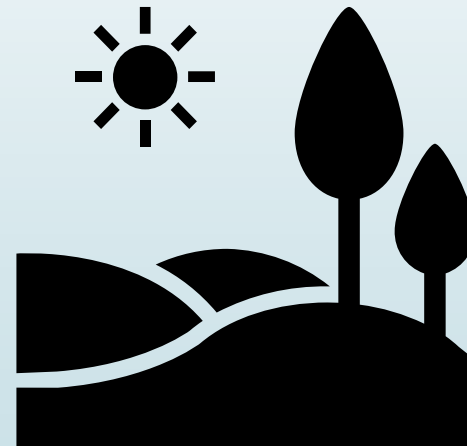
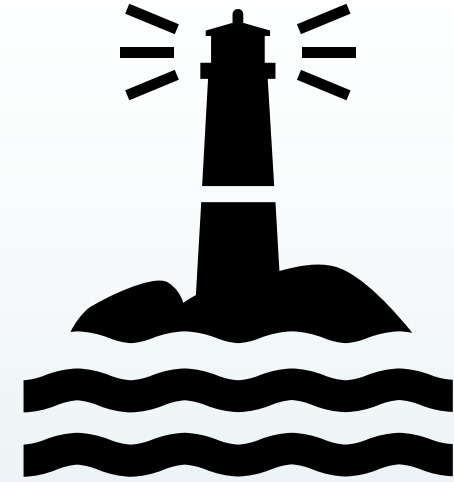




# Major Planned Activities

## *Control Established Invasive Species*

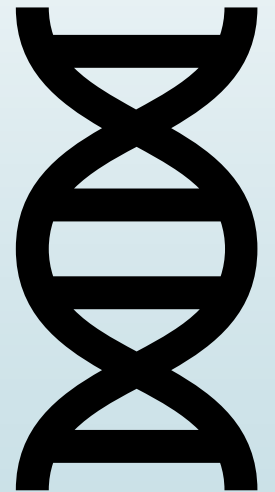
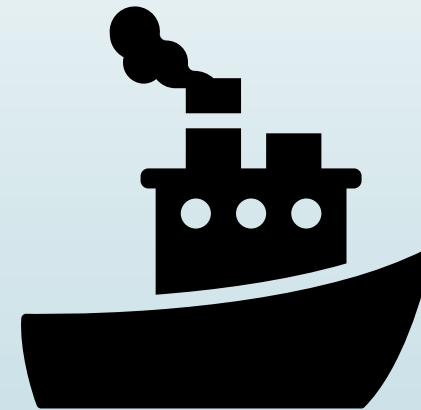
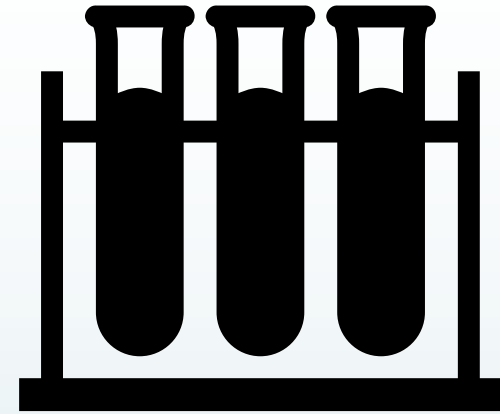
- Significant funding made available to regional and local entities, as well as private landowners through competitive grant programs
  - NFWF - Sustain Our Great Lakes
  - USFS – Cooperative Weed Management Areas & Forest Insect and Disease Mitigation
  - NRCS – Farm Bill EQIP Contracts



# Major Planned Activities

*Develop invasive species control technologies and refine management techniques*

- Advance research and development on innovative control technologies for organisms in ballast water, non-native Phragmites, sea lamprey, and red swamp crayfish
  - MARAD – Ballast Water Technology Development
  - USGS – Invasive Crayfish, Phragmites, and Invasive Mussels
  - DOS-GLFC – Sea Lamprey Control Research

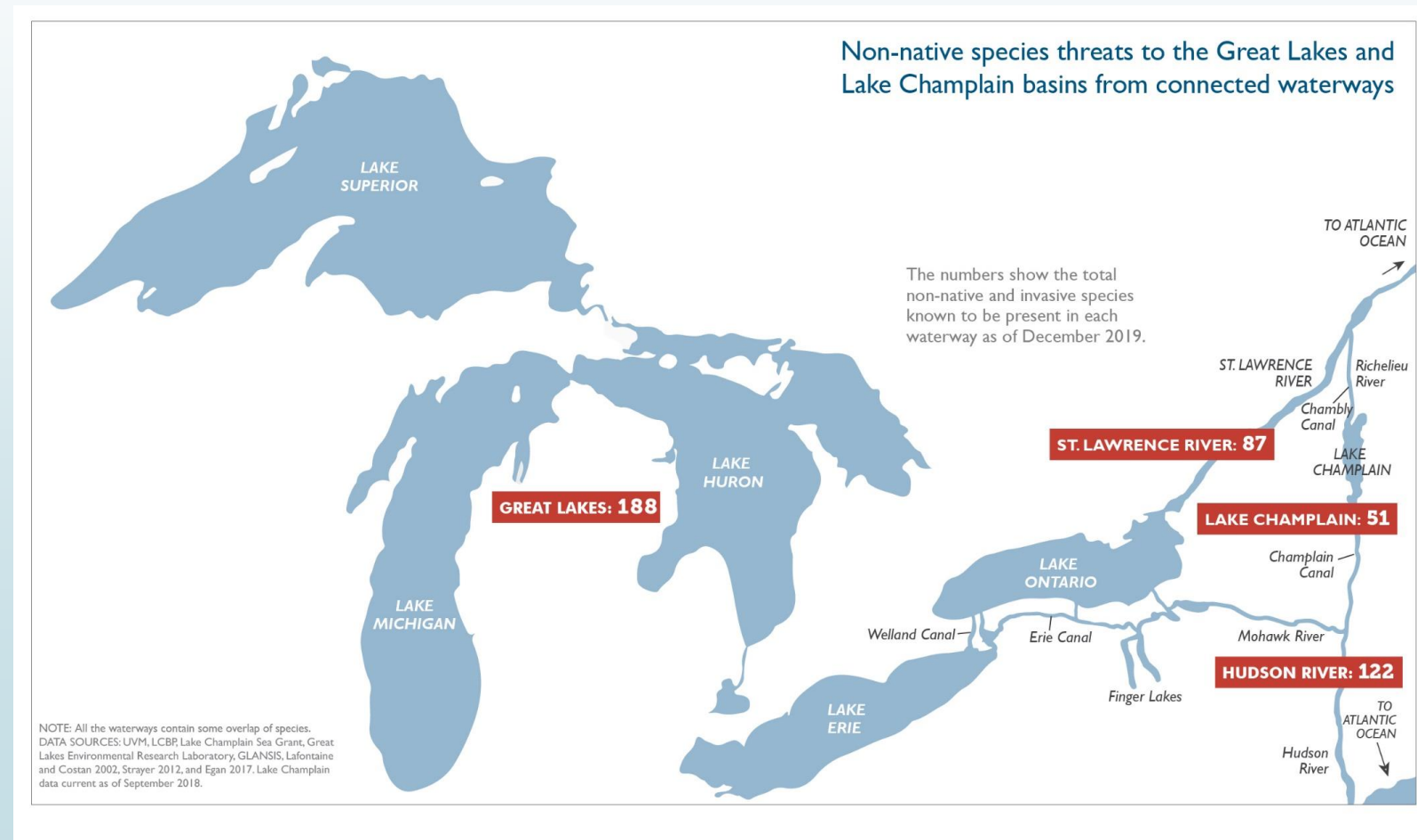


# Evolution of State and Tribal Input into GLRI

- Increased communication with states over the last 3 years
  - State-by-state and forum meetings
  - Standardized, solicitation of state priorities for annual planning purposes
- GLRI Distinct Tribal Program
  - Administered by Bureau of Indian Affairs (BIA)
  - Greater flexibility for identification and support of tribal projects

# Great Lakes and Lake Champlain Invasive Species Program (GLLCISP, not GLRI)

- Authorized through the 2018 Vessel Incidental Discharge Act Section 903(g)
- Not appropriated funds since authorized



# 2018 GLLCISP Authorization Required Report to Congress

- Description of activities
- Multidisciplinary efforts
- Recommendations related to achieve GLLCISP Purposes
- Recommendations to achieve efficiency

## THE GREAT LAKES AND LAKE CHAMPLAIN INVASIVE SPECIES PROGRAM

2019 Report to Congress



*A summary of existing federal, state, and tribal invasive species activities aligned with the listed purposes of Great Lakes and Lake Champlain Invasive Species Program as set forth under the Vessel Incidental Discharge Act of 2018 and currently supported through the Great Lakes Restoration Initiative, the Lake Champlain Basin Program, state, and other appropriations.*



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# 2018 GLLCISP Authorization Identifies Eight Purposes of Program

- to monitor for the introduction and spread of ANS species...
- to detect newly introduced ANS prior to the establishment ...
- to inform, and assist with, management and response actions...
- to establish a watch list of candidate ANS...
- to monitor vectors...
- ...to develop criteria for prioritizing and distributing monitoring effort
- to develop, achieve type approval for, and pilot shipboard or land-based ballast water management system.... for use by, commercial vessels operating solely within the Great Lakes and Lake Champlain
- to facilitate meaningful Federal and State implementation of the regulatory framework

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# GLLCISP Report to Congress: Federal Funding for Great Lakes and Lake Champlain\*



\$<1 million per  
year for AIS  
activities



\$50 million per  
year for AIS/TIS  
activities

\* Comparison between EPA Geographic Programs federal appropriation only. Fuller comparison would include additional federal, state, tribal, and other funding sources

# 2018 GLLCISP Report to Congress Recommendations

- Establish a more robust Lake Champlain AIS Program
- Enhance ballast water research and development of technologies
- Increase state and tribal AIS program support
- Increase research to support surveillance and early detection approaches

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Thank You!