

# Wisconsin Department of Natural Resources GLRI Effort

- EPA Partnership
  - Student Water Craft Inspection
    - UW – Oshkosh
    - Sea Grant
  - AIS Monitoring
    - 3 Regional AIS Monitoring and Outreach Specialists
    - 1 Monitoring Coordinator
  - Great Lakes Outreach Specialist (Sea Grant)
- USFWS ANS Plan Implementation
  - Reach out to bait dealers
  - Increase AIS monitoring and tracking
  - Enhance watercraft inspection & compliance
  - Boat launch signs
  - Strengthen local, county and state partnerships

Thanks to EPA and US FWS for these funds.

## GLRI Action Plan – Measures of Progress

	<b>Rate of nonnative species newly detected in the GL ecosystem</b>	<b>Acres managed of populations of IS controlled to a target level</b>
Currently (2010)	Currently tracking 22 AIS in Wisconsin (SWIMS database) Citizen Lake Monitoring Network (CLMN – 2500 volunteers)	Purple Loosestrife Biocontrol Eurasian Water Milfoil (Early Chem. Rx., Weevil) Phragmites control
Grant	Increase monitoring staff Comprehensive Statewide Early Detection Monitoring	Purple Loosestrife Eurasian Watermilfoil Phragmites
Objective	Determine the presence of AIS and determine their rate of spread in the state.  (150 lakes/yr x 5 yrs)	3,000 acres of control to target level (cumulative)

## GLRI Action Plan – Measures of Progress

	<b>Rapid Response Plans</b>	<b>Number of recreation and resource users contacted</b>
Currently (2010)	Hydrilla, Yellow Floating Heart, Red Swamp Crayfish, Grass Carp, Brazilian Water Weed	<ul style="list-style-type: none"> <li>•72,000 Boats inspected</li> <li>•158,000 People Contacted</li> </ul>
Grant	Not a component of grant. Discussions needed	<ul style="list-style-type: none"> <li>•Hire 3 DNR Monitoring and Outreach staff, 1 Monitoring Coordinator</li> <li>•Hire 9 interns, 1 coordinator for CBCW at GL boat Launches (Sea Grant)</li> <li>•Hire 1 GL Outreach Specialist (Sea Grant)</li> <li>•Hire 1 coordinator and 15 interns for CBCW at Winnebago system boat launches</li> </ul>
Objective	Modify ANS Plan to include a Rapid Response Plan with 22 mock exercises	<p>8,000 additional boats inspected</p> <ul style="list-style-type: none"> <li>• 10,000 additional people contacted</li> </ul>

# Questions/Clarifications

- Focus Area 2: Invasive Species - Action Plan Objectives;
  - Please clarify the term technologies
  - Great Lakes ecosystem = basin
  - Invasive species = aquatic and terrestrial
  - 40% reduction in yearly average rate of IS newly detected... = 40% reduction of new species or of new detections

# GLRI Action Plan - Objectives

<u>Objective</u>	<u>2011</u>
ANS plans modified to include rapid response capacity	Several independent rapid response reports have already been prepared (Hydrilla, Red Swamp Crayfish, Yellow Floating Heart).
6 Technologies that prevent the introduction of IS, 4 technologies that either contain or control IS	<ul style="list-style-type: none"> <li>•Information &amp; Education</li> <li>•Regulations</li> <li>•Grants (Rapid Response, Education and Planning, etc)</li> <li>•Disinfection</li> <li>•Water Craft Inspection</li> <li>•Citizen Lake Monitoring</li> <li>•Community Based Social Marketing</li> <li>•Chemical – Early season 2,4-D Treatments</li> <li>•Physical – Destratification (Rainbow Smelt)</li> <li>• Biological – Purple Loosestrife, Eurasian Watermilfoil</li> <li>•Smart Prevention</li> <li>•Research</li> </ul>
Pilot methodologies and protocols for coordinated monitoring basin wide	<p>Citizen Lake Monitoring Network</p> <p>WDNR Monitoring</p>

# GLRI Action Plan - Objectives

<u>Objective</u>	<u>2014</u>
Rapid response plans implemented and 22 mock exercises conducted	Further discussions needed
10 Technologies that prevent introduction of IS, 5 technologies that either contain or control IS	Ballast Water Trade Industry Boat Wash Stations Compliance/Enforcement
Basin wide surveillance to provide early detection on IS	Summer of 2011
40% reduction in the yearly average rate of IS newly detected in the GL ecosystem (compared to 2000 – 2009)	Clarification needed: New species or introductions?
IS population reduced by 6,500 acres, and 5,000 pounds	Eurasian Water Milfoil Purple Loosestrife Rainbow Smelt