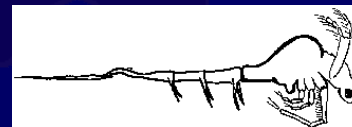


# PROGRESS ON THE AIS ACTION PLAN UNDER THE GREAT LAKES REGIONAL COLLABORATION



Marc Gaden, Great Lakes Fishery Commission

Great Lakes Commission Annual Meeting  
October 4, 2006

# AIS Strategy Team Co-Chairs

- **Ken DeBeaussaert**, Michigan Office of the Great Lakes
- **Chris Goddard**, Great Lakes Fishery Commission
- **Gerry Jackson**, U.S. Fish and Wildlife Service

# THE DRAFTING TEAMS

- **Aquaculture**

Ted Batterson, MSU

- **Maritime Commerce**

Allegra Cangelosi, Northeast-Midwest and Dave Reid, GLERL

- **Canals and waterways**

Phil Moy, WI Sea Grant

- **Organisms in trade**

Kari Duncan, FWS and Tim Eder, NWF

- **Recreational activities**

John Schwartz, Sea Grant and Carol Swinehart, Sea Grant

# ELEMENTS OF THE AIS ACTION PLAN

- **Prevention**
- Support for provisions of NAISA
- Research to get the job done
- List of recommended actions
- Near-term actions identified

# MARITIME COMMERCE

The AIS Strategy Team recommends eliminating ship-mediated introductions and spread of AIS in the Great Lakes.

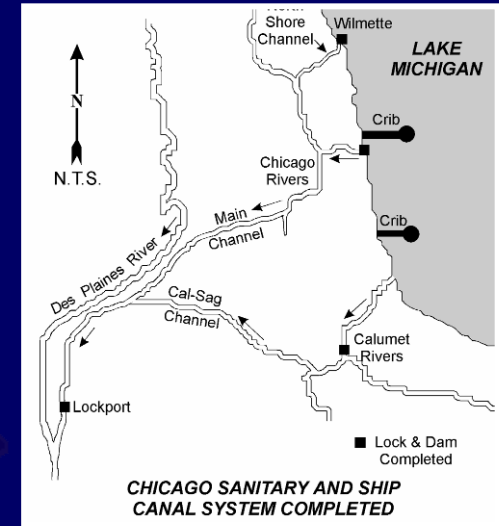
- Immediately address NOBOBs
- Immediate promulgation of environmentally protective standards for ballast water
- Application of ship-board ballast treatments for ocean-going vessels
- Review of best management practices for lakers
- Improved reporting of ballasting activities
- Immediate expansion of research for alternatives to ship board; application of technologies of ship-board treatments are inadequate



# CANALS AND WATERWAYS

The AIS Strategy Team recommends that Federal, state, and/or local governments enact measures that ensure the region's canals and waterways are not a vector for AIS.

- Completion of barrier system in Chicago, including investigating biological separation
- Examine options for Champlain section of New York State Canal System
- Close or modify un-used canals
- Prohibit new cross-drainage connections
- Full funding for sea lamprey control



# ORGANISMS IN TRADE

The AIS Strategy Team recommends that federal and state governments take immediate steps to prevent the introduction and spread of AIS through the trade and potential release of live organisms.

- Develop list of species of concern; immediate state moratorium on trade, transportation of those species
- Establish and implement a federal screening process for proposed importations
- More resources to implement the Lacey Act
- Increased law enforcement
- Development of risk models for organisms in aquaculture



# CONTROL, RAPID RESPONSE, MANAGEMENT, COORDINATION

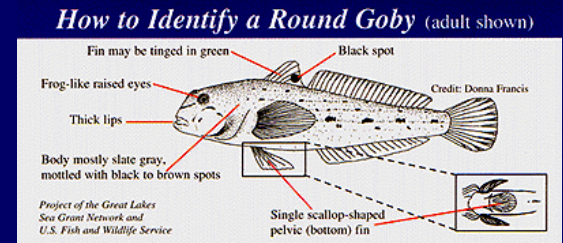
**The AIS Strategy Team recommends establishing a Great Lakes Aquatic Invasive Species Integrated Management Program to implement rapid response, control, and management programs and assess the effectiveness of those programs.**

- Develop and Implement State and Interstate Aquatic Nuisance Species Management Plans through the Aquatic Nuisance Species Task Force.
- Develop codes of best practices and encourage economic incentives (bonds, insurance).
- Establish a rapid response revolving fund and a Great Lakes Federal Rapid Response Team.
- Fund and implement enhanced monitoring.
- Concerted research effort to develop new controls.
- Coordinated data reporting and sharing.
- Better coordination and accountability.

# EDUCATION AND OUTREACH

The AIS Strategy Team recommends adequate support to conduct and evaluate cost-effective AIS vector-specific outreach and education programs.

- Focus on behavior change and responsibility of resource users
- Funding to educate boaters and anglers.
- Continuation of AIS-focused Hazard Analysis and Critical Control Point (HACCP) training.
- Education for all facets of maritime industry.
- Establish organisms in trade educational campaign.



### *General Characteristics*

- No other native fish in the Great Lakes has the single pelvic fin
- Young are solid slate gray
- Usually 3-6 inches (7.6 - 15.2 cm) long; may be up to 10 inches (25.4 cm)



# PROGRESS ON SELECTED NEAR-TERM ACTIONS

ACTION	PROGRESS
<b>Support provisions of NAISA</b>	<b>Legislation not passed Congress; but discussions continue</b>
<b>Complete dispersal barriers on Chicago Sanitary and Ship Canal; O&amp;M in base budget</b>	<ul style="list-style-type: none"><li>• <b>Barrier II (a) completed but not operating</b></li><li>• <b>Barrier II (b) electrodes installed; powerhouse not begun</b></li><li>• <b>WRDA</b></li><li>• <b>Funding for O&amp;M an IL responsibility, unless WRDA passes</b></li><li>• <b>O&amp;M funding still annual thing, if at all</b></li></ul>

# PROGRESS ON SELECTED NEAR-TERM ACTIONS

ACTION	PROGRESS
Immediately manage NOBOB vessels	<ul style="list-style-type: none"><li>• Coast Guard instituted voluntary management practices for NOBOBs</li></ul>
Develop federal screening process	Not begun
State lists of species of concern	States working on this individually

# PROGRESS ON SELECTED NEAR-TERM ACTIONS

ACTION	PROGRESS
Sea lamprey control	<ul style="list-style-type: none"><li>• Federal budget proposed a 15% cut</li><li>• House and Senate restored funds; needs reconciliation</li></ul>
Funding for state/interstate ANS plans	<ul style="list-style-type: none"><li>• \$300k for regional panels</li><li>• Some money for state plans</li></ul>

# LEGISLATION

- **NAISA—S. 770/H.R. 1591 and 1592**
  - Ship vector (including ballast)
  - Other pathways
  - Screening
  - Rapid response
  - Monitoring
  - Research
- **Ballast Water Management Act—S. 363**
  - Ship vector only
  - Inspired by International Maritime Organization agreement

# NAISA AND S. 363 COMPARED

ELEMENT	NAISA	S. 363
Comprehensive	Yes	No
Ballast treatment performance	Sets floor with a mandate for ratcheting	Sets standard itself (stricter than IMO)
Deadlines	New ballast treatment by 2011	<ul style="list-style-type: none"><li>• Staged deadlines for existing ships that enter the Great Lakes (2014-2016)</li><li>• Can delay if technologies not available</li></ul>

# NAISA AND S. 363 COMPARED

ELEMENT	NAISA	S. 363
Before deadlines	Best performing treatment (BWE or other)	“At least as effective” as BWE
Preempt Clean Water Act or state actions?	No	Yes
Status	In committee in both House and Senate  Hearings held	Reported out of Senate committee  No comparable House bill

# OTHER LEGISLATION

- **WRDA—House and Senate**
  - Authorizes completion of dispersal barriers
  - Authorizes making barrier I permanent
  - Makes barriers a single federal project
  - Senate authorizes credit to states that contributed
  - Needs reconciliation
- **Asian carp prevention act—House (Rep. Green of WI) and Senate (Sen. DeWine of Ohio)**
  - Lists Asian carp as “injurious” under Lacey Act
  - Prohibits importation (important for largescale silver carp) and interstate transportation
  - Almost made it for a vote in the House—organized opposition
- **National Invasive Species Council Act—DeWine and Ehlers**
  - Codifies NISC



**[www.aisstrategyteam.org](http://www.aisstrategyteam.org)**