

State Management Planning for the Prevention and Control of Great Lakes Aquatic Invasions

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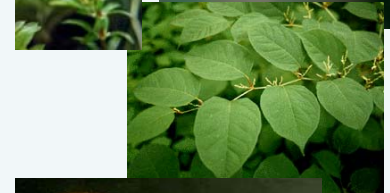
Great Lakes Commission Overview

- **Mission:** *Dedicated to the use, management and protection of the water, land and other natural resources of the Great Lakes-St. Lawrence system*
- **Established by the Great Lakes Basin Compact in 1955**
 - **Legislative action between the Great Lakes states that was given Congressional approval**
- **Binational Agency**
- **8 Great Lakes states, Ontario and Quebec**



Great Lakes Aquatic Invasions ***A Priority Issue for the Commission***

- **Ecological and economic costs from aquatic invasive species (AIS) introductions mounting:**
 - **Ecological impacts**
 - disruption of natural balance of food webs
 - degradation of habitat and biodiversity: placing 42% of threatened and endangered species at risk
 - **2005 economic losses on a national scale estimated at \$5 billion, resulting from impacts such as**
 - fouled water intakes
 - reduced value of recreational and commercial fishing
 - decreased property
- **Human health risks**



Great Lakes Aquatic Invasions A Priority Issue for the Region

- **Great Lakes Regional Collaboration:**
A collective effort to define a strategy for restoring and protecting the Great Lakes on 8 different restoration issues, including aquatic invasive species
- **Goals of AIS Strategy Team**
 - Prevent all new introductions of AIS into the Great Lakes
 - Stop the spread of AIS within the basin, extirpate harmful AIS, or if impossible, then control to levels that ensure sustainable ecosystems and the social, economic and cultural uses they support



Great Lakes Commission

Aquatic Invasive Species Activities

- Provide staff support for the Great Lakes Panel on Aquatic Nuisance Species
 - Panel Meetings and Committees
 - Panel outreach materials
 - Quarterly ANS Newsletter: ANS Update
 - Panel website: www.glc.org/ans/panel.html
 - Great Lakes Aquatic Invasions brochure (to be published this fall)
- Commission manages AIS projects, such as
 - *Rapid Response Planning for Great Lakes Aquatic Invasions*
 - *Collaborative Approach to Advance State Management Plans for AIS Prevention and Control*



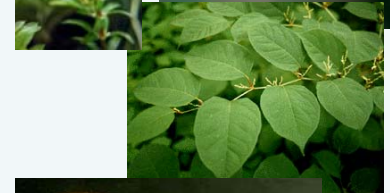
A Collaborative Approach to Advance State Management Plans for AIS Prevention and Control

- Today's Michigan AIS workshop is part of a larger effort based on the need for regional approach to state management planning (SMP) on AIS prevention and control
- Similar workshops are being conducted by other Great Lakes states to advance the SMP process in the region
- Project funding provided by NOAA's National Sea Grant Program with the Great Lakes Commission managing the overall project



Federal Legislation for AIS Prevention and Control

- **Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 (NANPCA)**
 - **Section 1203:** Established the national Aquatic Nuisance Species Task Force (ANSTF) and the regional Aquatic Nuisance Species (ANS) panels
 - **Reauthorized in 1996 as National Invasive Species Act (NISA)**
- **Reauthorization is currently pending:**
 - **National Aquatic Invasive Species Act of 2005 (NAISA)**
 - **Other proposed federal bills related to AIS prevention and control**

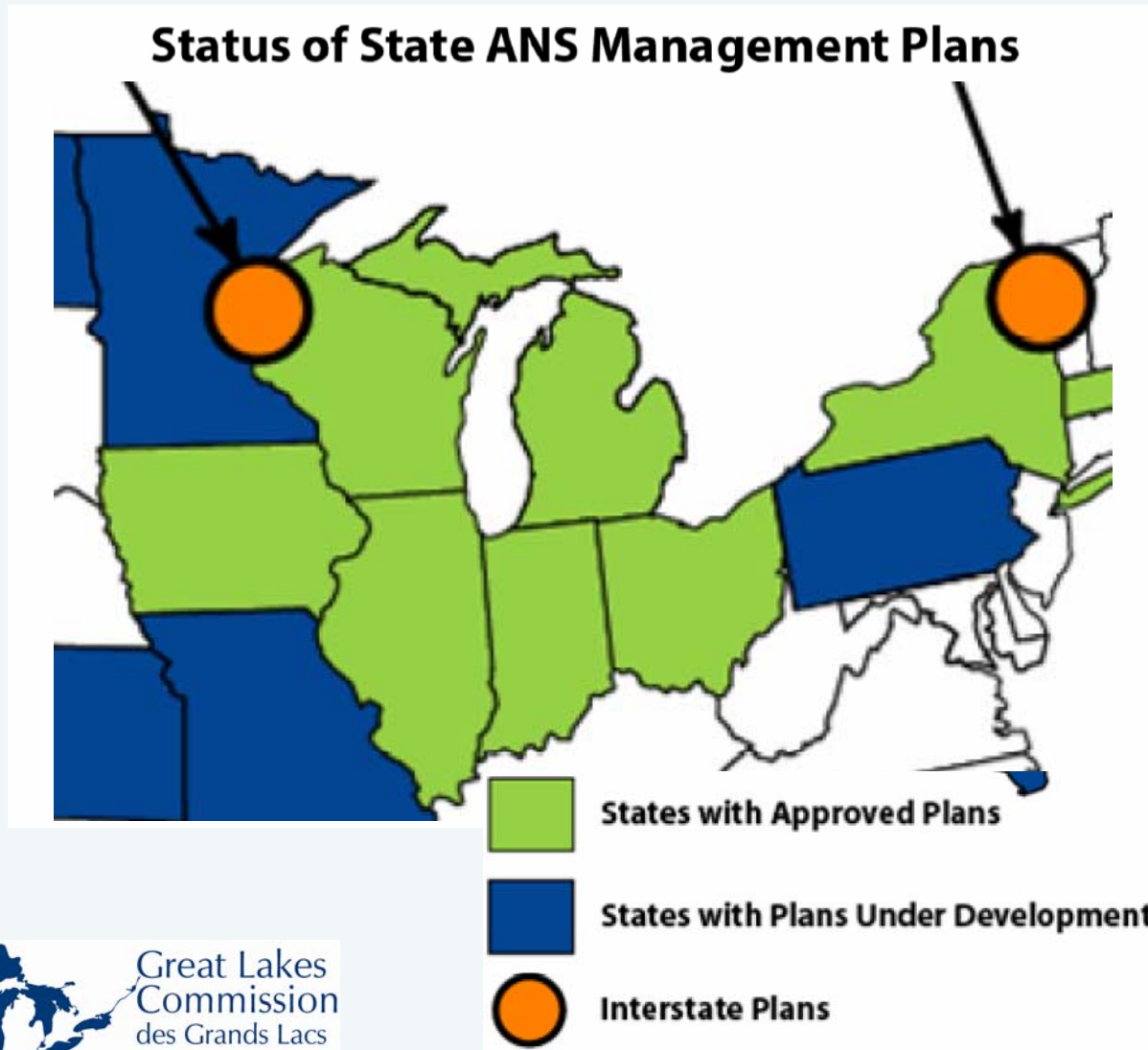


State Management Plans for AIS Prevention and Control

- **NANPCA of 1990**
 - **Section 1204:** provides institutional framework for ANS State Management Plans (SMPs)
 - **ANSTF conducts approval process for SMPs**
 - **Once approved, the state is eligible for implementation funds, based on federal cost sharing**
- **Widespread recognition that full funding for the SMPs is critical, yet funding levels have fallen short under NISA**
- **Need to prepare for the fact that it is unlikely the proposed NAISA will pass soon, leaving funding a steep challenge**

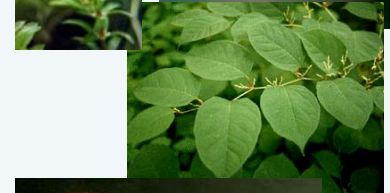


State Management Plans for AIS Prevention and Control – ANSTF Approval



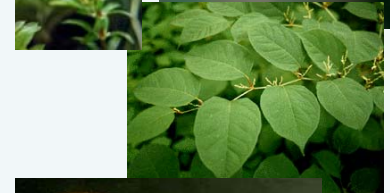
State Management Plans for AIS Prevention and Control – Commission Role

- Provide a regional framework for SMP development
 - Developed a model ANS plan (1996) with guidance from the Great Lakes Panel
 - Model plan provides guidance to the Great Lakes states based on the following 3 goals:
 - Prevent new ANS introductions
 - Limit the spread of established ANS populations
 - Abate harmful ecological, economic, social and public health impacts resulting from Great Lakes aquatic invasions
 - Facilitating workshops in each Great Lakes State to advance SMP process



A Collaborative Approach to Advance State Management Plans for AIS Prevention and Control

- **State specific SMP workshops based on collaborative efforts between the:**
 - **Great Lakes Commission**
 - **State Sea Grant Programs**
 - **State Natural Resource Agencies**
- **Focus of state specific workshops depend on the status of the State Management Plan (SMP) process**
 - **Development, implementation, evaluation, revision**
 - **Some SMPs address only aquatic invasive species while others combine both aquatic and terrestrial invasive species**



A Collaborative Approach to Advance State Management Plans for AIS Prevention and Control

- **Completed workshops:**
 - Wisconsin, Pennsylvania, Minnesota
- **Outcomes of workshops and information on SMPs will be presented at a regional summit (*Spring 2007*) focusing on:**
 - Shared priorities
 - Implementation strategies
 - Funding opportunities
- **A final report will be issued to the states after the summit**
- **Materials from each workshop available online: www.glc.org/ans/initiatives**



State Efforts to Prevent and Control Aquatic Invasive Species

Examples from around the Great Lakes Region



State Efforts to Prevent and Control AIS Plant Listing Programs

TABLE 1 – PLANT LISTING PROGRAMS IN THE GREAT LAKES REGION

	Noxious weed list	Exotic weed list	Invasive aquatic plant list	Noxious weed seed list	Individual exotic plant species
Illinois	X	X		X	
Indiana	X			X	X
Michigan	X			X	X
Minnesota	X		X	X	
Ohio	X			X	X
Wisconsin	X		X	X	X

Source: *Making A List: Prevention Strategies for Invasive Plants in the Great Lakes States*, Environmental Law Institute, April 2004



State Efforts to Prevent and Control AIS Plant Listing Programs

- **Wisconsin:**
 - Wisconsin Aquatic Plants Law
 - Currently listing 3 invasive aquatic plants
 - Additions can be made through WI DNR rule-making
- **Illinois:**
 - Illinois Exotic Weed Act
 - Currently lists 10 species
 - Additions can only be made through legislative amendment



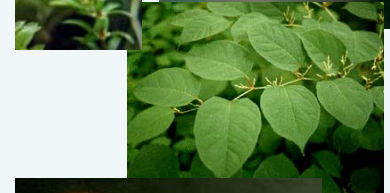
State Efforts to Prevent and Control AIS Plant Listing Programs

- **Minnesota:**
 - **Minnesota Exotic Species Act:**
 - Most extensive and ambitious of the Great Lakes states
 - Four-tiered classification system
 - 16 aquatic plants (separate lists for fish, invertebrates, and mammals)
 - Additions made through MN DNR rule-making process



State Efforts to Prevent and Control AIS Asian Carp and Snakehead

- **Federal/Interstate Regulation**
 - **Lacey Act Injurious Wildlife Provision**
 - makes it unlawful to import, export, transport, buy or sell fish, wildlife and plants taken or possessed in violation of federal, state or tribal law
 - In 2002, the U.S. Fish and Wildlife Service added snakeheads to the injurious species list
 - Proposed rule published Sep. 5, 2006 to add silver carp to the list (note: 60 day public comment period)



State Efforts to Prevent and Control AIS

Asian Carp and Snakehead

- **Indiana (DNR)**
 - **Illegal to import, possess or release (without a permit) listed species**
 - **Includes snakehead; black, bighead, and silver carp**
- **Pennsylvania (Fish and Boat Commission)**
 - **Lists aquatic species banned in Pennsylvania (sale, barter, possession or transportation)**
 - **Includes live snakehead species; black, bighead and silver carp**
- **Minnesota (DNR)**
 - **Prohibited invasive species list (fish):**
 - **Includes bighead, black, grass, and silver carp**



State Management Planning for AIS Prevention and Control – Wrap-Up

- **Advertisement: ANS-SMP Regional Summit**
 - Planned for Spring 2007
 - Objectives:
 - Foster communication and sharing of ideas
 - Develop collaborative strategies for controlling invasives at the regional level
 - Interjurisdictional collaboration, cooperation, and coordination
- A final report summarizing the project will be issued to the states after the summit
- Visit our project website!
 - <http://www.glc.org/ans/initiatives#advance>

