

Michigan AIS Programs

State Management Plan

GLRI Projects Update

Department of _____

Great Lakes Panel 12/2010

*Michigan's Aquatic Nuisance Species
State Management Plan Update*

Prevention and Control in Michigan Waters

*A cooperative effort of the
Michigan Department of Environmental Quality
Michigan Department of Natural Resources
Michigan Department of Agriculture
In Partnership with other Interested Parties
Prepared by
Michigan's Office of the Great Lakes
October 2002*



MI Great Lakes Plan:

*Our Path to Protect and Restore
Michigan's Natural Treasures*

REVISED OCTOBER 2008

Priority Area Goals

- Aquatic Invasive Species - Prevent all new introductions of AIS into Michigan, stop the spread of AIS within the state and clearly identify and organize responsibilities and authorities for AIS prevention, control, monitoring, regulation and outreach/education within the appropriate state agency.

Michigan's 2005 and 2008 Invasive Species Legislation

- Creates lists of prohibited and restricted species
- Rules for possession
- Penalties for violations
- Sets up invasive species fund & web site
- Do not transport for aquatic plants on boats and trailers

Michigan Ballast Water Regulation Interests

- Reporting legislation
- Permit legislation
- 401 certification for federal permit
- Input to federal legislation

Stakeholder Input

MI Great Lakes Plan Regional
Presentations

Michigan's AIS Program:
A Call to Action Workshop



Michigan Asian Carp Prevention Workshop

**Michigan State University Union
East Lansing, Michigan
Second Floor - Ballroom
November 22, 2010**

AGENDA

MICHIGAN DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT

PROPOSED PLAN FOR THE PREVENTION, DETECTION, ASSESSMENT, AND MANAGEMENT OF ASIAN CARPS IN MICHIGAN WATERS



DAVID CLAPP, JESSICA MISTAK, KREGG SMITH, and MARK TONELLO
FISHERIES DIVISION
OCTOBER 2010



The GLRI in Michigan

A. AIS Programs

1. Projects

a. State of Michigan

Direct

Commitments

b. Others

2. State Management Plan Grant

B. Other Program Areas

GLRI Project

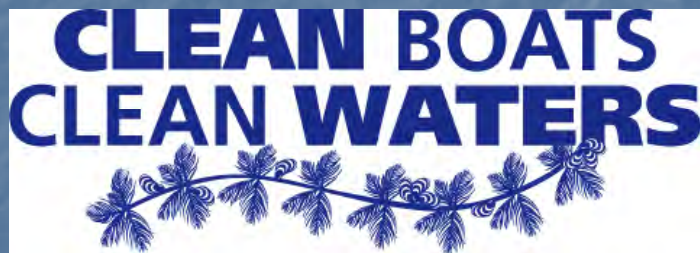
Mounting a Response to New Aquatic Invaders

Michigan DNRE, Wildlife Division

This project will develop and implement a Rapid Response Program in Michigan to control invasive aquatic plant species. This project will use best known methods to eradicate and control several invasive aquatic plant species that impact the health of the Great Lakes. This Rapid Response Program will help direct future resources for invasive species control to the most cost-effective, strategic, and highest threat locations.

GLRI Project Commitment Examples

- eDNA testing for Asian carp in Michigan waters (1st samples from SW Michigan were negative)
- Clean Boats/Clean Waters Program in Michigan



GLRI

State Management Plan Grant

- Capacity-building for Michigan
- Funds primarily staff time to implement AIS prevention and control programs

Program Goals

- The goal of Michigan's AIS program is to identify and block pathways used by aquatic invasive species to enter the state or spread within the state. A concurrent goal is to prevent establishment of new AIS if prevention plans fail.
- The goals will be accomplished through regulations, education, research, coordination, early detection, rapid response, and assessment as implemented under Michigan's AIS State Management Plan.

The AIS Core Program Participants

- Core Program Coordinator (DNRE Water Resources Division)
- DNRE Water Resources Division
- DNRE Fisheries Division
- DNRE Wildlife Division
- DNRE Law Enforcement Division
- DNRE Office of the Great Lakes
- DNRE Recreation Division
- MDA Pesticide and Plant Pest Management Division

Aquatic Invasive Species Prevention in Michigan

Vectors: Pathways

Concept Map

Maritime Commerce:
Ballast Water
Hull/Anchor/Superstructure
fouling

Agency Activities:
Stocking/hatcheries
Research and assessment
Harbor, navigation mainten-
ance and construction
Coast Guard activities

Organisms in Trade:
Pets/Aquariums
Aquatic plants
Shoreline and habitat restoration
On-line purchasing and use
Live food fish

Illegal Activities:
Plant release
Unauthorized introductions
Import of live bait

**Fishing and
Aquaculture:**
Fishing equipment
Sale/distribution of live bait
Use/disposal of bait
Aquaculture facilities
Charter fishing

Water Recreation:
Boating
Diving and other recreational
gear

**Tourism and
Development:**
Cruising vessels
Ecotours
Float planes and helicopters

**Canals and
Diversions**
Lift locks
Canals
Compensating works



Program Tasks

- Update and continue implementation of the State Management Plan
- Support commitments to GLRI projects
- Asian carp plan implementation
- Ballast water regulations
- Continue broad stakeholder input
- Implement other non-GLRI SMP grants
- Evaluate and report on GLRI measures

AIS Program Evaluation

- The AIS program in Michigan will create an evaluation system that tracks and reports on the Measures of Progress in the federal GLRI *Action Plan* for FY2010-FY2014. These are:
 - 1. Rate of nonnative species newly detected in the Great Lakes ecosystem (for Michigan)
 - 2. Acres managed for populations of invasive species controlled to a target level (for Michigan)
 - 3. Number multiagency plans established, mock exercises to practice rapid responses carried out under those plans, and/or actual rapid response actions (for Michigan)
 - 4. Number of recreation and resource users contacted on best practices that prevent the introduction and spread of invasive species (for Michigan)

Program Contacts

- Sarah LeSage: Water Resources Division
- Roger Eberhardt: Office of the Great Lakes
- Emily Finnell: Office of the Great Lakes
- Todd Grischke: Fisheries Division
- Sue Tangora: Wildlife Division
- Jason Fleming: Recreation Division
- Gary Hagler: Law Enforcement Division
- Robin Rosenbaum: Dept. of Agriculture



Michigan Inland Lakes Partnership

A Survey of Aquatic Invasive Species Management Programs Serving Michigan

www.michiganlakes.msue.msu.edu

