

# MICHIGAN DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT

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

### “Mounting a Response”

#### Ongoing Management Strategies

- Barriers in the Chicago Sanitary and Ship Canal to prevent movement into Lake Michigan
  - Support for ecological separation, between the Mississippi River and Great Lakes Basin
  - Barriers to prevent movement of Asian carps into the Des Plaines River during flooding
  - Environmental DNA surveillance by the U.S. Army Corps of Engineers and University of Notre Dame
  - Rotenone application to the Chicago Sanitary and Ship Canal in December 2009
  - Legal and legislative efforts to strengthen restrictions on possession and prevent movement of Asian carps
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**Goal V: Eradicate, contain, or manage populations of Asian carps if they become established in Michigan**

#### Strategic Actions

1. Follow Aquatic Invasive Species Hazard Analysis and Critical Control Point recommendations when conducting operations potentially influencing Michigan waters.
  - Clean and restrict gear, certification processes
2. Evaluate construction, maintenance, monitoring, operations, or removal of permanent and temporary barriers to dispersal of Asian carps.
  - *“Negative impacts of fish passage, including passage of undesirable species, should be addressed before any fish passage project is implemented, especially if the dam is the first barrier from the Great Lakes”* (from Fisheries Division policy 02.02.005)
3. Encourage commercial and recreational harvest.
4. Physically remove incidental catches of Asian carps during fisheries surveys, when practical.
5. Implement chemical piscicide eradication plans, if Asian carps create negative ecological, economic, or social effects in Michigan.
  - System- and situation-specific plans outlined in the DNRE’s Asian Carps Plan
6. Utilize new technologies, as available and appropriate, to contain or manage Asian carps.
  - Biological control, deterrent technologies, pheromones, genetic manipulation, chemical control

