

MICHIGAN DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENT

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

“Monitoring and Detection”

Goal III: Detect the presence of bighead, black, grass, and silver carps in Michigan

Strategic Actions

1. Implement an eDNA surveillance strategy for Michigan waters, based on Asian carps distribution and likely risk to Michigan waters.
 - Lake Michigan, Lake Erie, Saginaw Bay, Green Bay, tributaries / DRM lakes
2. Use an informed public (including commercial fishers, recreational fishers, and fish distributors) to enhance monitoring for introductions of Asian carps.
 - “Learn to Identify Asian Carp” brochure
 - On-line reporting form (www.michigan.gov/asiancarp)
3. Develop monitoring network through an expanded Scientific Collector’s Permit System.
4. Utilize existing inland and Great Lakes fishery survey efforts to detect the presence of Asian carps.
5. Monitor fish passage systems and weirs to assess the movement and distribution of Asian carps in Michigan rivers.
 - Grand River, St. Joseph River (fish ladders)
 - Little Manistee River, Platte River, Boardman River, Medusa Creek, and Swan Creek (weirs)

Goal IV: Gather population level data on Asian carps at areas where they have been detected in Michigan waters; measure response of Michigan fish populations to the introduction of Asian carps

Strategic Actions

1. Implement expanded fisheries surveys in waters where Asian carps have been detected, with survey designs linked to likely management actions in waters of concern.
 - How many Asian carps are present in the area of concern?
 - How are introduced Asian carps affecting resident fish populations in the area of introduction?
 - Netting, hydroacoustics, electrofishing, early life history surveys, creel surveys, commercial contracts

