

Stopping the Invasion to Protect Pure Michigan



Eurasian Milfoil



Asian Carp



Jack Pine Budworm

**Department of Natural Resources
Department of Environmental Quality
Department of Agriculture and Rural Development
February 2014**



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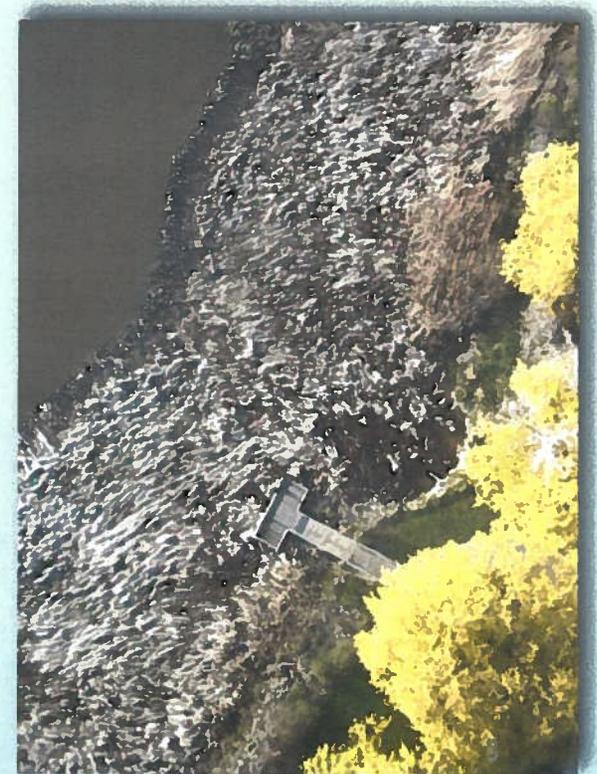
Strategic Investment to Address BOTH Terrestrial and Aquatic Invasive Species

- \$4,000,000 ongoing in FY 2015
- \$2,000,000 one time in FY 2015
- \$4,000,000 one time in FY 2016



Making a Difference

- “Boots on the ground” projects and management (60%)
- Increase capacity for statewide coordination, outreach and education (25%)
- Research projects to determine best practices (15%)



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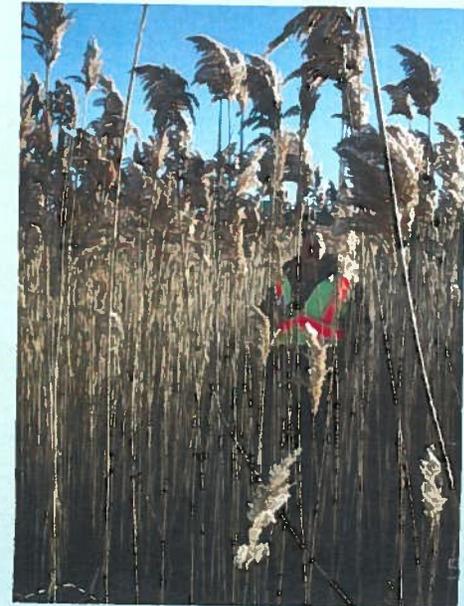
Increasing Capacity to Respond and Guide

- **Focus on partnerships**
 - **Cooperative Weed Management Areas (CWMA) & Michigan Inland Lake Partnership**
- **5 positions each for DNR, DEQ, DARD, and 1 for MDOT**
- **Key positions for inland lakes coordination, outreach and education, and terrestrial coordination**



Focus on Key Ecosystems Currently Compromised or Threatened

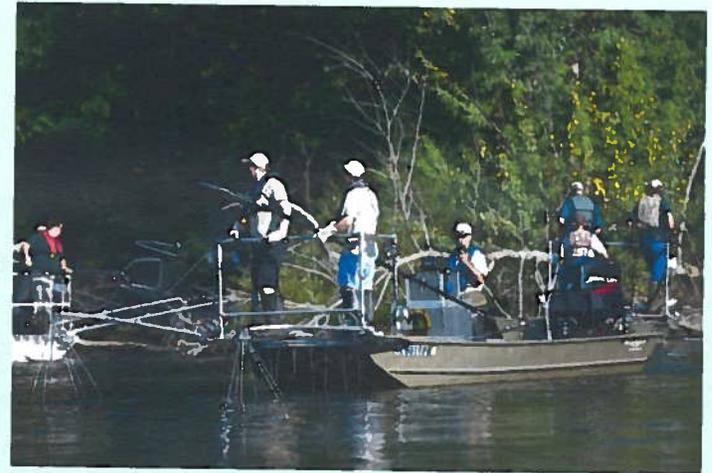
- **Upland Forests:**
 - Asian longhorned beetle, oak wilt, wooly adelgid
- **Inland Lakes:**
 - Eurasian watermilfoil, starry stonewort
- **Great Lakes:**
 - bighead, silver, and black carp
- **Coastal Wetlands:**
 - phragmites



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Aquatic Invasive Species

- **Aquatic Invasive Species Core Team**
 - Management Plan
- **Prevention through:**
 - Educational Programs
 - Landing Blitz
 - Clean Boats, Clean Waters program
 - Equipment
 - boat wash stations
 - boot wash stations



Aquatic Invasive Species *(continued)*

– Improve Detection

- coordinate volunteer efforts with Michigan Clean Water Corps (MiCorps)
- conduct eDNA surveillance for bighead and silver carp

– Expand enforcement efforts

- prevent sale or trade of invasive species through baitfish or other pathways
- implement traditional and new approaches to monitoring



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Aquatic Invasive Species *(continued)*

- **Aggressively respond when detected through strike teams and agency responses**
- **Develop innovative solutions for integrated approaches to managing inland lake and coastal invasive plant invasions**



Terrestrial Invasive Species

- **Create: Terrestrial Invasive Species Core Team**
- **Product:**
 - **Michigan Terrestrial Invasive Species Management Plan**
 - Pathways analysis
 - Prevention
 - Detection
 - Response/Management



Metrics

- **Make CWMA's available in all areas**
- **Respond to 90 early detection sites**
- **Provide outreach to 750,000 citizens**



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Thank You



***Managing Resources That Naturally
Make a Difference***