Emerald Ash Borer 2010 Survey and SL.A.M.

John Bedford

Pest Survey Program Manager

June 16, 2010

Michigan Department of Agriculture

Pesticide and Plant Pest Management Division

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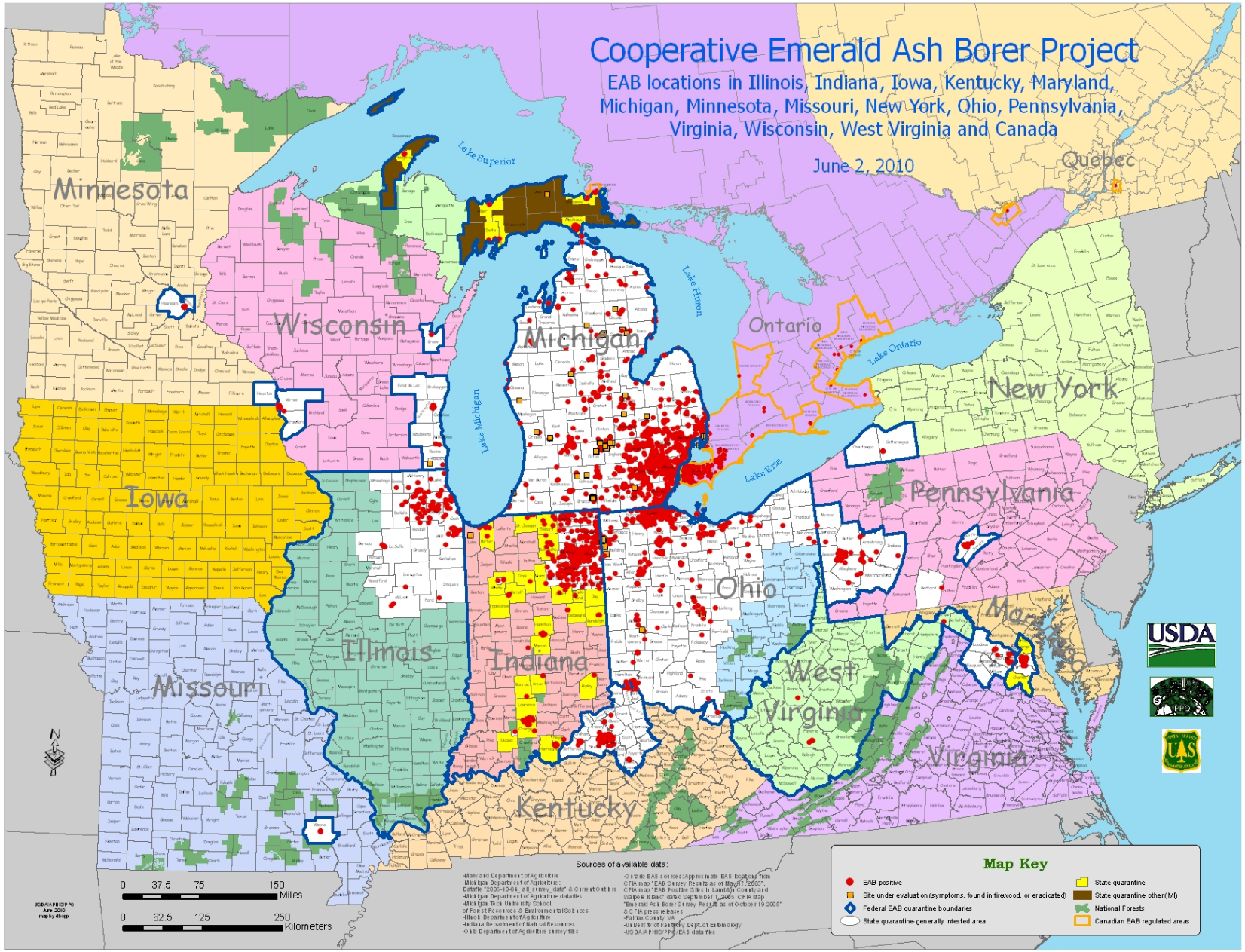
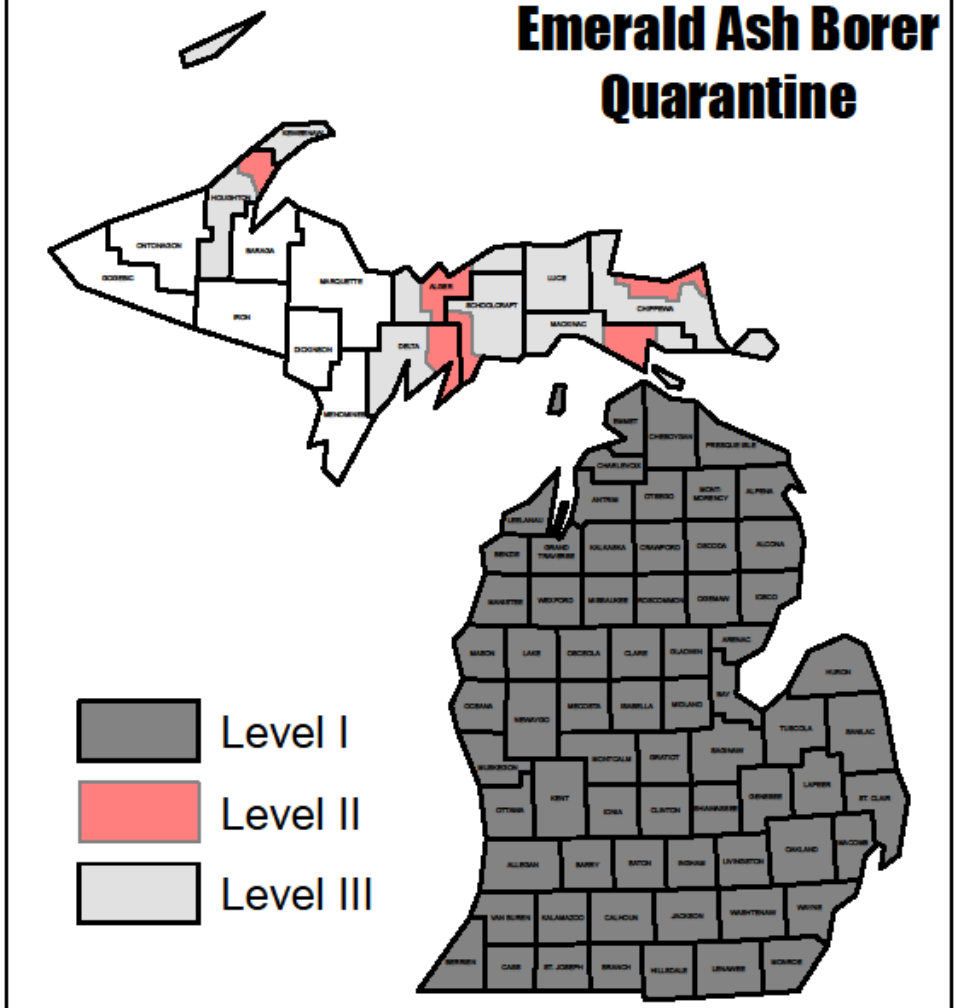

Cooperative Emerald Ash Borer Project
EAB locations in Illinois, Indiana, Iowa, Kentucky, Maryland, Michigan, Minnesota, Missouri, New York, Ohio, Pennsylvania, Virginia, Wisconsin, West Virginia and Canada
June 2, 2010
Minnesota
Wisconsin
Michigan
Iowa
Illinois
Indiana
Missouri
Ohio
Kentucky
West Virginia
Virginia
Pennsylvania
New York
Ontario
Quebec
Lake Superior
Lake Michigan
Lake Huron
Lake Erie
Lake Ontario
N
0 37.5 75 150 Miles
0 62.5 125 250 Kilometers
Sources of available data:
Map Key
EAB positive
Site under evaluation (symptoms, found in firewood, or eradicated)
Federal EAB quarantine boundaries
State quarantine-generally infested area
State quarantine
State quarantine-other (MI)
National Forests
Canadian EAB regulated areas
USDA

Michigan Department of AGRICULTURE

Emerald Ash Borer Quarantine



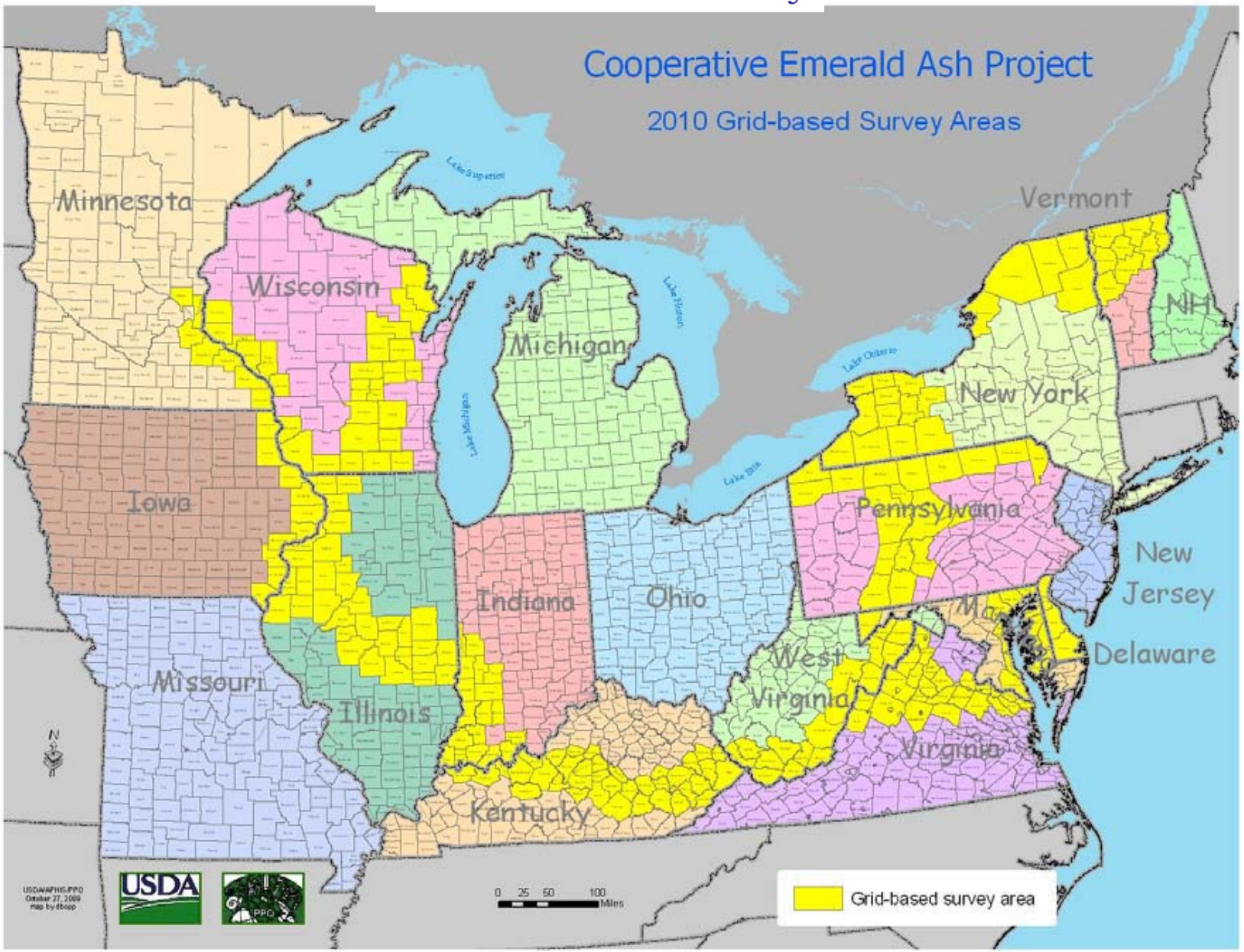
Toll Free EAB Hotline
(866) 325-0023
www.michigan.gov/mda

What's At Stake ?

Native Range of Ash

- Area of Continental U.S.: 6,930,196 km2
- Area of native range of ash: 4,172,364 km2 (~60% of Continental U.S)
- Area of Federal EAB quarantine: 604,882 km2 (~14% of native ash range)
- Area of infested counties: 279,856 km2

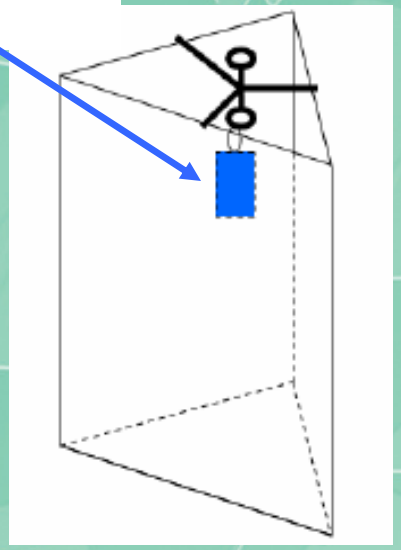
2010 – National Survey



A.P.H.I.S Purple Panel Trap

Hung in Ash Trees

Manuka/Phoebe Oil Lure Hangs Inside Trap



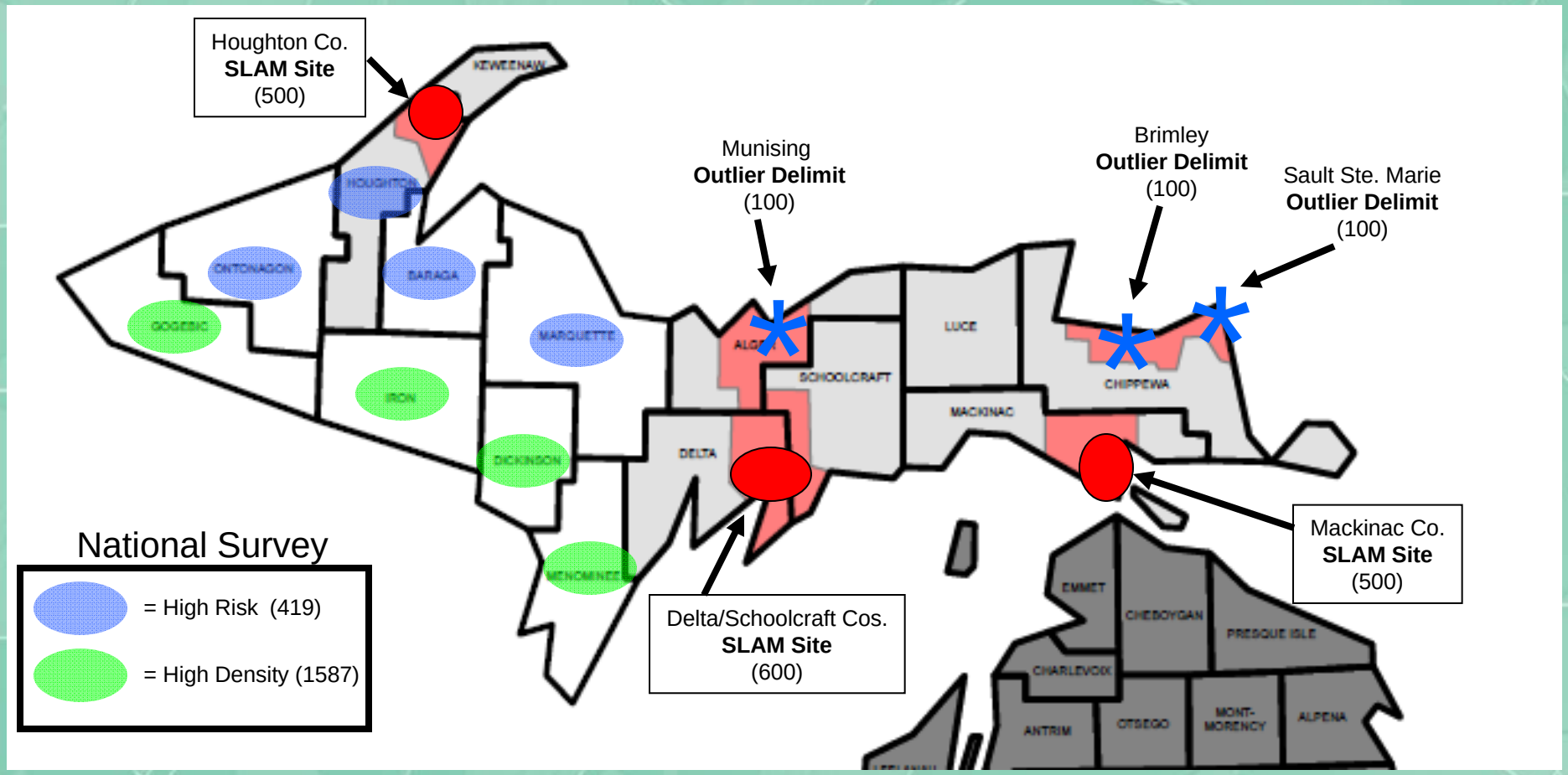
Three 14” x 24” Sticky Panels

- Established Early June
- Inspected Mid August – Mid September

DO NOT DISTURB

Emerald Ash Borer Detection Tree
Michigan Department of Agriculture
For more information visit
www.michigan.gov/mda
or call the toll-free EAB hotline
1-866-325-0023.

2010 - Upper Peninsula Emerald Ash Borer Trapping
(3906)



SLAM

EMERALD ASH BORER
SLOW ASH MORTALITY
PILOT PROJECT

Defn.: **SL.A.M.**
SLowing **A**sh **M**ortality

- A multi-agency, multi-year, multi-faceted effort to slow the rate which ash trees succumb to the emerald ash borer

- Use of an integrated approach that combines multiple management strategies to achieve the goal

- National Significance:
- The outcomes of the pilot project in Mackinaw Co. will be evaluated for possible implementation in other areas

Objectives

- Limit the expansion (size) of the core areas
- Prevent satellite populations from expanding and becoming core populations
- Protect high value trees where possible
- Outside of the core areas, focus on host reduction which should limit future EAB population buildup due to reduced food availability.
- Reduce EAB population growth in the core areas

SL.A.M. Components

- EAB Density and Distribution Survey
- EAB Population and Dispersal Manipulation
  - ✓ Sinks and Treated Trees
  - ✓ Host Reduction
  - ✓ Regulatory Compliance
  - ✓ Biological Control
  - ✓ Outreach
- Ash Abundance and Distribution Survey
- Data Collection and Management
- Project Evaluation

SL.A.M. Pilot Project Partners

- *Michigan Department of Agriculture*
- *Michigan Department of Natural Resources*
- *USDA - Forest Service*
  - Northeast Area Forest Health Protection
  - Northern Research Station
  - Hiawatha National Forest
- *Michigan State University*
- *Michigan Technological University*
- *Chippewa/East Mackinac Conservation District*
- *Delta Conservation District*
- *USDA - Animal and Plant Health Inspection Service*

Thank You

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