

Emerald Ash Borer

*A brief look at
Past and Present
Response Activities*

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- EAB, a non-native exotic pest was discovered in SE Michigan in 2002.
 - Emerald Ash Borer Task Force was quickly established consisting of MDA, MDNR, MSU, USDA-APHIS, USDA Forest Service, in cooperation with local units of government, various industry groups, associations and universities.

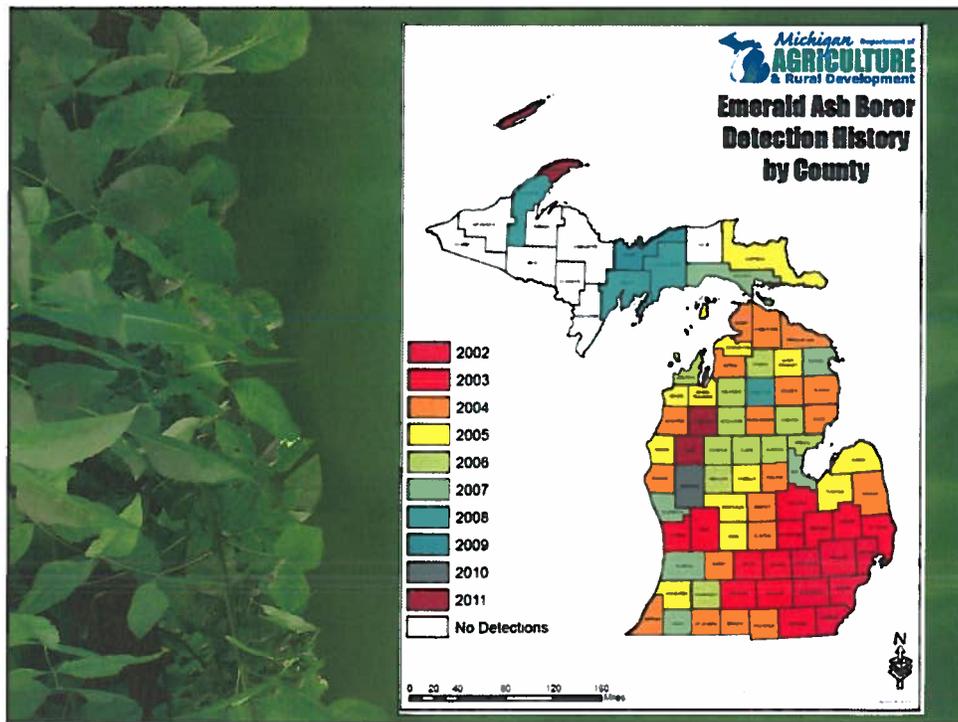
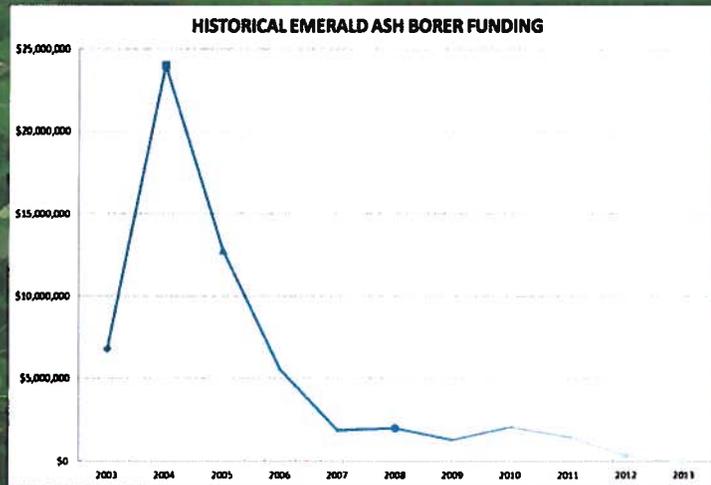
- Initial delimiting surveys conducted.
- 6 counties infested (Wayne, Oakland, Macomb, Monroe, Washtenaw, Livingston)
- To control and prevent further spread, a state quarantine was established.
 - prohibited transport of ash trees and ash material, including firewood, unless chipped to one-inch diameter or less.
- Federal Quarantine was also enacted (Oct. 2003).



Multi-agency
Management Strategy

1. Keep EAB contained.
2. Conduct surveys to determine the geographic range of EAB.
3. Educate the public
4. Regulatory efforts
5. Detect and respond to outlier infestations
6. Request emergency funds

- An emergency request for funds was submitted to USDA to manage this pest.





**Responding to new outlier infestations
due to artificial movement**

The Process -

- Delimit and survey area, inventory and mark trees, notify property owners, remove trees and monitor remediated site

Outlier discoveries typically resulted in Quarantine updates.



2002 – 2007

Response efforts were focused on the following areas and included many different activities:

- Survey & detection
- Communication and outreach
- Regulatory activity
- Responding to outliers
- Sanitation and disposal
- Restoration
- Tree removal
- Research and Control



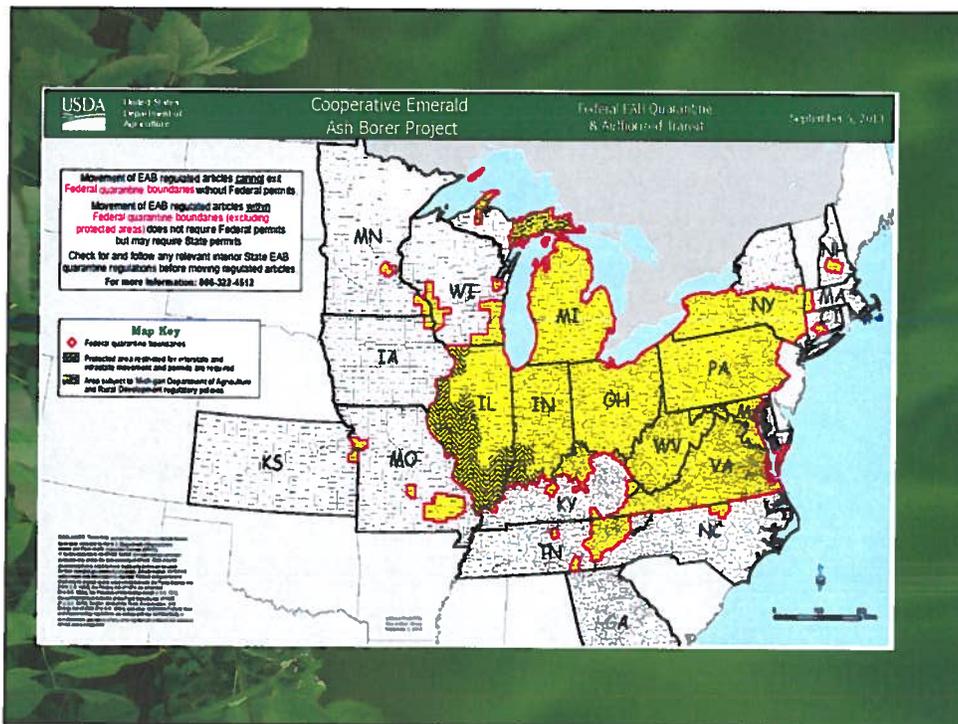
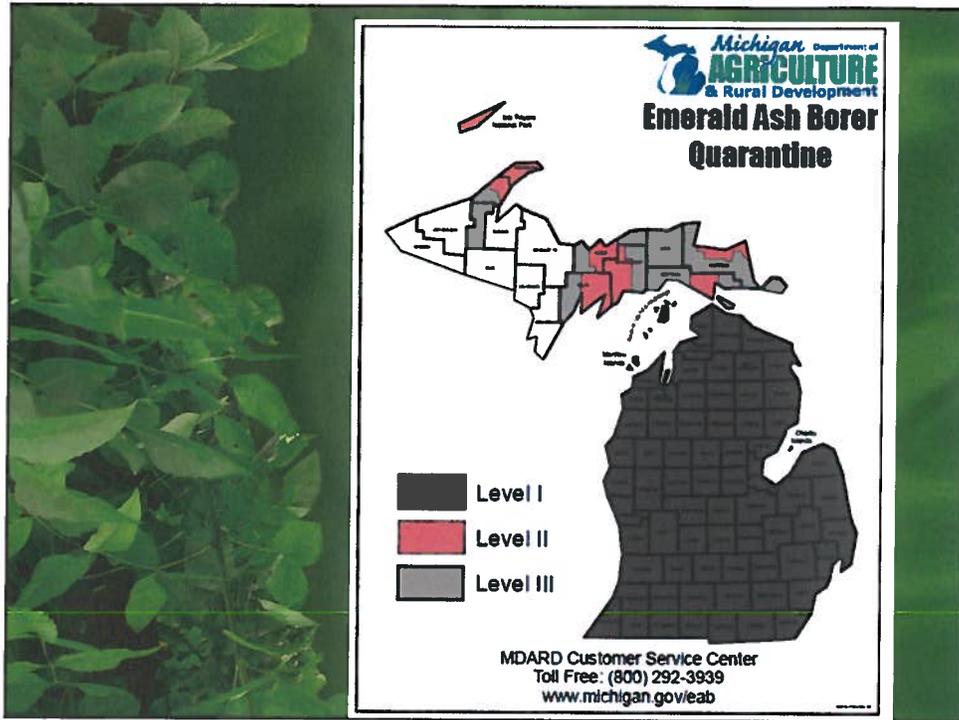
2008 - 2009

- By 2008, approximately 35 million ash trees were killed due to EAB.
- National survey efforts Slow Ash Mortality (SLAM) project implemented in Mackinac County.
 - Designed to suppress EAB population growth and delay the onset and progression of widespread ash mortality.
- Biological Control.



2010 -2012

- EAB has spread to 75 counties, including 7 in the Upper Peninsula
- EAB has been found in 22 states and Ontario and Quebec, Canada
- National survey efforts continue
- Recovery & Establishment study – biological control





The Michigan EAB Quarantine allows for any person engaged in the handling or intrastate movement of regulated articles to enter into a compliance agreement if such person agrees to comply with the EAB Quarantine requirements and regulations.

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- MDARD currently maintains approximately 125 compliance agreements with receivers, brokers and shippers. A majority of these entities are in the Upper Peninsula (U.P.) or otherwise involved with the intrastate movement of regulated materials into or within the U.P.
 - MDARD conducts compliance inspections with EAB compliance agreement holders.
 - MDARD staff write phytosanitary certificates for ash lumber being shipped internationally.



Early detection is critical to the successful implementation of regulatory, control, and/or eradication measures that can protect the state's agriculture, forestry and natural resources.

It is critical that high-risk pathways continue to be identified and surveyed using the latest detection methods.

We need to be proactive.

Appropriate state resources are critical.

