

# Emerald Ash Borer in Michigan Campgrounds



## Firewood Forum

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# Presentation Overview

- Preparing for emerald ash borer
- Managing emerald ash borer
- Restoring tree cover



# Michigan State Parks

- 84 State Parks
- 13 State Parks in the contiguous quarantine
- 9 State Parks with 'outlier' infestations



# Preparation

- Regulations:  
Land Use Order  
of the director
- Prohibits the  
movement of ash  
onto MDNR  
managed lands

Michigan Department of Natural Resources



**LAND USE ORDER OF THE**  
**DIRECTOR**

Amendment No. 1 of 2005



# Preparation

- Detection and monitoring
- Trap trees in State Parks



# Preparation



- Ash inventory
- 17,500 ash in Michigan State Parks developed areas



# Preparation

- Firewood ID training
- Staff from all state parks trained to ID ash firewood
- 13,000 firewood inspections in 2005

## How To Identify Ash Firewood

1. Look at the end of a log to see a cross section wood.
2. If necessary for a clear view of the growth rings, carefully use a sharp knife to create a clean edge on the cross section.
3. Use a hand lens to look at the pores in the growth rings.
4. To identify ash, look for two to four rows of large pores within earlywood. Earlywood is distinct from latewood and no rays are present. Compare photos on front of card.



Cross section,  
growth rings visible

For the latest information, visit:  
[www.emeraldashborer.info](http://www.emeraldashborer.info)



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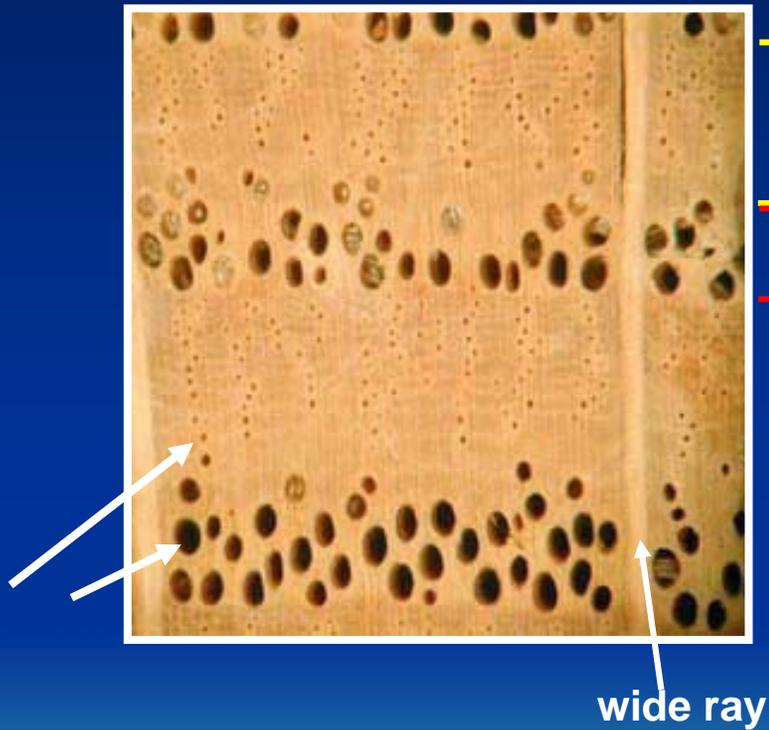
Michigan Department  
of Natural Resources

June 2005

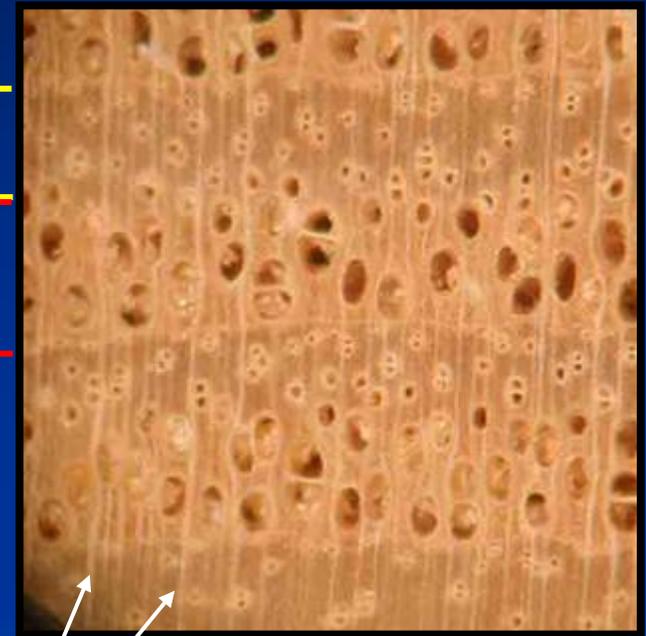
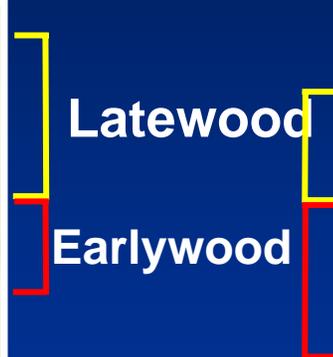
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**Oak** and **ash** are both ring-porous hardwoods, with different latewood vessel patterns and differing ray widths.



**Red oak**



**White ash**



# Managing Infestation



- Finding the infestation
- Determine course of action
  - Eradication site
  - Part of an existing quarantine



# Managing Infestation

- Hazard tree evaluations
- Education and outreach









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# Restoring Tree Cover



- Tree planting grants
- Transplanting natives
- “Prison Grow” program
- Diversity



# Special Thanks to:

- George Cameron, MDNR
- Eric Cowing, South Higgins State Park
- Jason Fleming, MDNR
- Kerry Gray, MDNR
- Burr Mitchell, Brimley State Park



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