



Emerald ash borer in Oregon

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Emerald Ash Borer (*Agrilus planipennis*)



- First detected in U.S., 2002
- 100+ million trees killed in 30 states since 1990s
- Over 95% mortality in some areas
- Several ash species at risk
- Highest cost forest pest in history of U.S.

Emerald Ash Borer (*Agrilus planipennis*)



- Invasive and highly destructive woodboring beetle that kills ash trees (*Fraxinus* spp.).



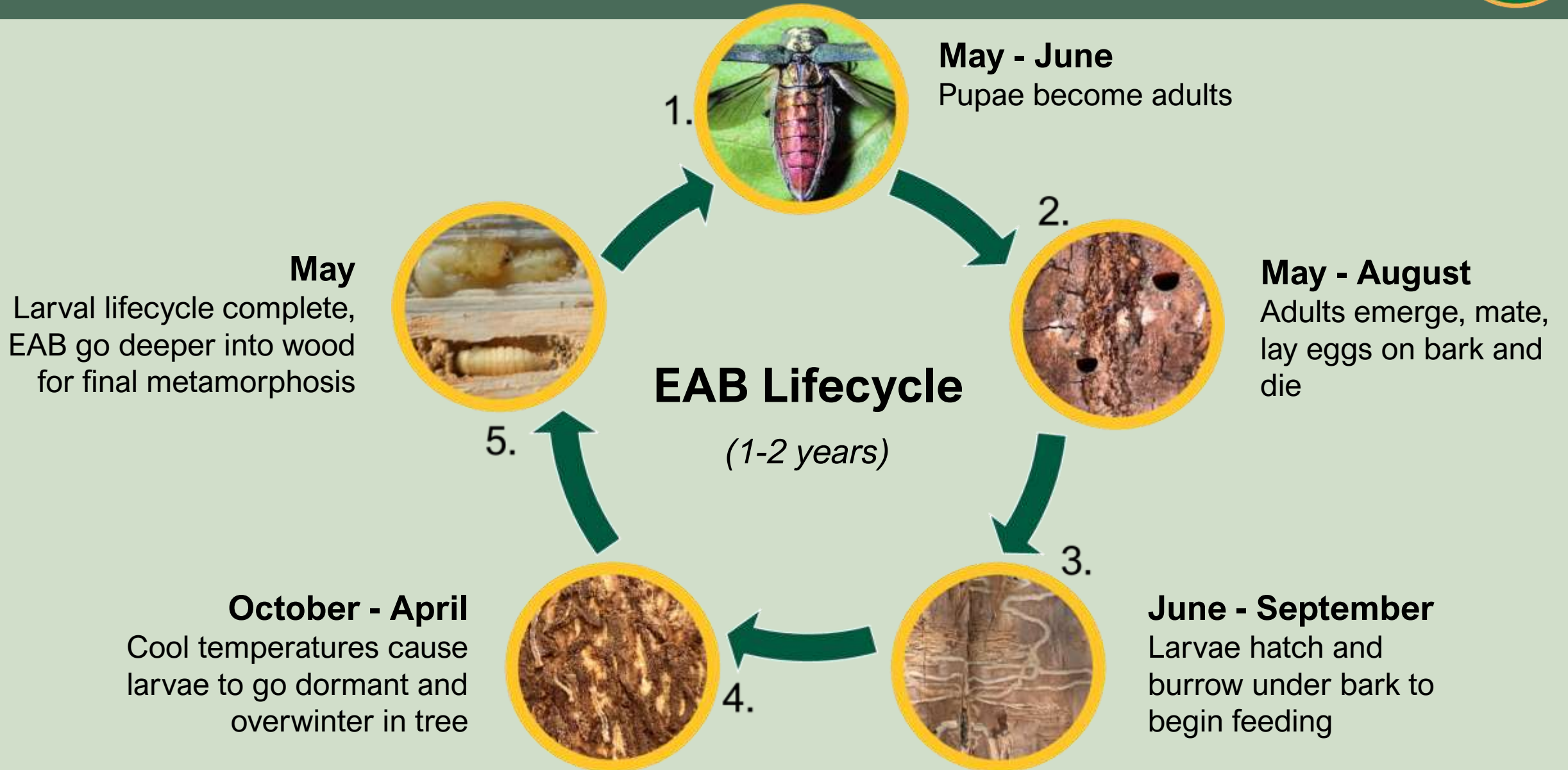
Emerald Ash Borer (*Agrilus planipennis*)



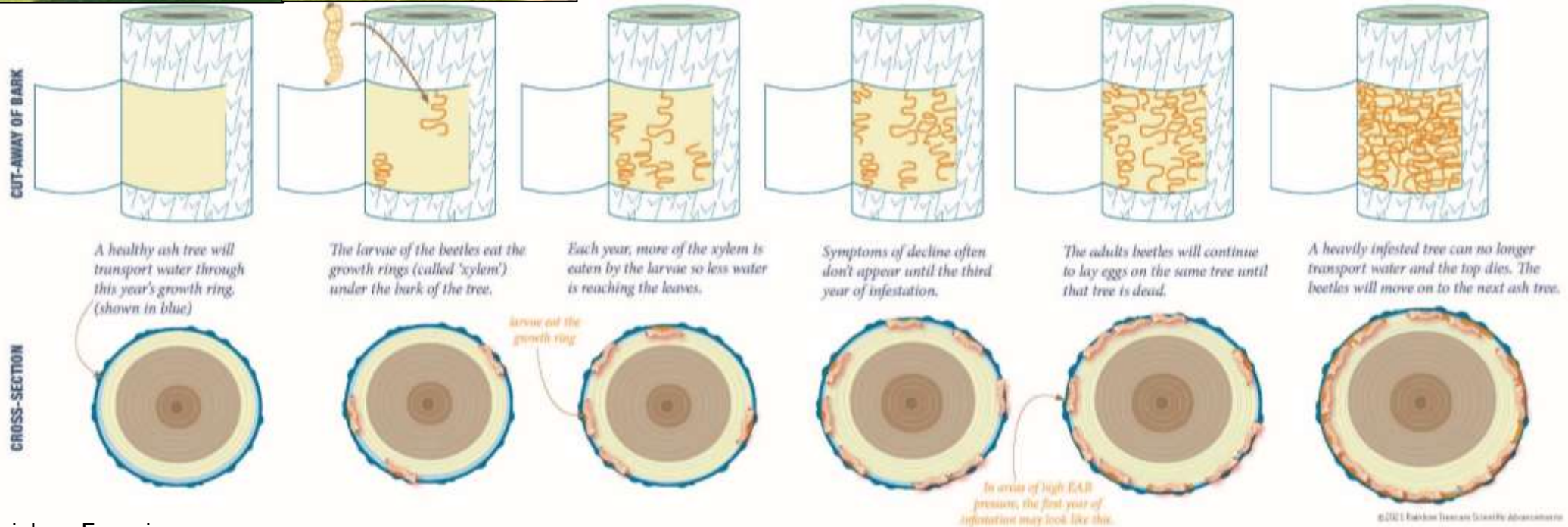
- Invasive and highly destructive woodboring beetle that kills ash trees (*Fraxinus* spp.).
- **Larvae feed beneath bark, eventually girdling and killing the tree.**



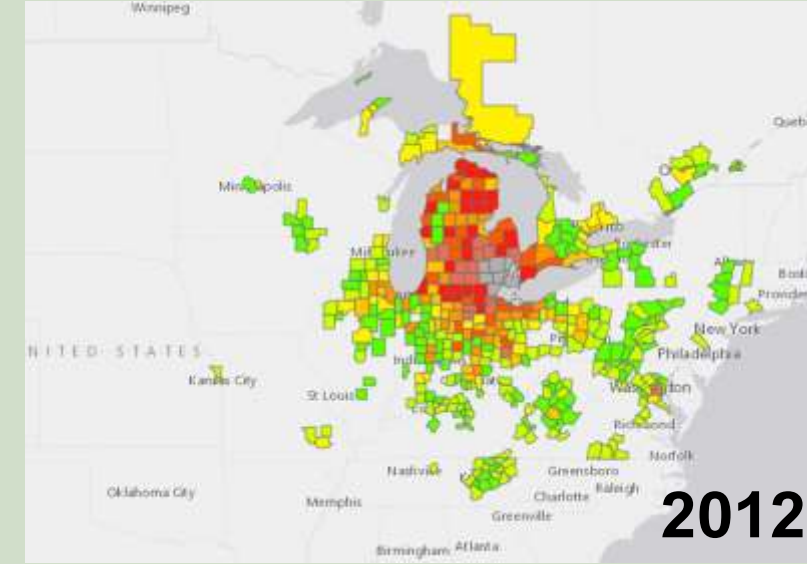
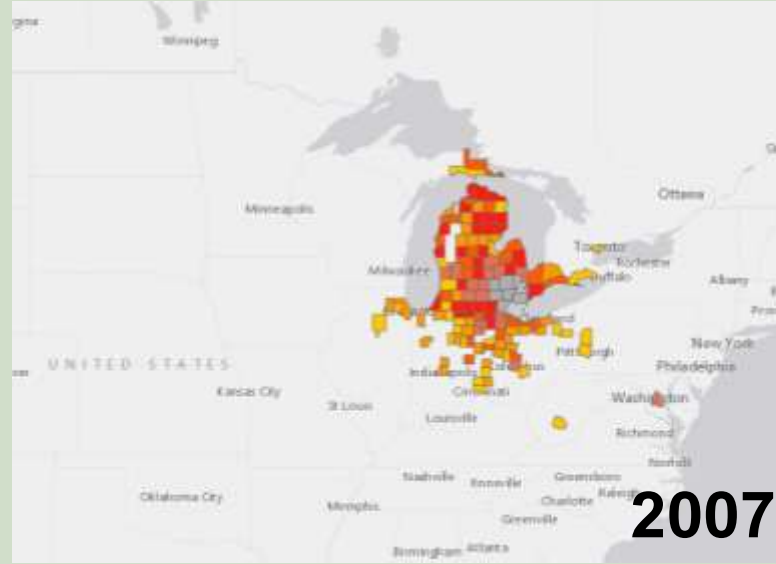
EAB: Lifecycle



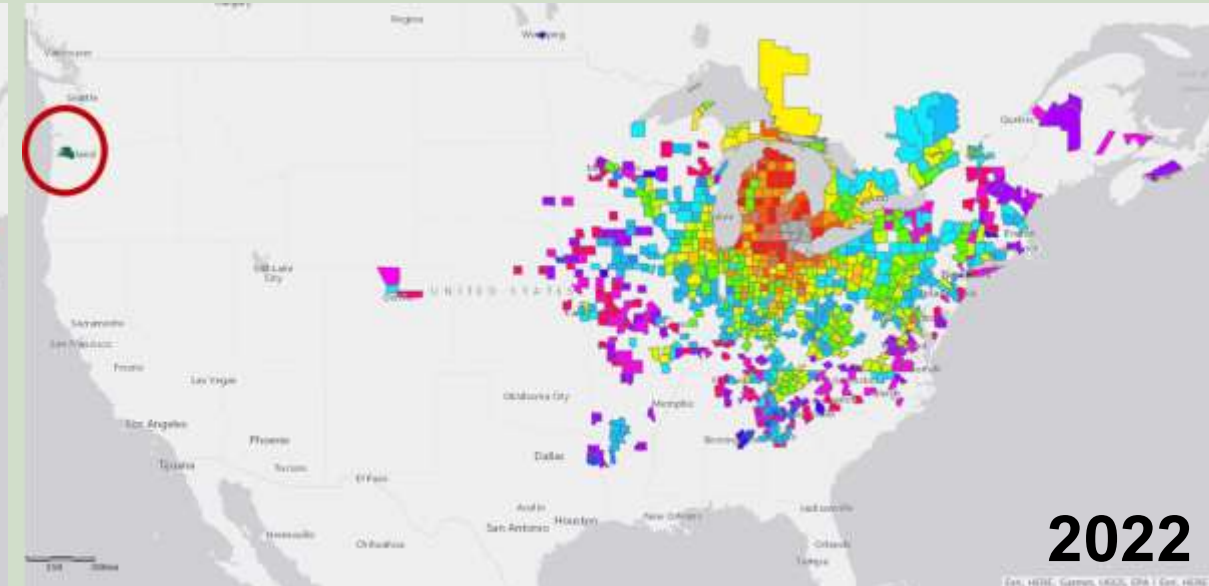
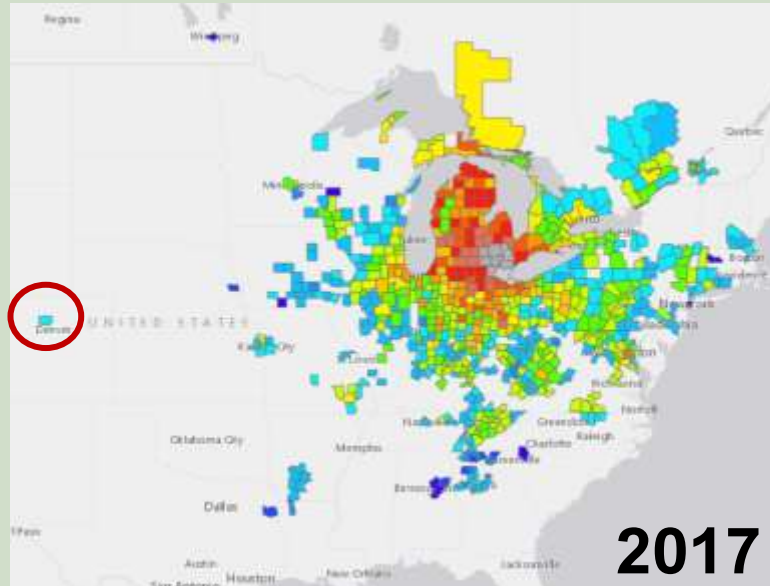
Infestation Timeline – Tree Scale



EAB: History in the US



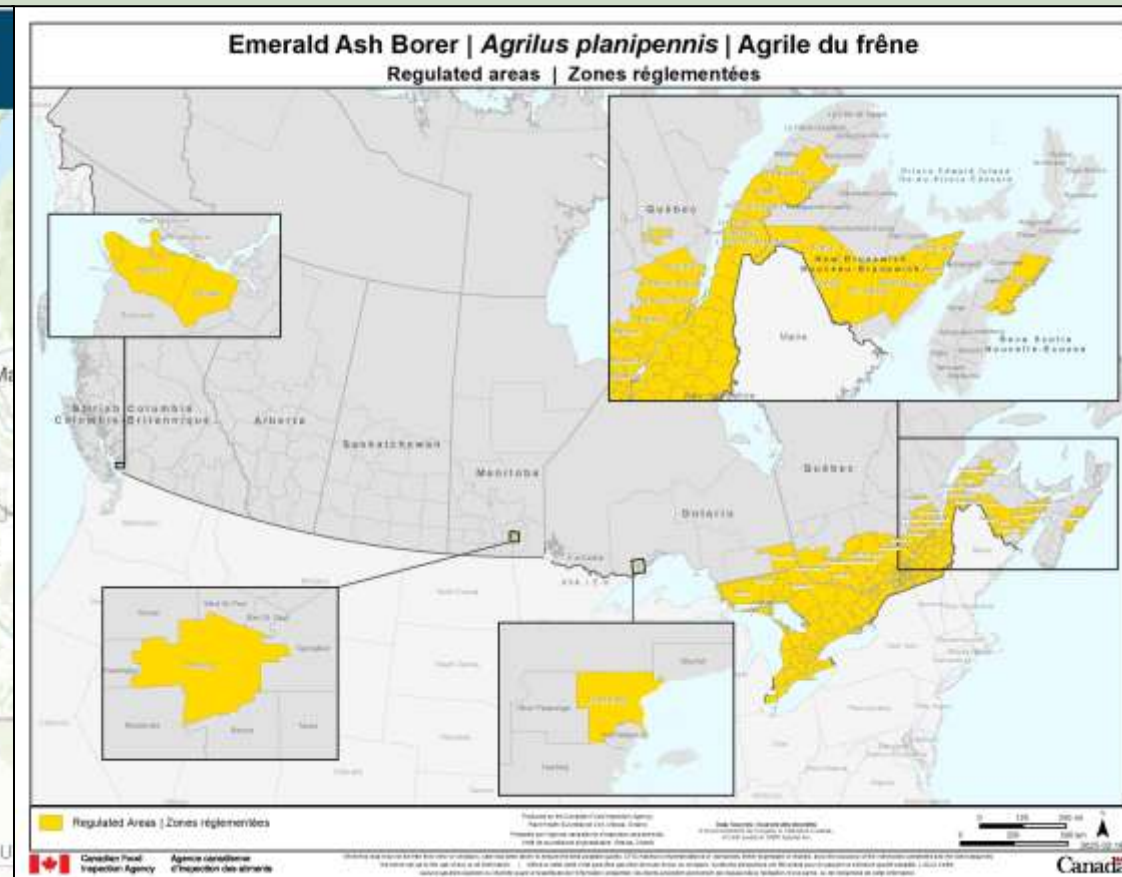
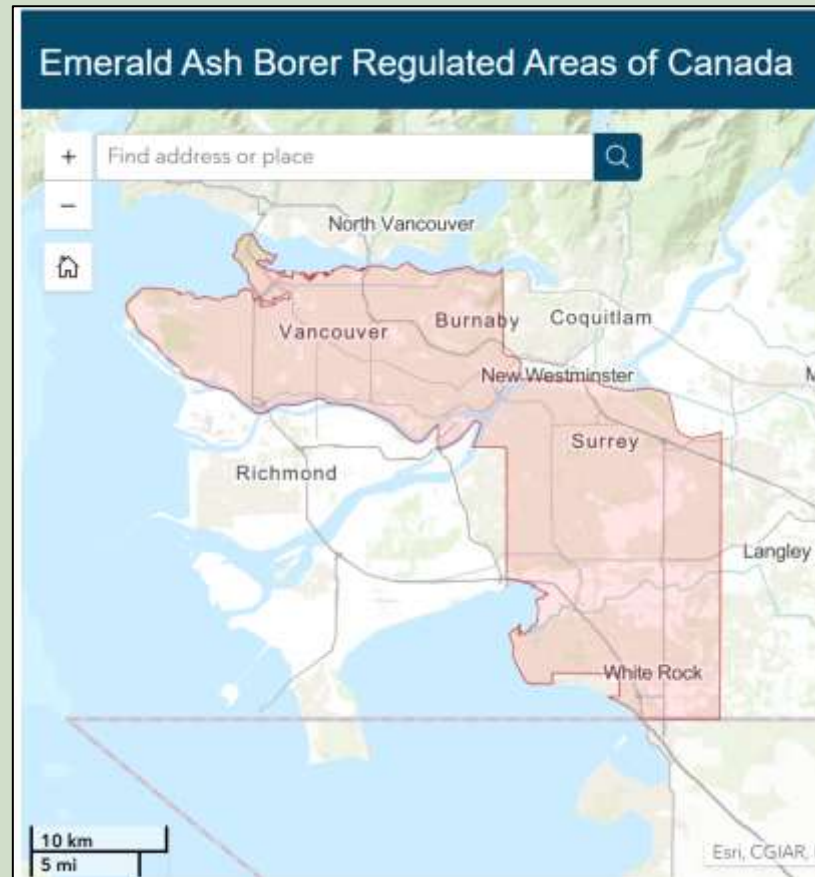
- Found in Michigan in 2002, now in 37 states and 6 provinces.
- Detected in Forest Grove, Oregon in June 2022.



EAB detections in Canada

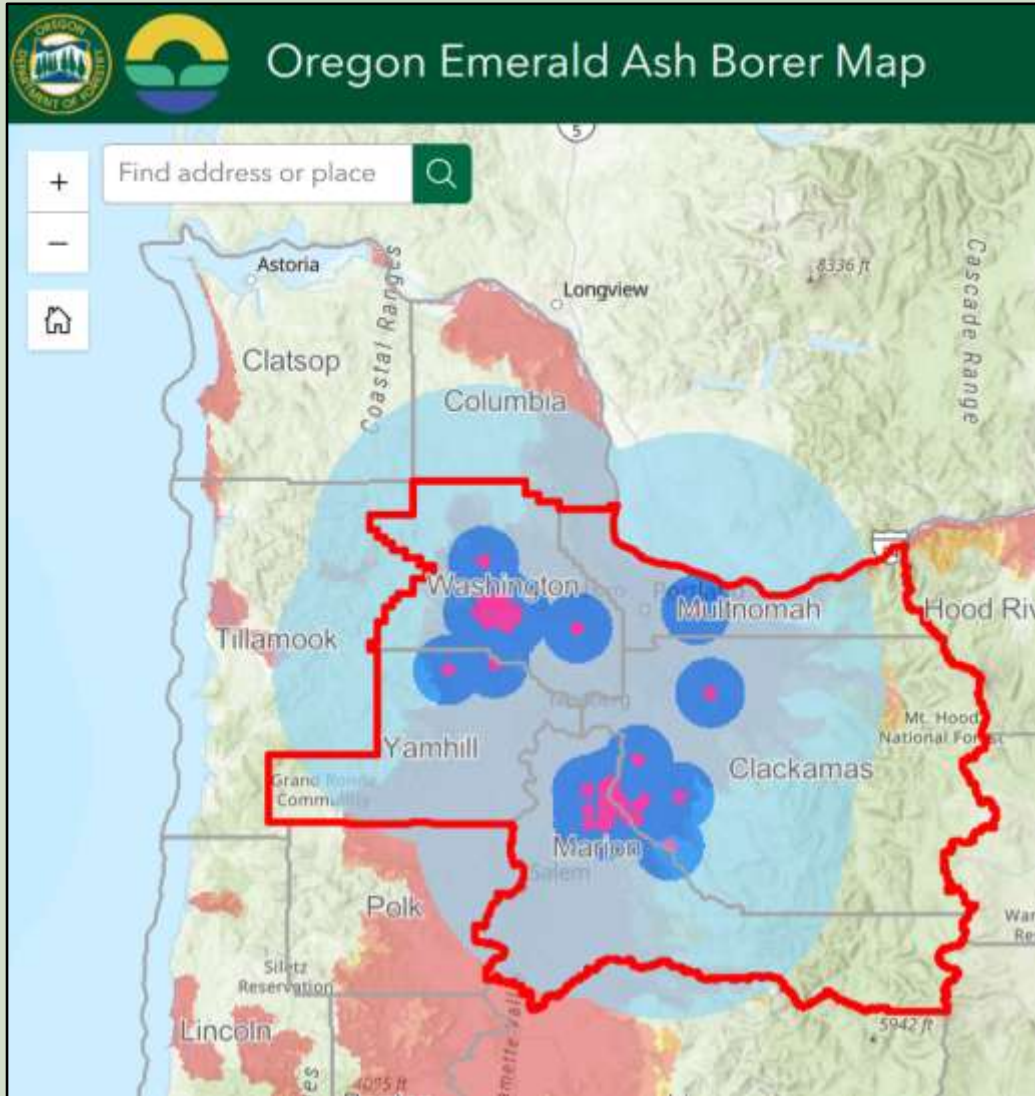


- 2002: Ontario
- 2008: Quebec
- 2017: Winnipeg, Manitoba
- 2018: New-Brunswick and Halifax, Nova-Scotia
- 2024: Vancouver, British-Colombia



[Regulated areas and items: Emerald ash borer - inspection.canada.ca](https://inspection.canada.ca)

EAB in Oregon



<https://www.oregonEAB.com>

Forest Grove: June 2022

Butte Creek: July 2024

Portland: Aug 2025

Five counties under quarantine

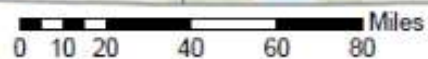
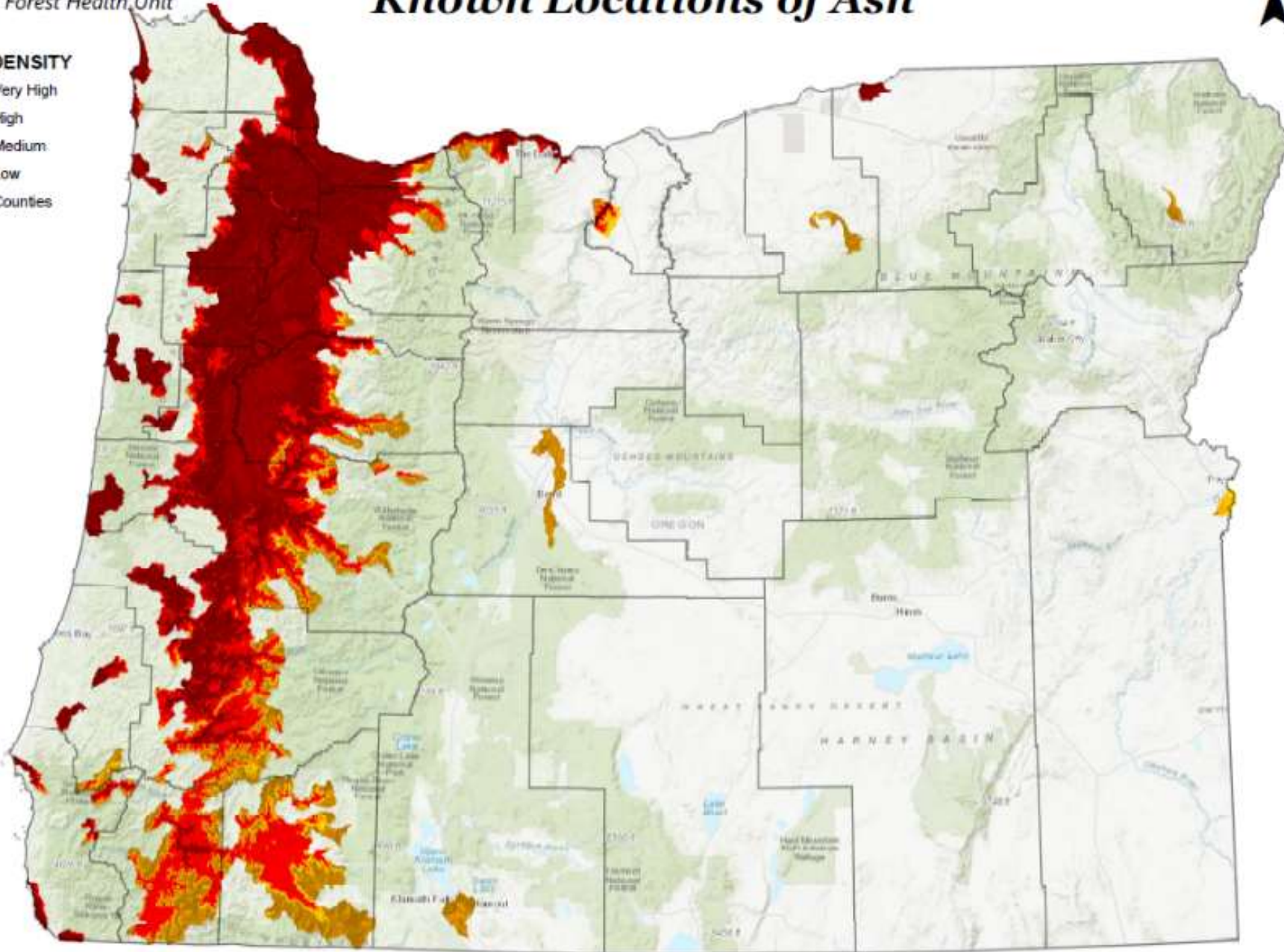




Known Locations of Ash



ASH DENSITY



Date: May 2018

Oregon has one
native species of ash:

Oregon ash
Fraxinus latifolia

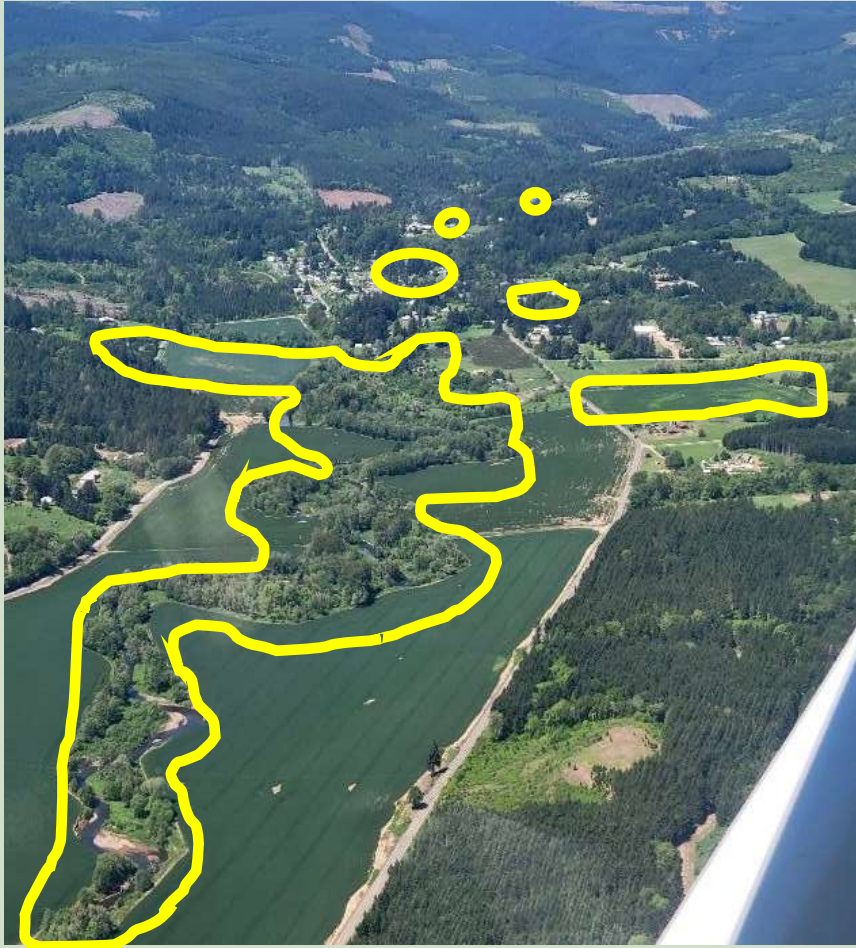
Oregon ash (*Fraxinus latifolia*)



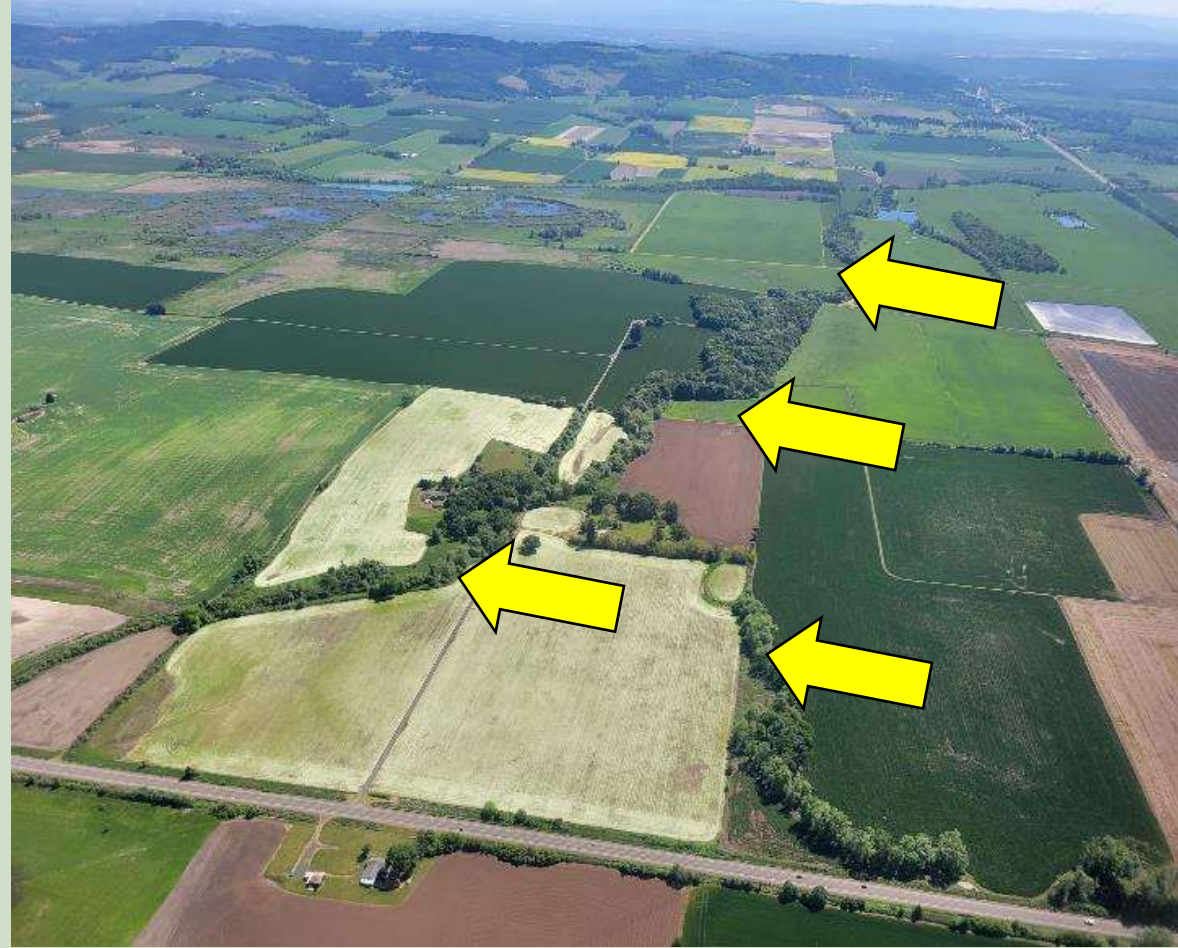
- *Oregon's only native ash tree*
- Important riparian tree
- Shading, bank stabilization
- Habitat for T&E species
- Cultural resource



Dominant in Willamette Valley riparian areas



Gales Creek, W of Forest Grove



Oregon ash riparian corridors

Ash wetland forests

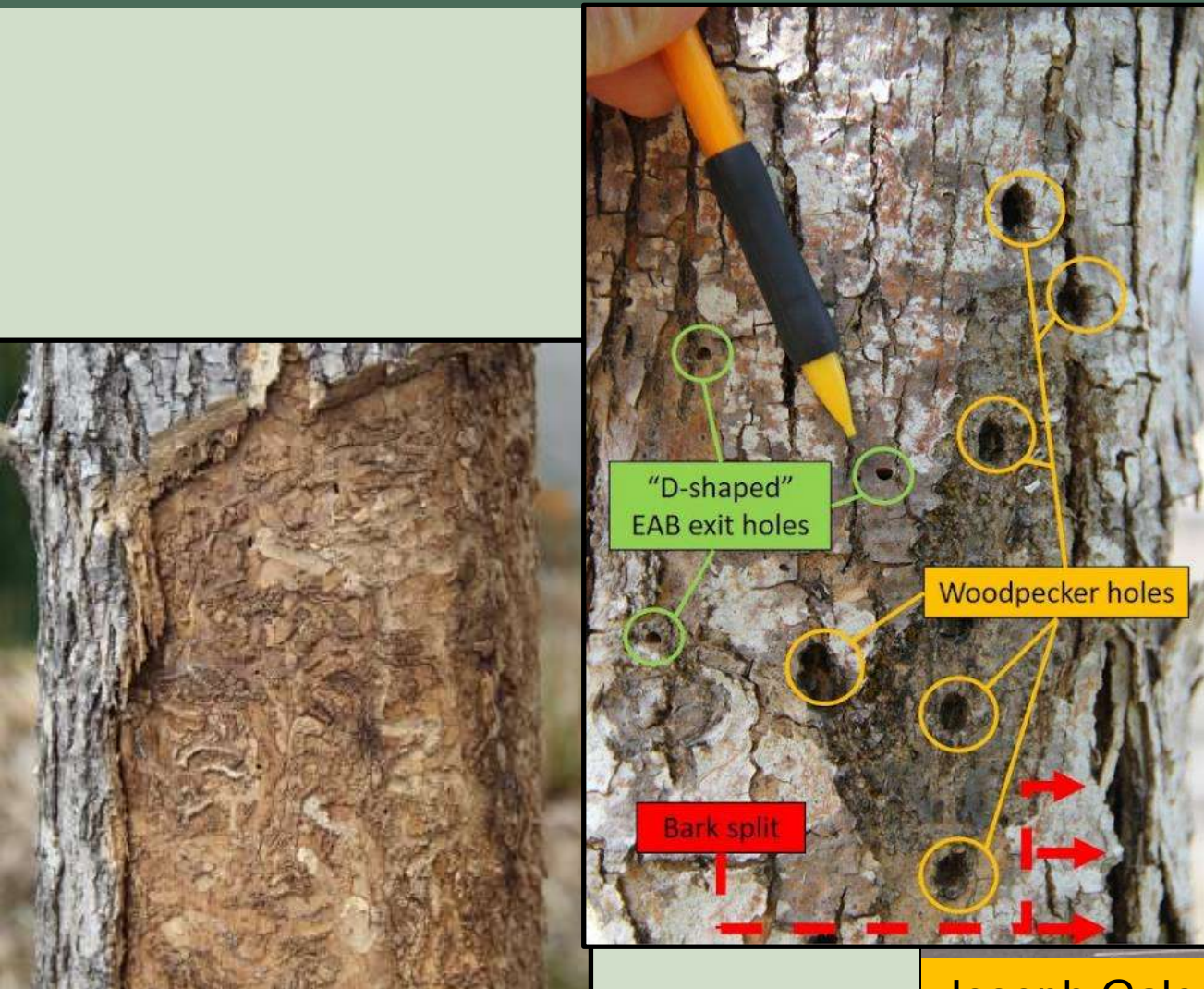


Ankeny National Wildlife Refuge



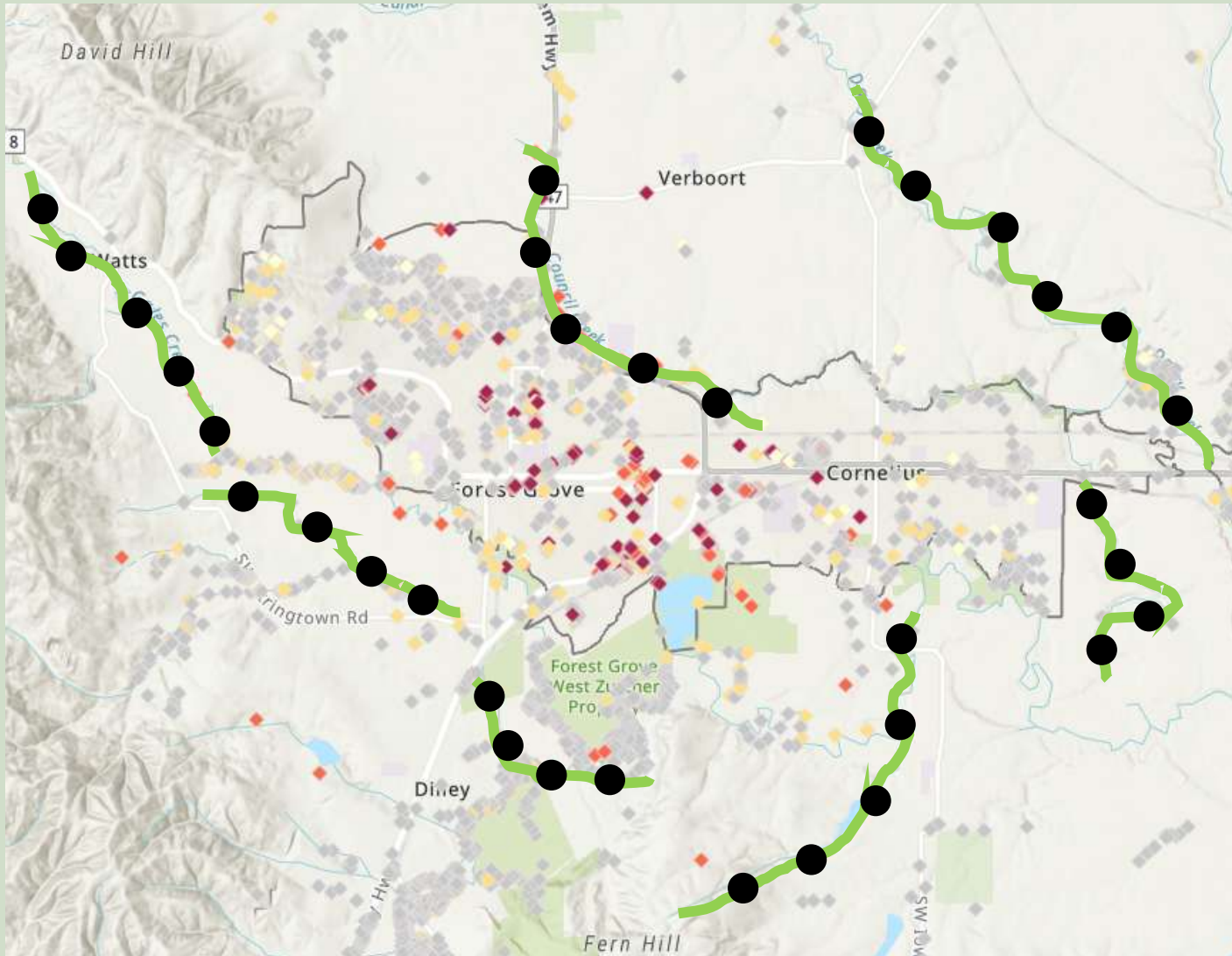
Confederated Tribes of the Grand Ronde

EAB Forest Grove – June 30, 2022



Joseph Gale Elementary School
Forest Grove, OR

2023 – 2024 *Slowing ash mortality* – funded from Infrastructure bill



- Set up perimeter
- Intentionally girdle trees
- Attract EAB to trees
- Fall and destroy trees

= very effective

= very labor intensive

= requires stable government funding

= requires significant coordination

Slowing ash mortality



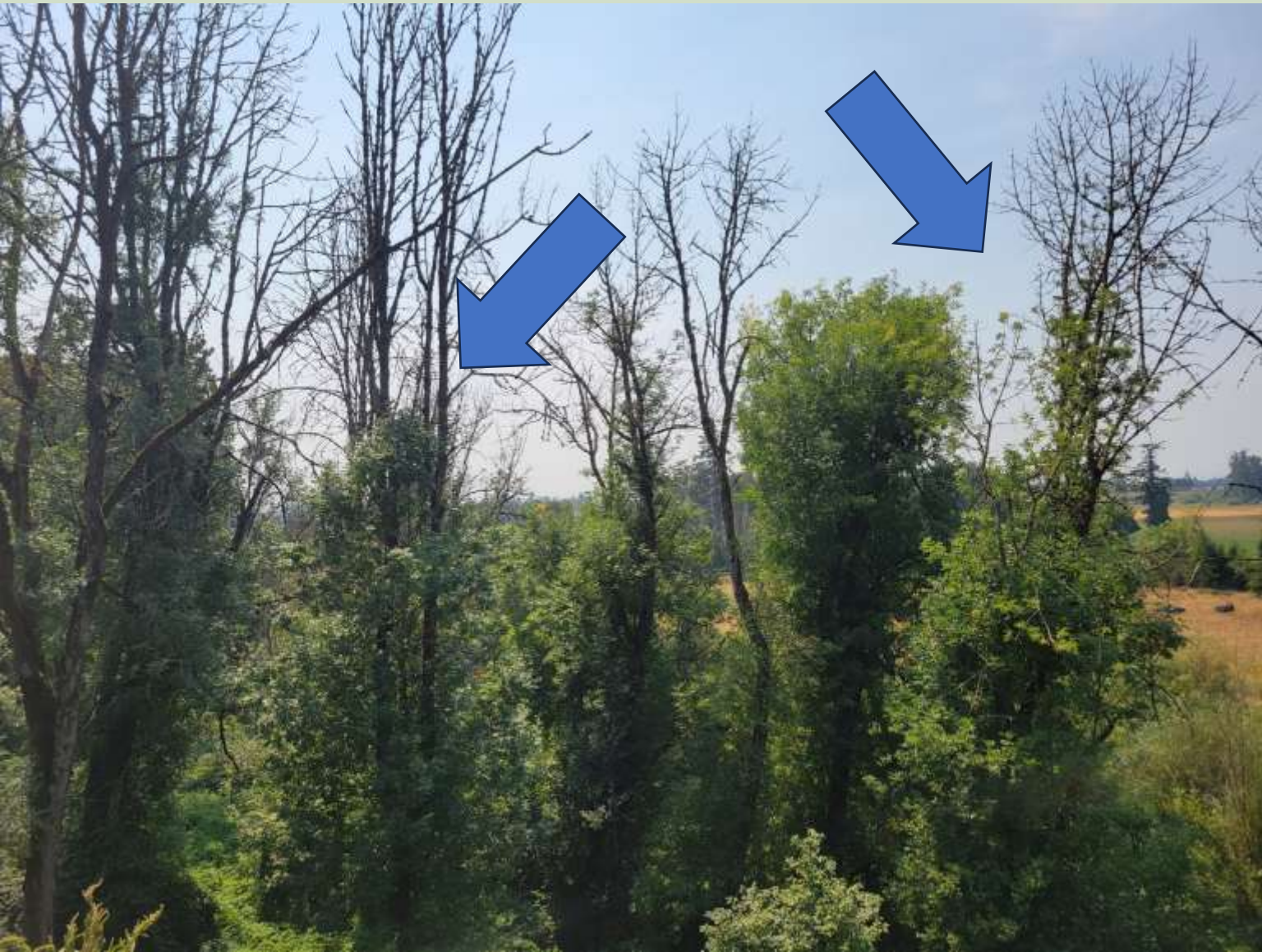


Forest
Grove, OR
April 2024

Butte Creek 2024



Butte Creek (Clackamas & Marion Co.)



2025 Cooperative Trap Survey

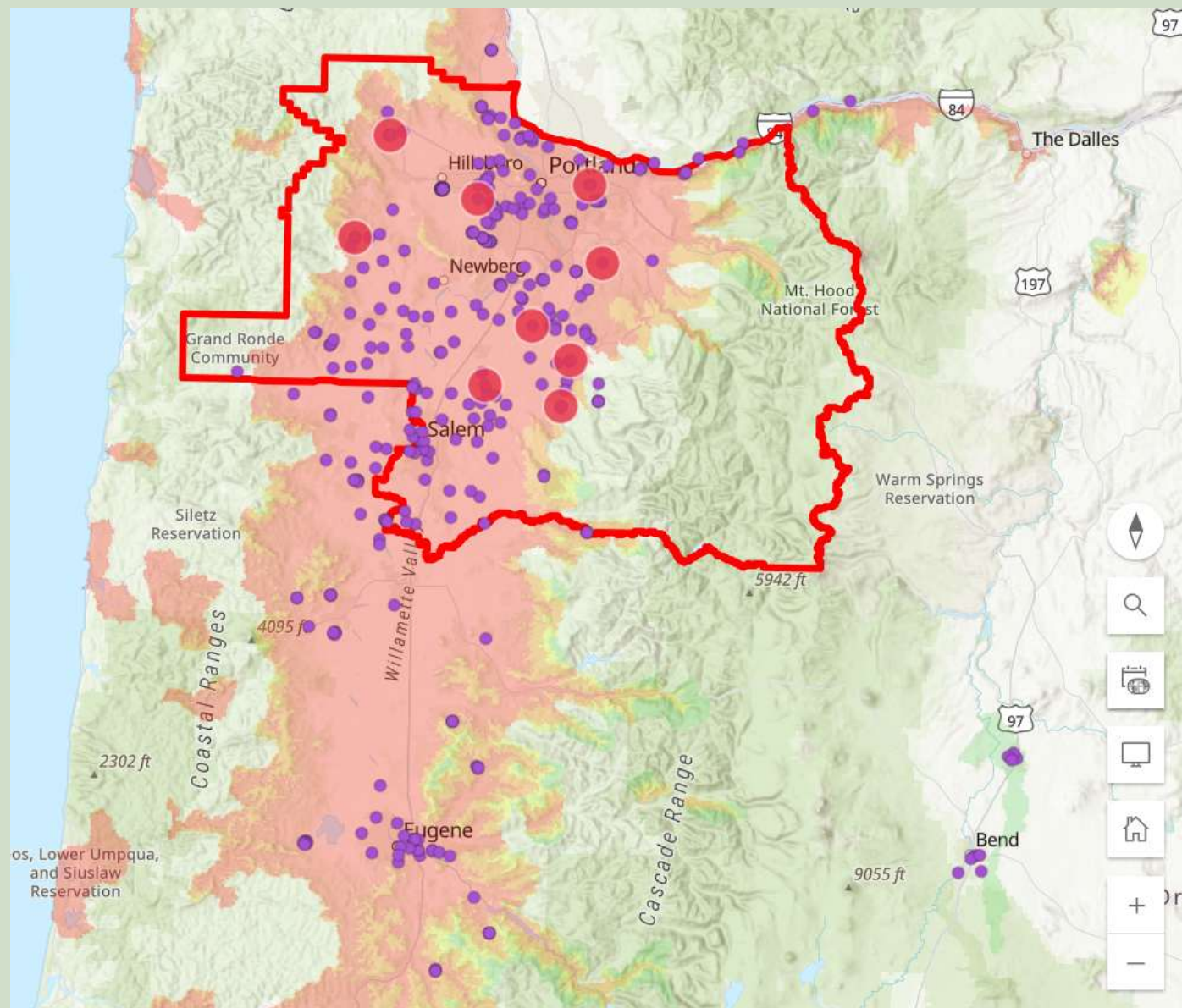


23 cooperating agencies
335 traps

9 positives



[2025 EAB Trap WebMap \(PUBLIC\)](#)



2025 Cooperative Trap Survey

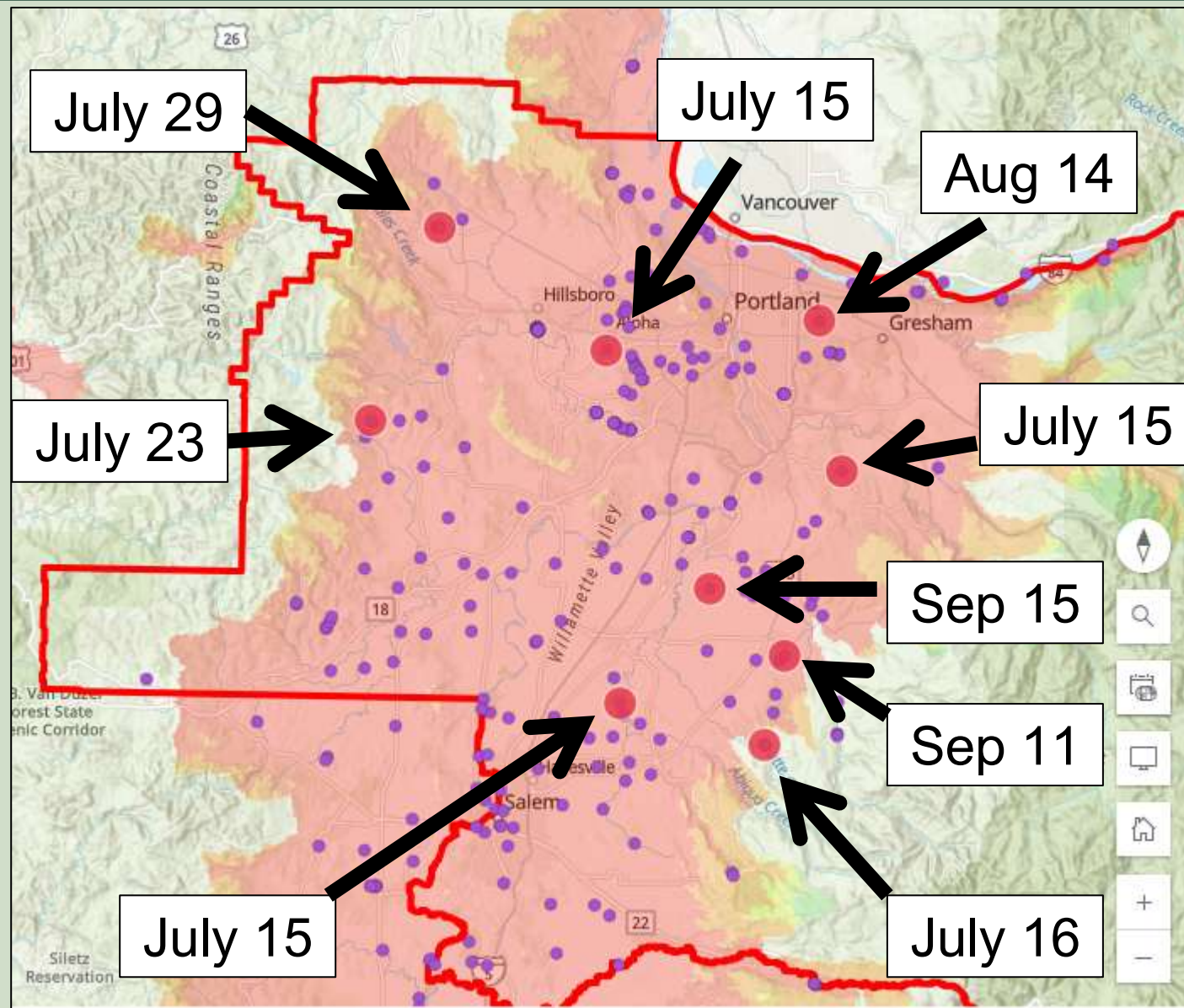


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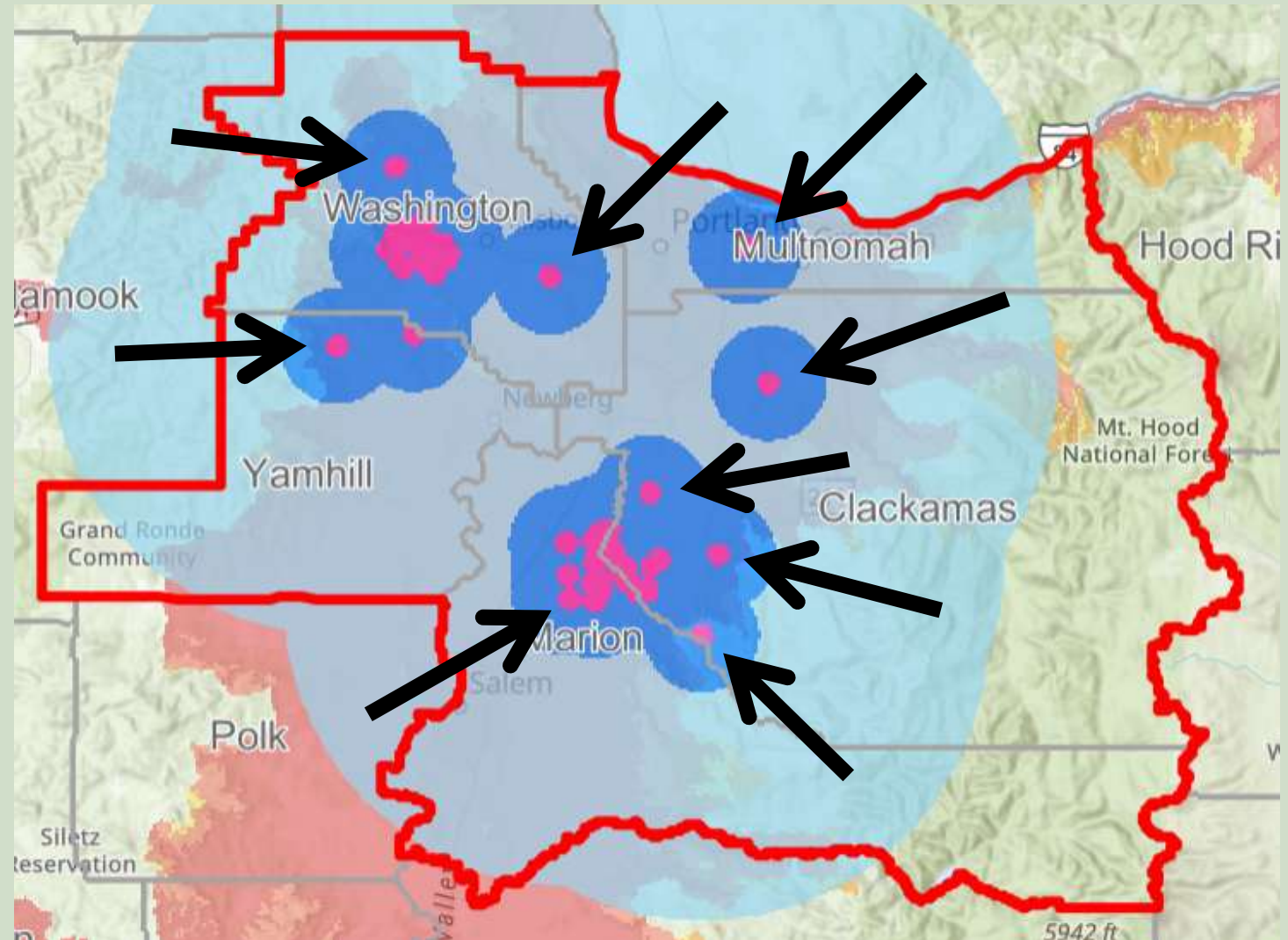
[2025 EAB Trap WebMap \(PUBLIC\)](#)



Range Expansion

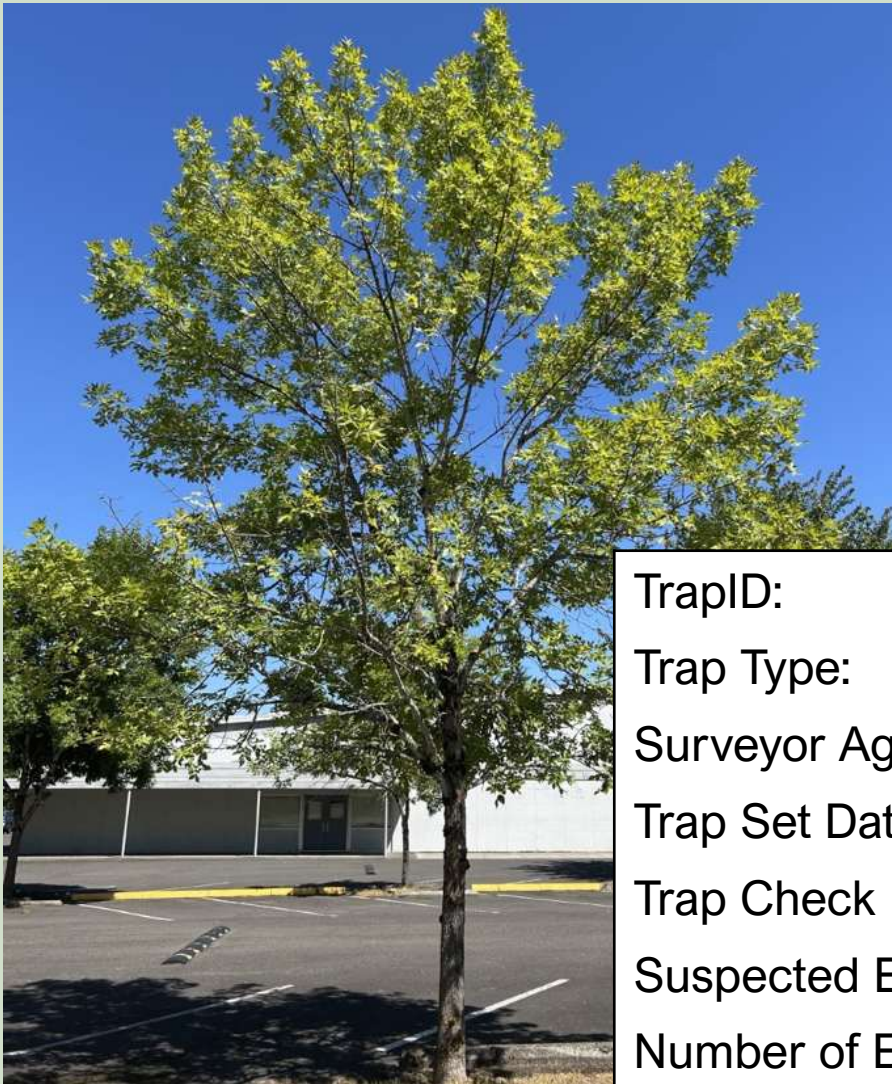


- All 9 EAB trap positives on EAB Web Experience
- Trapping efforts helped document range expansion in 2025

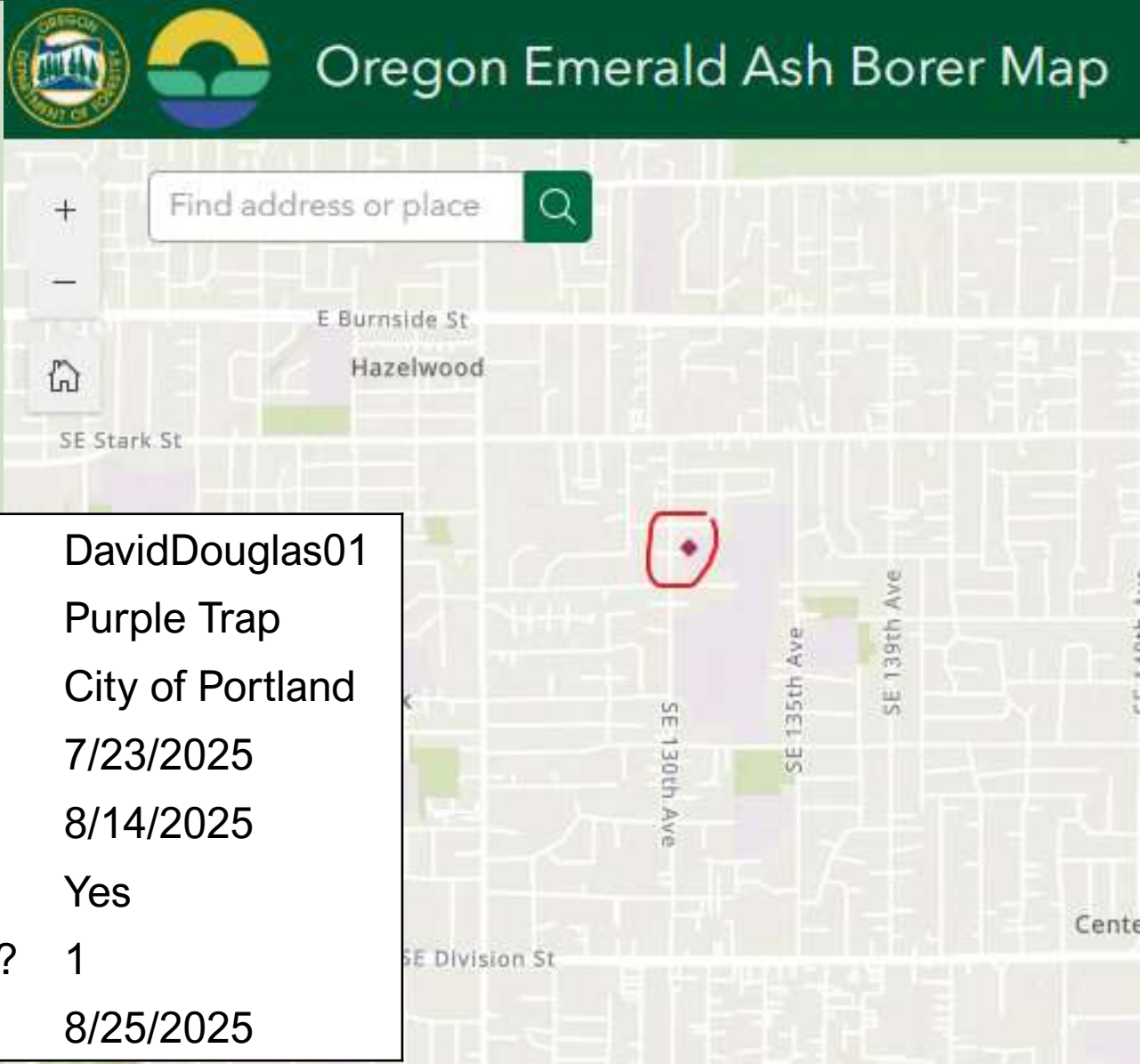


[Oregon EAB Map](#)

Aug 14, 2025 – First Detection in Portland



TrapID:	DavidDouglas01
Trap Type:	Purple Trap
Surveyor Agency:	City of Portland
Trap Set Date:	7/23/2025
Trap Check Date:	8/14/2025
Suspected EAB Detected?	Yes
Number of EAB Suspected?	1
Confirmed by USDA	8/25/2025



Media day, Sept 10, East Portland



THINK OUT LOUD

Invasive emerald ash borer spreads to Portland



By **Sheraz Sadiq** (DPB)
Sept. 11, 2025 6 a.m.

Broadcast: Thursday, Sep. 11

On Wednesday, the Oregon Department of Forestry announced that the emerald ash borer has now been found in the Hazelwood neighborhood in East Portland and five other new sites in the north Willamette Valley. In addition to Portland, the highly invasive and destructive beetle has now been found near other urban areas in the region, including Beaverton, Banks and Oregon City. The Oregon Department of Agriculture said that the discovery of EAB in Portland has now put all of Multnomah County into the EAB [quarantine zone](#), which also includes Washington, Yamhill, Marion and Clackamas counties.

Native to Asia, EAB was first detected in Oregon in 2022 at an elementary school in Forest Grove. Considered to be the most destructive forest pest in North America, EAB has killed over 100 million ash trees nationwide since its arrival in the U.S. more than 20 years ago.

Joining us to discuss the spread of EAB and [how the public can help](#) efforts to contain it are Cody Holthouse, manager of ODA's Insect Pest Prevention and Management Program and City of Portland Forester Jenn Cairo.

Oregon Invasive Species Council Hotline



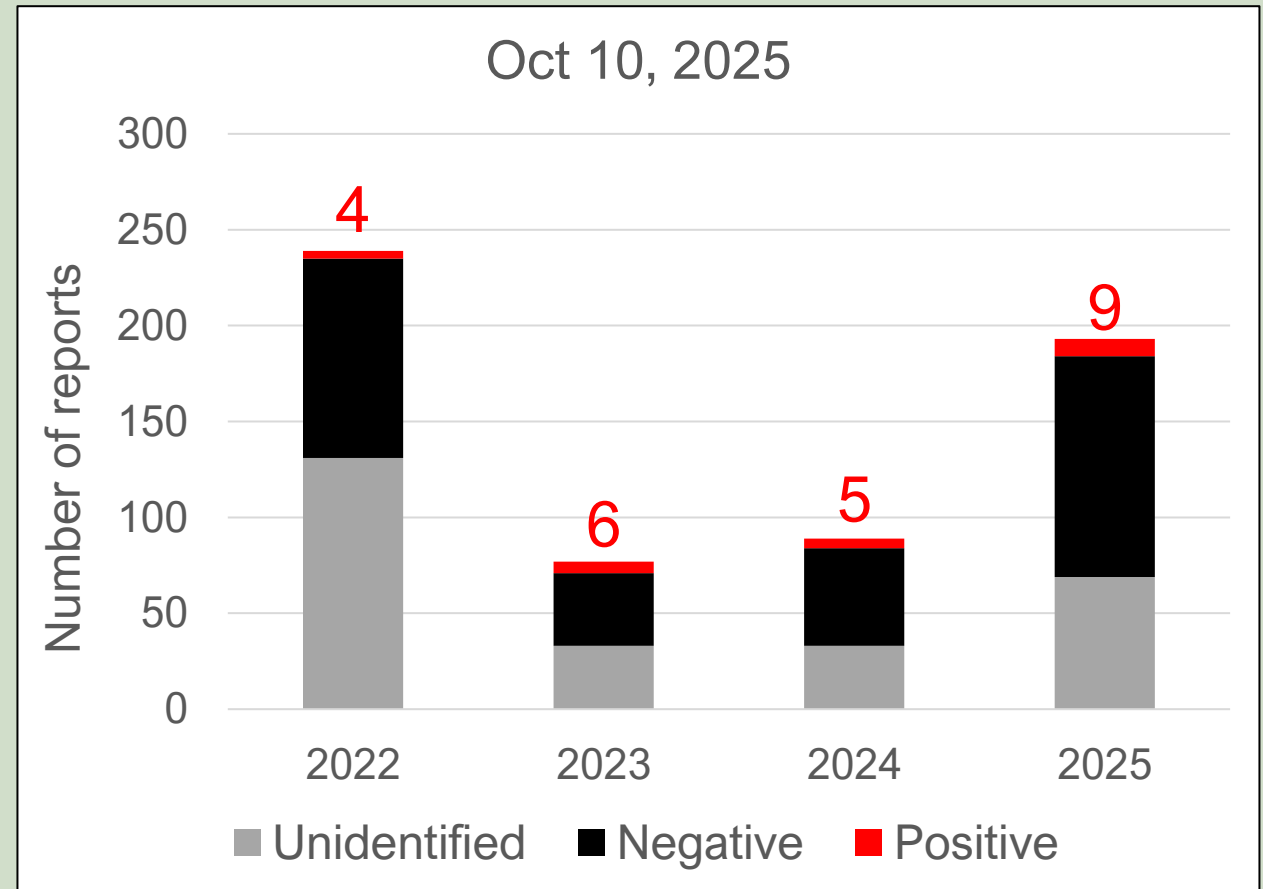
2025 Hotline reports for EAB--69 unidentified, 115 negative, 9 positive

Oregon Invasive Species Online Hotline Learn Search Reports Report Now

Emerald Ash Borer (*Agrilus planipennis*) on Aug 9, 2025

Description of specimen

Ash trees along Meadow View Rd east of Robinwood Dr intersection are exhibiting signs of Emerald Ash Borer infestation: dieback, D-shaped exit holes, woodpecker holes, splitting bark, galleries under bark. Nearby streets of Robinwood Dr, Blue Jay Ave, and Forest Pl are lined with Ash trees as well, but show less visible signs of infestation damage.



<https://oregoninvasiveshotline.org/>

Spot EAB: Survey123 for tree inspections



Survey tool for natural resource professionals

Jan 1 to Oct 10, 2025 reporting period

85 reports: **7 positive**

A screenshot of the "Emerald Ash Borer Detection Survey" form on a mobile device. The form includes fields for "Your Name", "Agency/Affiliation/Organization", "Survey Date" (set to Tuesday, September 9, 2025), "Tree Location", "Street Address", "Is this tree an EAB host?" (with links to guides for Ash, White Fringe, and Olive trees), and "Are signs of EAB Present?". The form is displayed on a smartphone screen with a black status bar at the top showing the time as 9:04.

Oregon 2025 EAB Detection Summary



EAB Detection Summary:

Jan 1 to Oct 10, 2025 reporting period

Public	Professional	Survey	Total #	Positives*	% Positive
	✓	Traps	335	9	2.7
✓	✓	Hotline	193	9	4.7
	✓	Spot EAB	85	7	8.2
		Totals	613	25	4.1

*All confirmed positives are depicted on Oregon EAB Web Experience Map



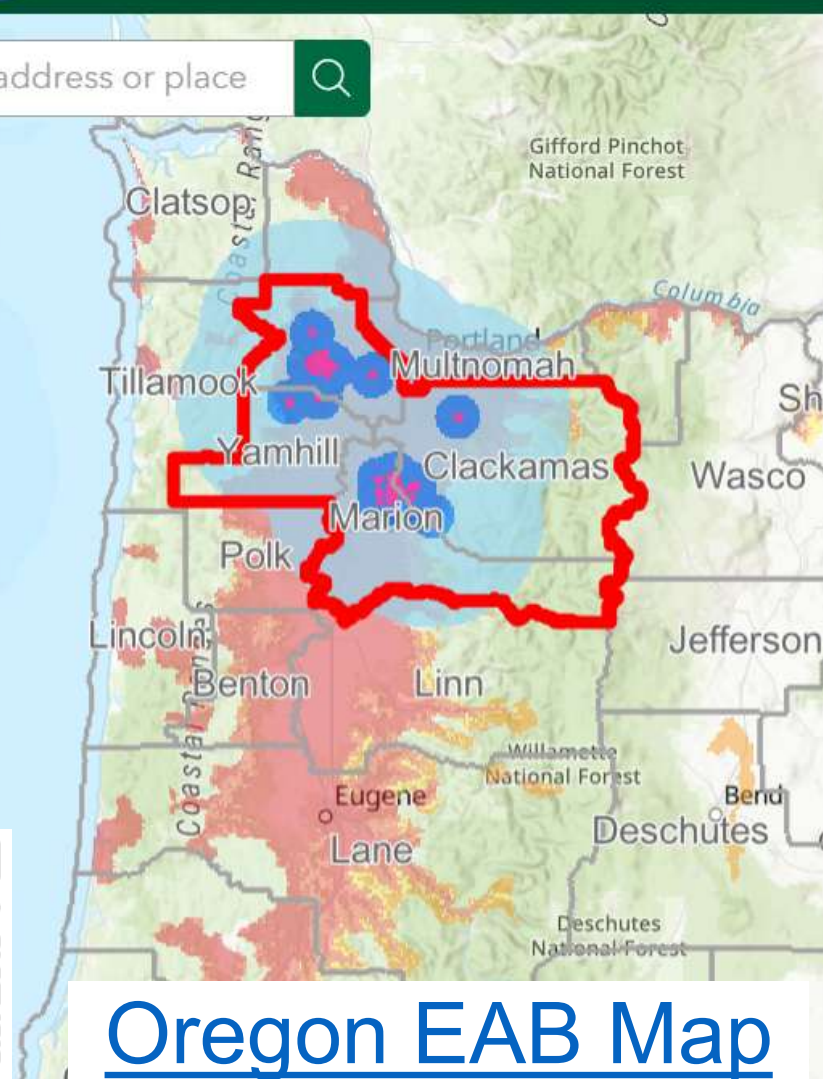
OregonEAB.com



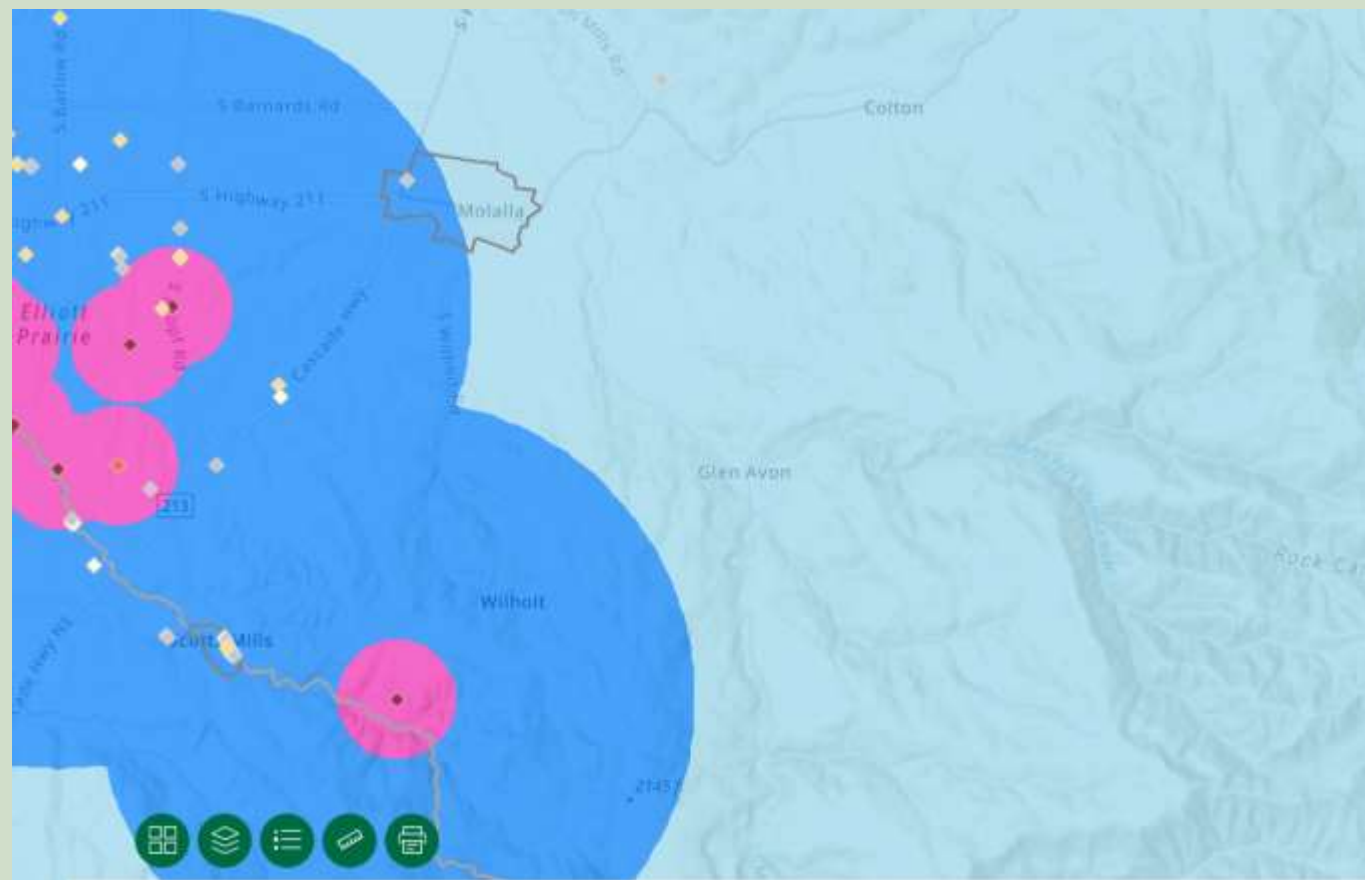
Oregon Emerald Ash Borer



Find address or place



[Oregon EAB Map](#)

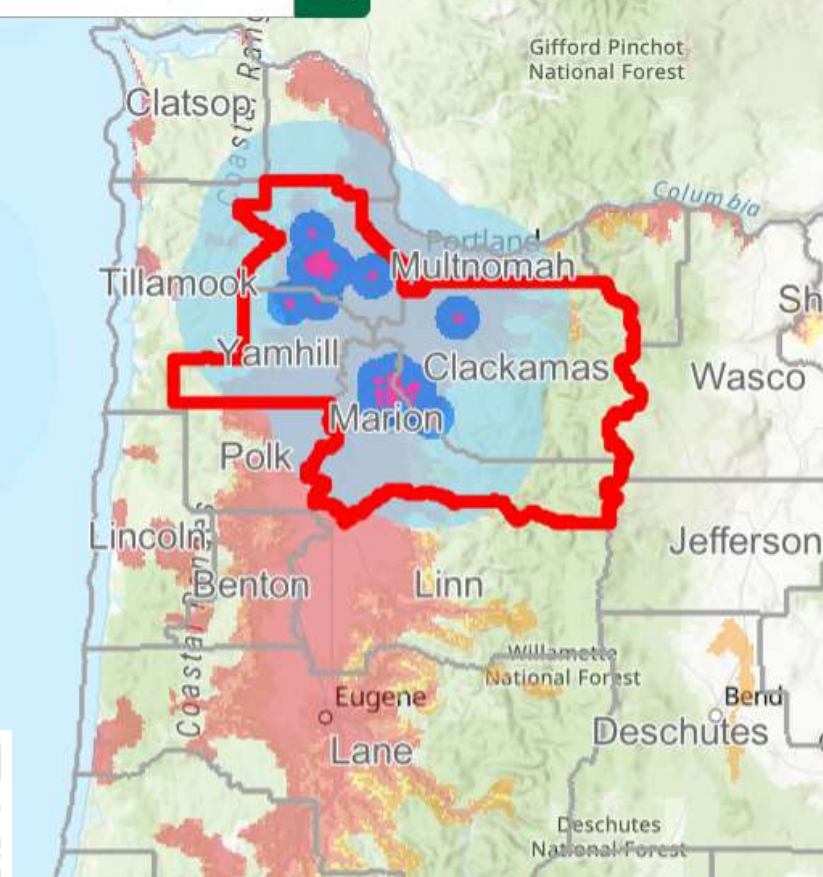




Oregon Emerald Ash Borer



Find address or place



[Oregon EAB Map](#)

Map Layers

- Oregon EAB Quarantine Area ...
- Emerald Ash Borer Detection Survey 2024 ...
- Emerald Ash Borer Initial Detection Survey 2022-2023 ...
- Oregon Ash Seed Collection View (Public) ...
- EAB Traps Historic ...
- > Oregon Reference Layers ...
- EAB Management Action Zones ...
- Emerald Ash Borer Risk Areas ...
- Oregon Land Management ...
- Portland Metro Area Hardwoods ...

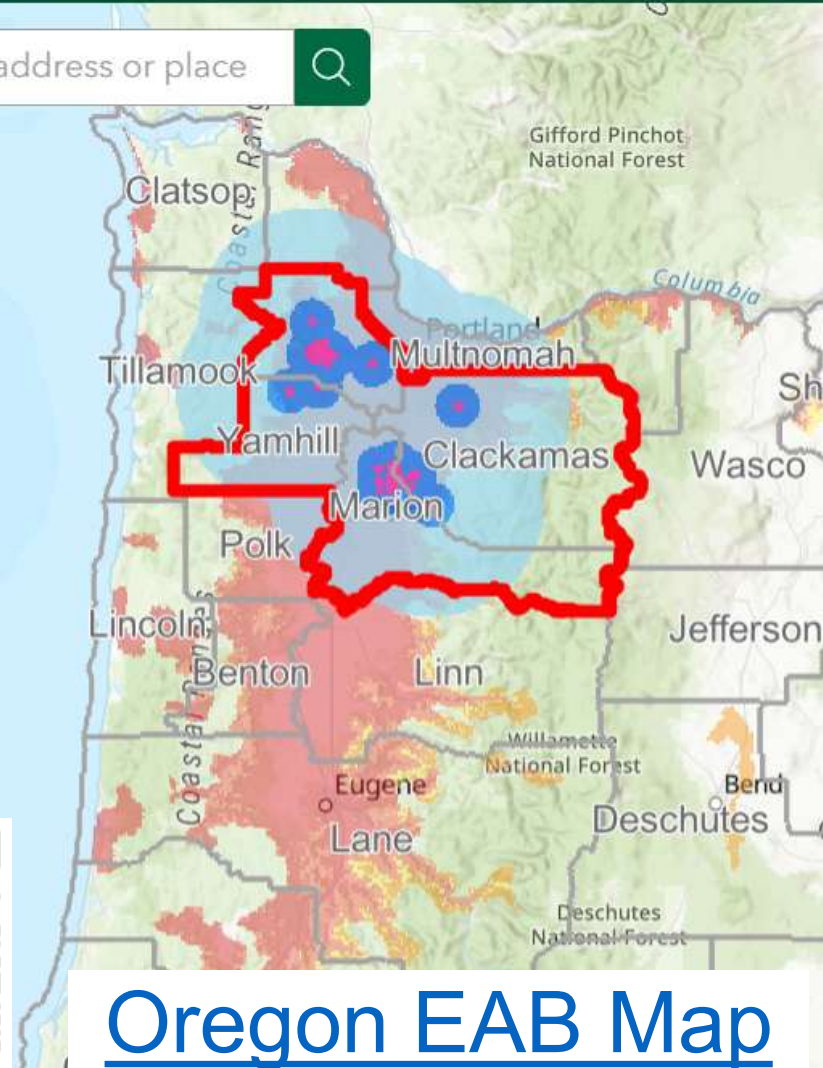




Oregon Emerald Ash Borer



Find address or place



[Oregon EAB Map](#)

EAB Expansion Area (5 miles)



Zoom to

EAB will be moving into this area or may be present already

- Inject selected ash trees with insecticide and remove untreated ash trees, especially those that will pose a hazard.
- Replace with trees not susceptible to EAB. Destroy or process any infested trees.
- State and local partners may conduct girdled tree surveys and EAB trap surveys, as resources allow.

Management action zones*

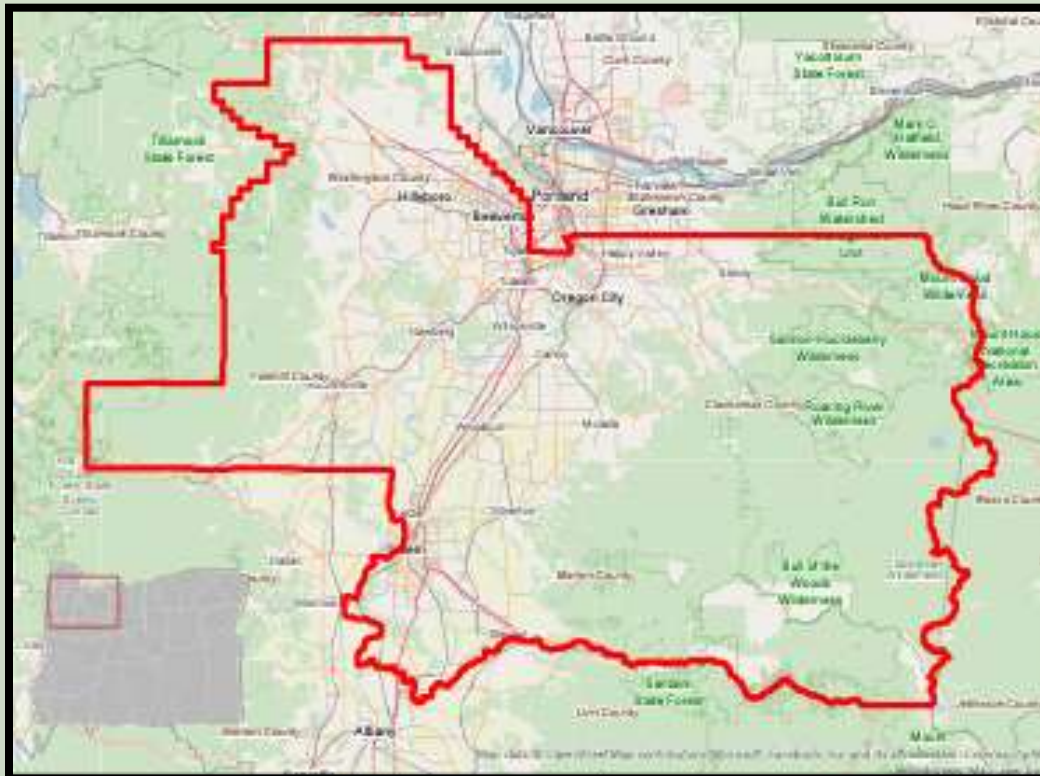
Priority Actions

Don't move firewood or raw ash wood
Inventory ash trees
Survey trees for EAB
Destroy/process infested trees
Remove/replace trees
Inject trees with insecticide
Conduct EAB trap surveys (agencies)

	EAB Infested	EAB Expansion	EAB Alert
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓

For all management areas: DO NOT MOVE FIREWOOD or raw ash wood.

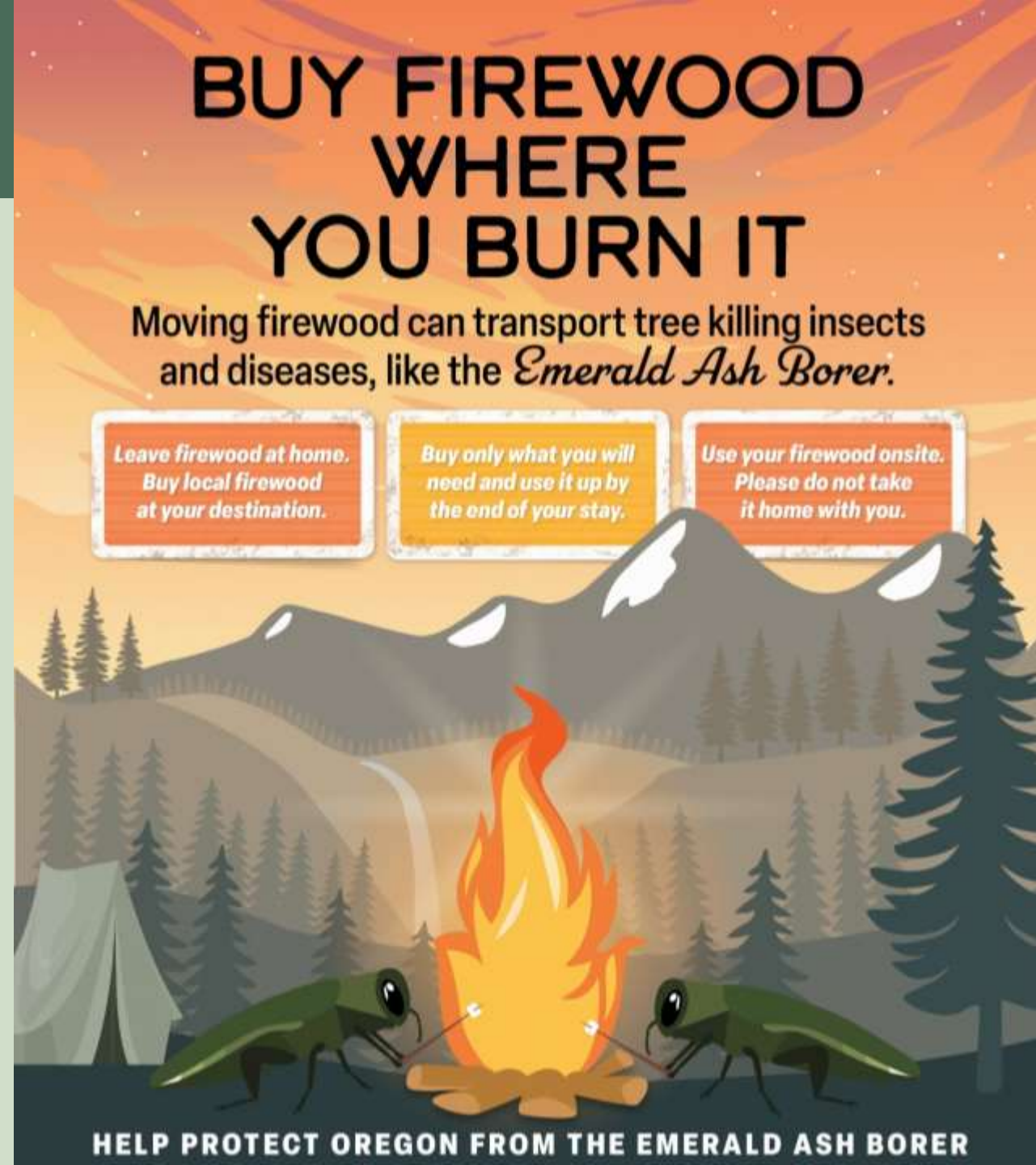
Active Quarantine



1. Restricts movement of ash, olive material (e.g., logs, nursery stock, chips, etc.)
2. Requires treatment (e.g. chip < 1") and compliance agreement to move material outside quarantine
3. Limits ash tree removal and pruning to October 1 – April 30

Public Education

- You can help slow the spread of EAB: don't move firewood!
- Follow the quarantine for ash material
- Stop planting ash (for now)

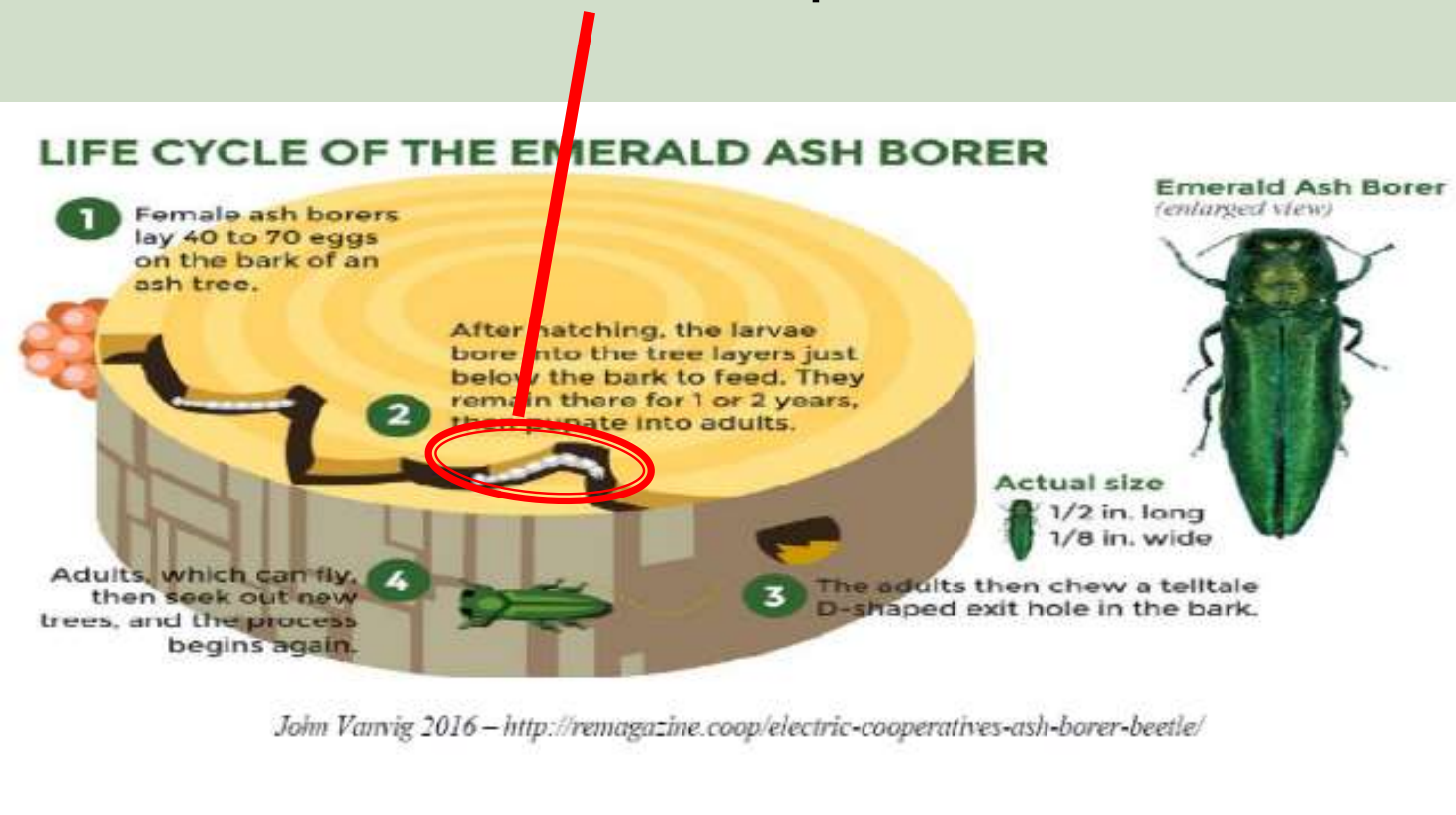


Why not move ash wood?



EAB larvae spend several months over winter burrowed in sapwood

Solution: chip wood, or heat-treat firewood for 160°F for 60 min



Oregon's EAB Readiness & Response



2008

Trapping throughout state
Federal and state cooperation

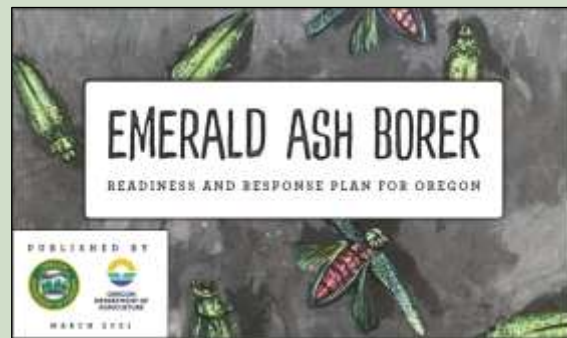


2019



2023

Visual surveying + trapping
increases
SLAM begins
Biocontrol release



2018



2022



2024

EAB Task Force initiated Sept 2022



- Led by Oregon Dept. of Agriculture
- Coordinated through Oregon Invasive Species Council
- Over 40 agencies and counting

Task Force Subcommittees:

1. Survey & Monitoring
2. Wood waste & wood utilization
3. Research
4. Communication
5. Local groups (SWCDs, cities)



[Sign In](#)

[EAB Home](#) [About](#) [Resources](#) [Local Information](#) [Oregon EAB Map](#) [Report EAB](#)

Emerald Ash Borer (EAB) in Oregon



Emerald ash borer (*Agrilus planipennis*) – commonly called EAB – is a destructive, invasive beetle that infests and kills ash trees (*Fraxinus* species). EAB has spread across North America since it was first detected in Michigan in 2002, killing hundreds of millions of ash trees. EAB was confirmed in Oregon in 2022, the first known case on the West Coast. Once EAB arrives in an area, it cannot be eradicated –which means it doesn't go away. Even though EAB will kill many ash trees in Oregon, there are steps we can take to slow its spread and limit its impacts.



Adult emerald ash borer beetle | David Cappaert

What you can do:

- **Do not move firewood** or woody debris more than 10 miles from where you buy or collect it.

Management Options



Biological control Three species released by ODA

In 2025:
359 Releases at 8 sites

- 6,500 *Oobius argili*
- 6,280 *Spathius galinae*
- 9,800 *Tetrastichus planipennisi*



Systemic trunk injection (Emamectin Benzoate)



Street Tree Inventory

You can't
manage what
you don't
know



LEGEND



Layer:

Trees

Display by:

Species

Symbology:

None

You're viewing the **Cornelius** trees.

Showing 392 of 392 sites.

SHOW ALL TREES

BACK TO COMMUNITY PARTNERS

☒ Toggle All

☒ ash spp (196)

☒ Golden Desert ash

☒ green ash (56)

☒ narrowleaf ash (46)

☒ Oregon ash (74)

☒ Raywood narrowleaf ash (8)

☒ white ash (9)

☒ Not Specified (2)

Charts

Layers

☒ Canopy Boundary

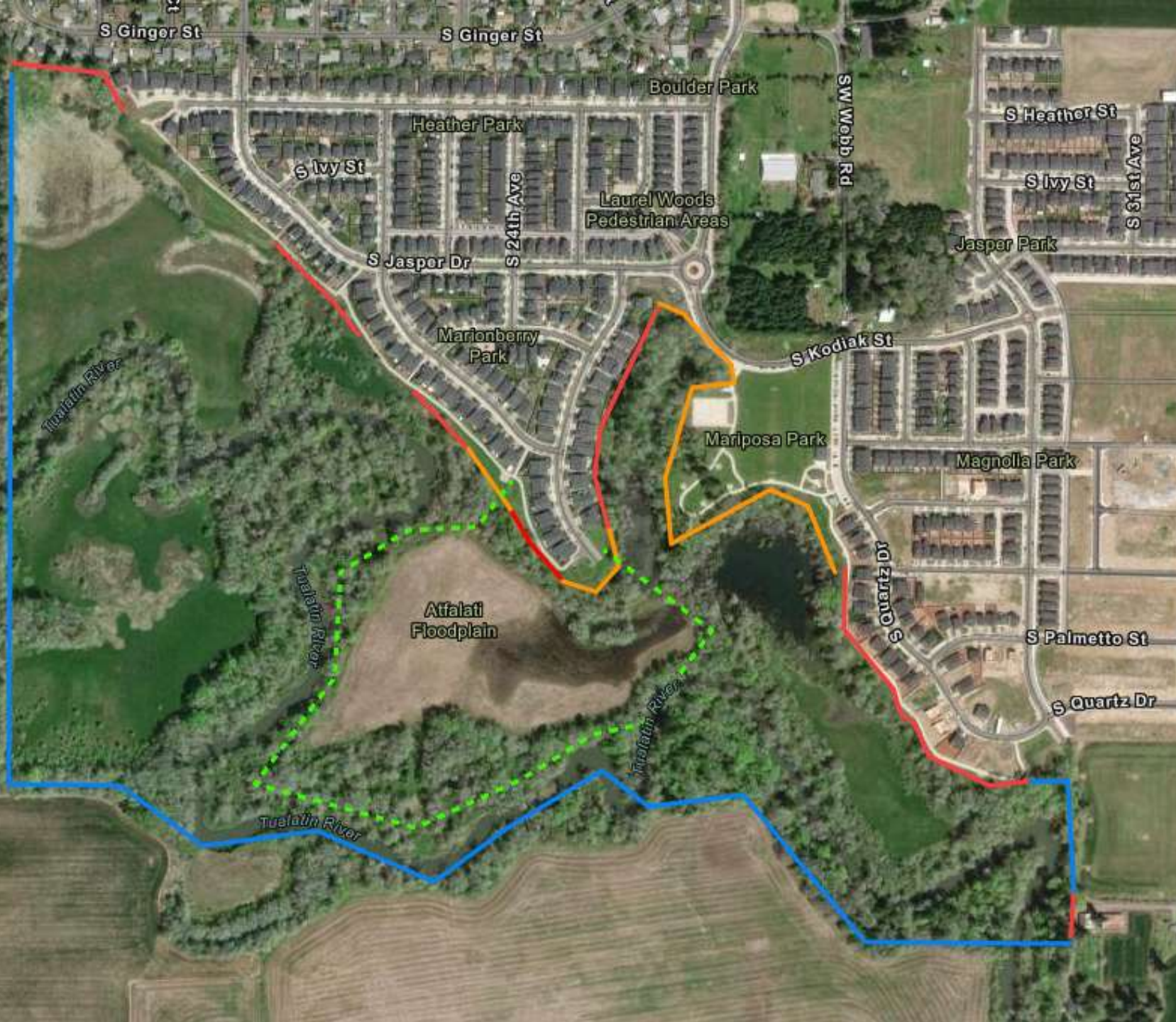
☐ City Boundaries

☐ Albany Tax Lots

☐ Albany Address Points

☐ Nearmap

Keyboard shortcuts



Example of an Action Plan:

High-risk trees

- Felling
- Treatment

Moderate-risk trees

- Prune and let fail
- Create snag tree

Low-risk trees

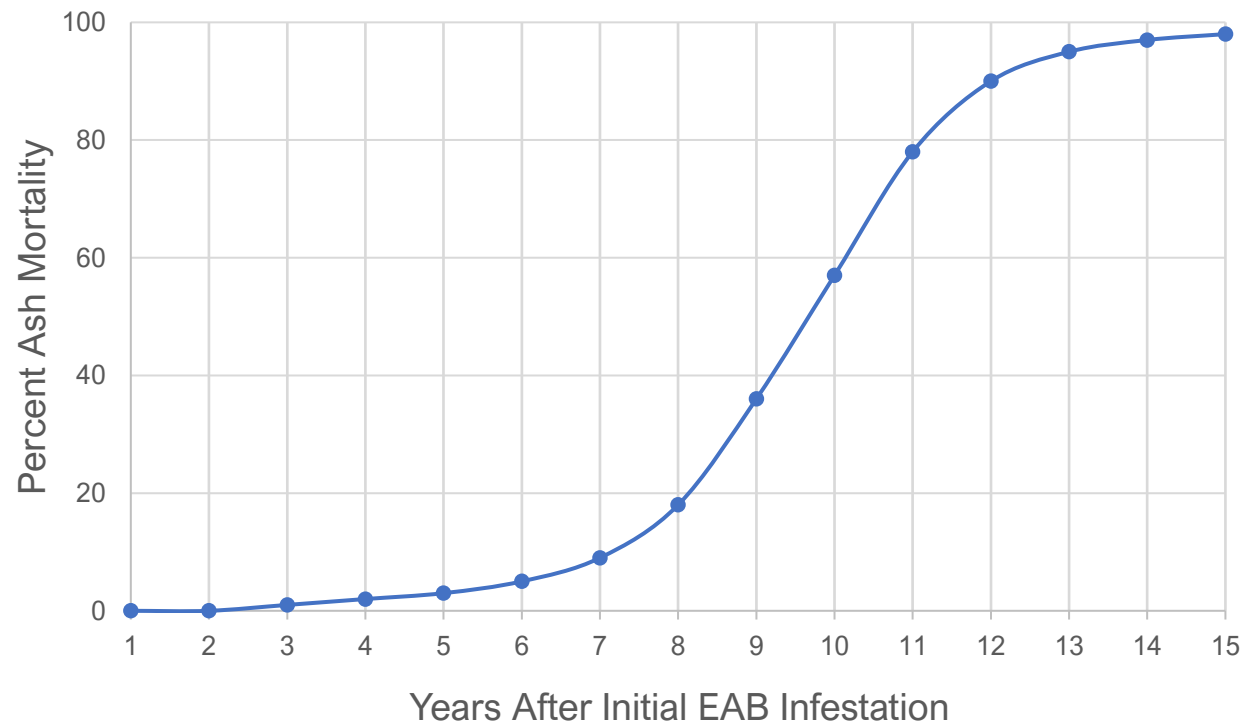
- No management

Q: *How many ash will die?* A: >90%



Slowing the mortality, preparing communities is the best strategy

Typical Ash Mortality Timeline



Oregon ash, Ankeny NWR
Oregon Dept. Forestry



Dead/dying black ash
Virginia Dept. Forestry

Ash seed for conservation & research



1 million seeds collected & provided to researchers across U.S.



Oregon's EAB Readiness & Response



- Survey & Monitoring
 - >5,000 trees surveyed
 - >1,500 traps placed
- Training & Outreach
 - >10,000 people educated
 - >50 events per year
- Management when possible
 - “Slowing ash mortality”
 - Biological control
 - Tree injections
 - Gene conservation



Summary



- Invasive EAB found in Oregon in 2022
- Spreading throughout Willamette Valley
- Significant ash mortality expected in next 10-20 years
- Impacts to stream ecology
- High \$\$ costs in urban forests
- Don't move firewood
- Hope in finding genetic resistance



EAB Resources – OregonEAB.com



State Resources

- [Oregon's EAB Readiness and Response Plan](#)
- [ODF Forest Health Website](#)
- [Biological Control for EAB](#)

Identification and Fact Sheets

- [Ash Identification](#)
- [EAB Look-Alikes](#)
- [EAB Fact Sheet](#)
- [EAB Quarantine](#)
- [MOB Fact Sheet](#)

OSU EAB Resources

- [Oregon Ash: Insects, Pathogens, and Tree Health](#)
- [Alternatives to Ash in Western Oregon](#)
- [Recommendations for Tree Protection Against EAB](#)

Management Resources

- [10 Recommendations for Managing Ash](#)
- [Managing Northeastern Forests Threatened by EAB](#)
- [EAB Management Review](#)
- [EAB Insecticide Treatment Fact Sheet](#)

Wood Use

- [Resource Directory of Wood Waste Professionals](#)
- [What To Do with Ash Wood](#)

Other Forest Management

- [Find an Arborist](#)
- [Tree Risk Management](#)

Report Invasive Species

- [Reporting Potential EAB Insects or Infestations](#)

