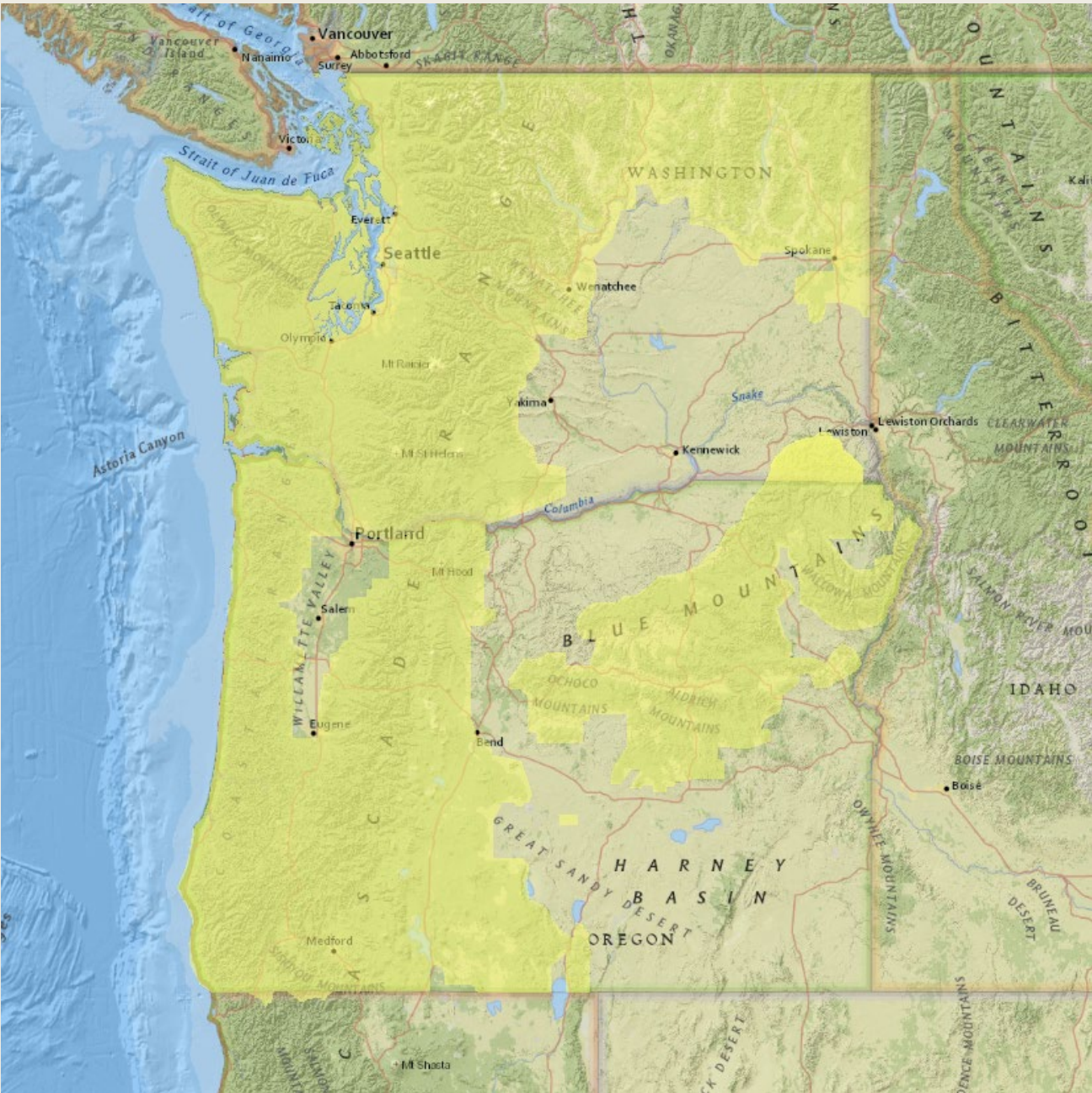




Aerial Detection Survey Highlights 2022

Daniel DePinte-Forest Health Specialist, USFS




Which Forests in the Pacific Northwest Do We Monitor?

~ 69,000,000 acres annually!



What do we monitor for?

Biotic Forest Damage:
Defoliation
& Mortality

An aerial photograph of a vast, dense forest of coniferous trees. The trees are mostly green, but there are significant patches of brown and reddish-brown, indicating areas of tree mortality or stress. In the bottom right corner, there is a semi-transparent white callout box with a curved top edge, containing text.

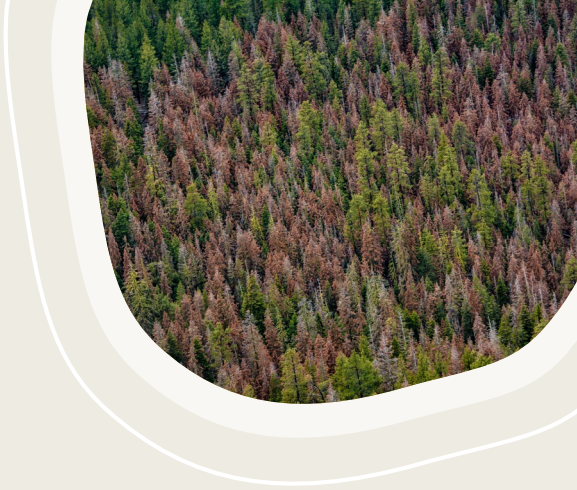
Abiotic Events:
mudslides,
avalanche, drought,
heat



Fir Mortality Event 2022
Drought, Insects, and
Disease, oh my!



Oregon's Area of Drought 2022

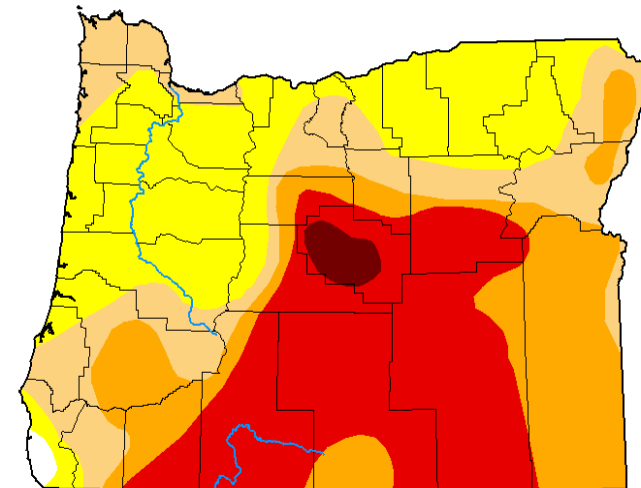
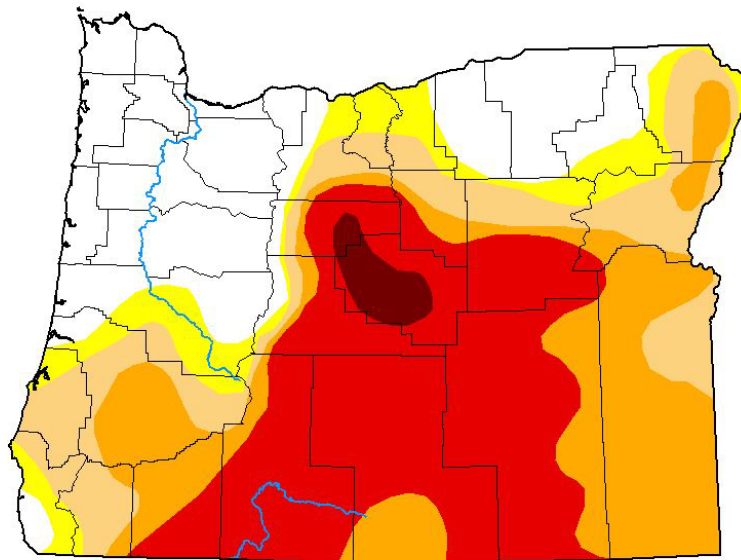
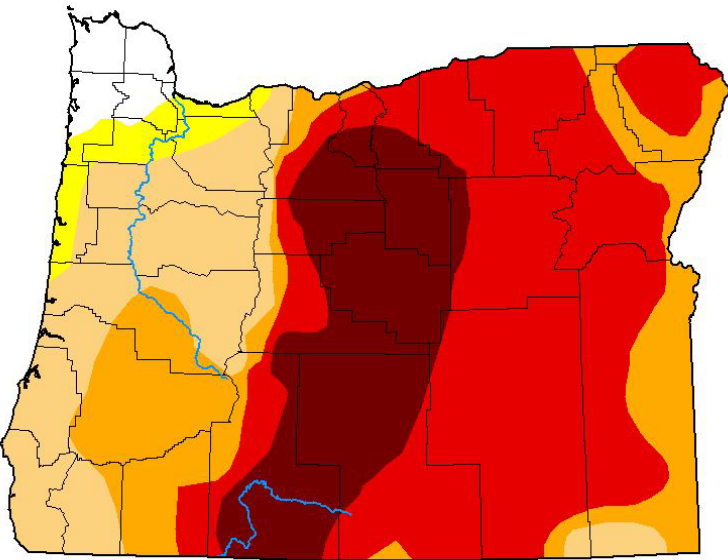


December 28, 2021

July 12, 2022

U.S. Drought Monitor
Oregon

October 11, 2022
(Released Thursday, Oct. 13, 2022)
Valid 8 a.m. EDT



- Intensity:**
- None
 - D0 Abnormally Dry
 - D1 Moderate Drought
 - D2 Severe Drought
 - D3 Extreme Drought
 - D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <http://droughtmonitor.unl.edu/About.aspx>

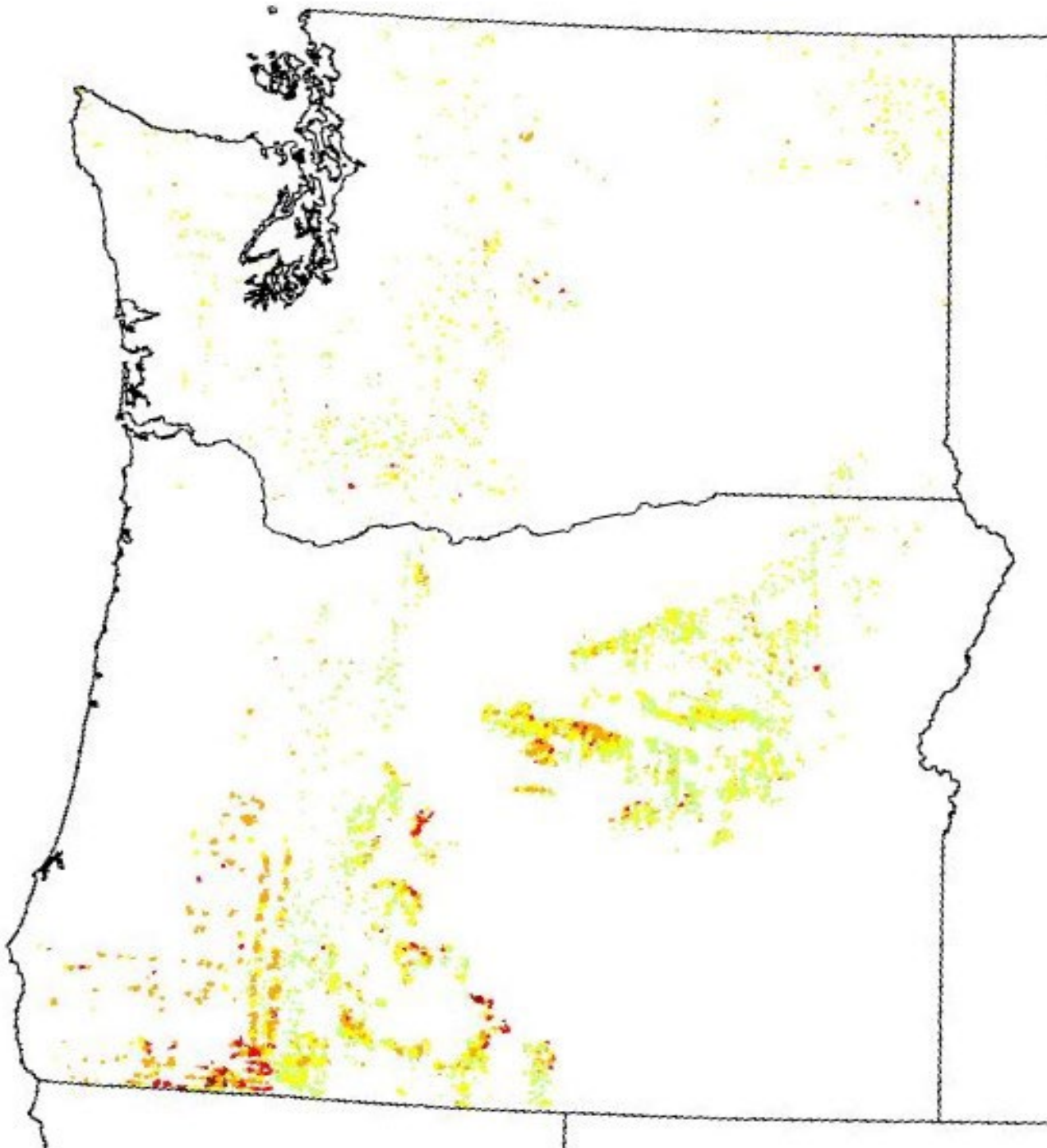
Author:
Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu

Acres with Fir Mortality in 2022

Oregon ~ 1,100,000 Acres
Washington ~ 69,000 Acres



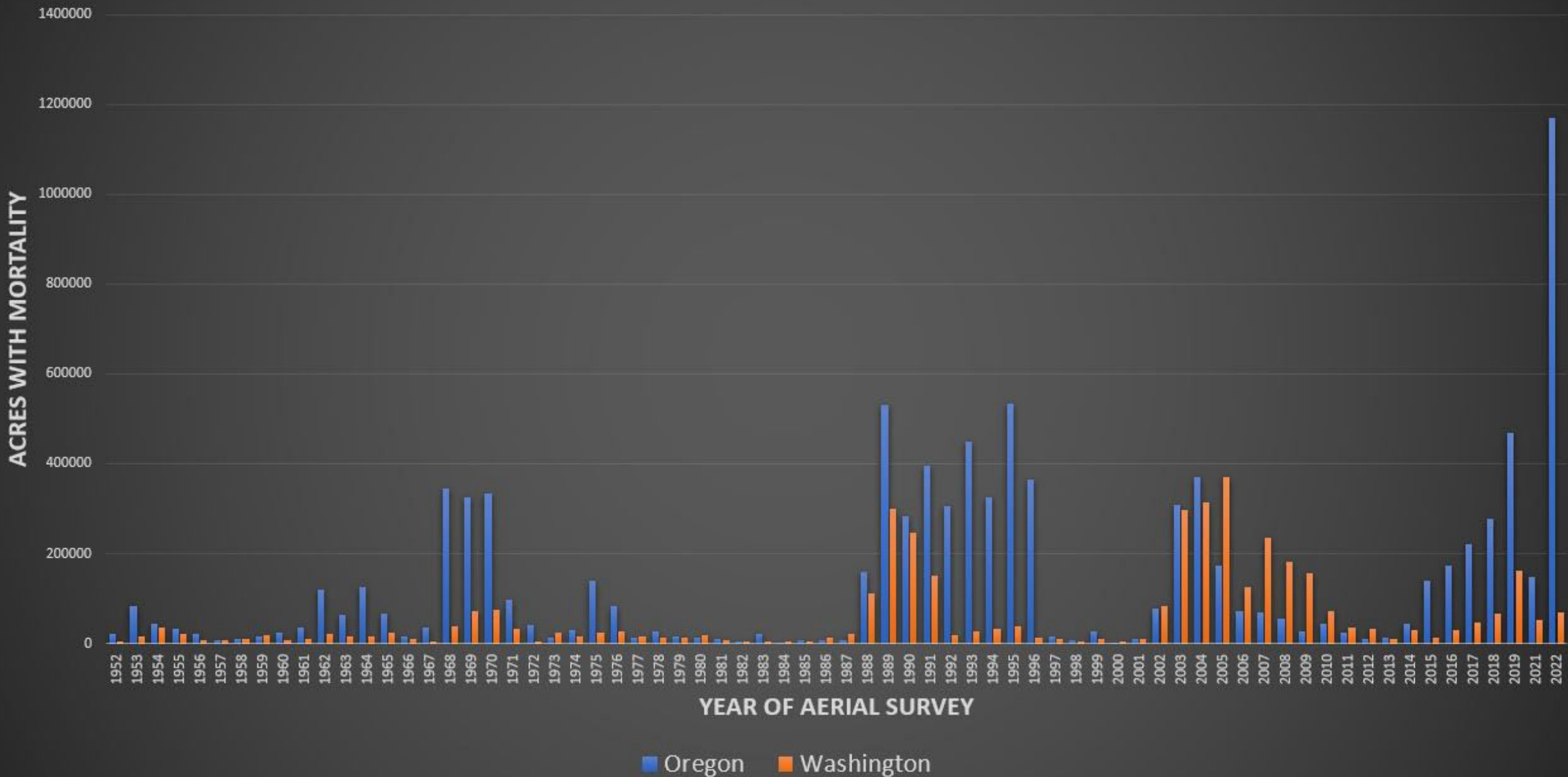
Legend

Fir Mortality 2022

Level of Severity

- Very Light (1-3%)
- Light (4-10%)
- Moderate (11-29%)
- Severe (30-50%)
- Very Severe (>50%)

Acres with Fir Mortality in the Pacific Northwest



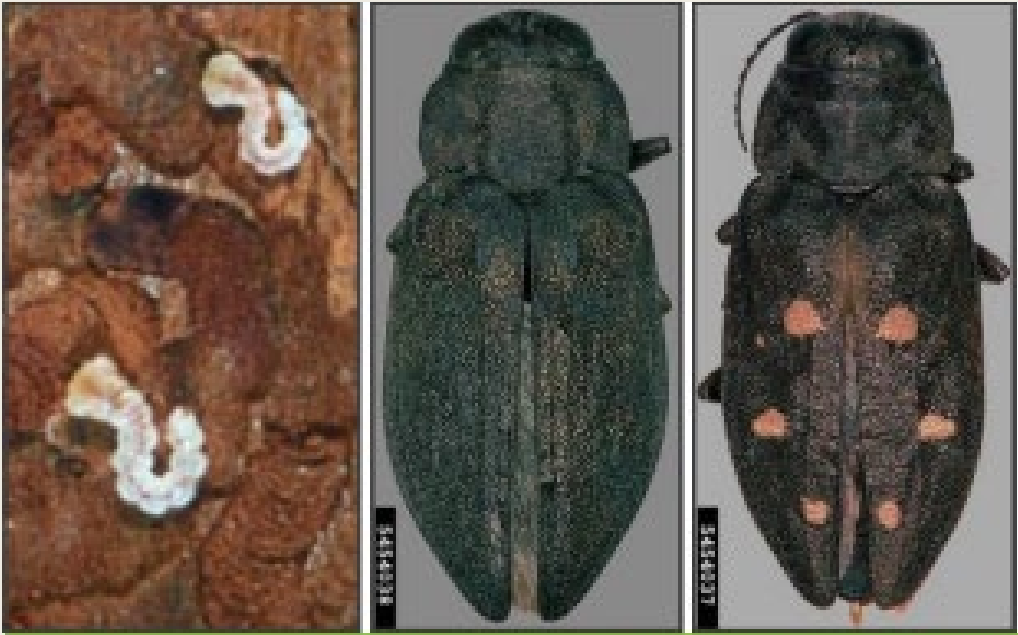
More Impacts on Forest Health



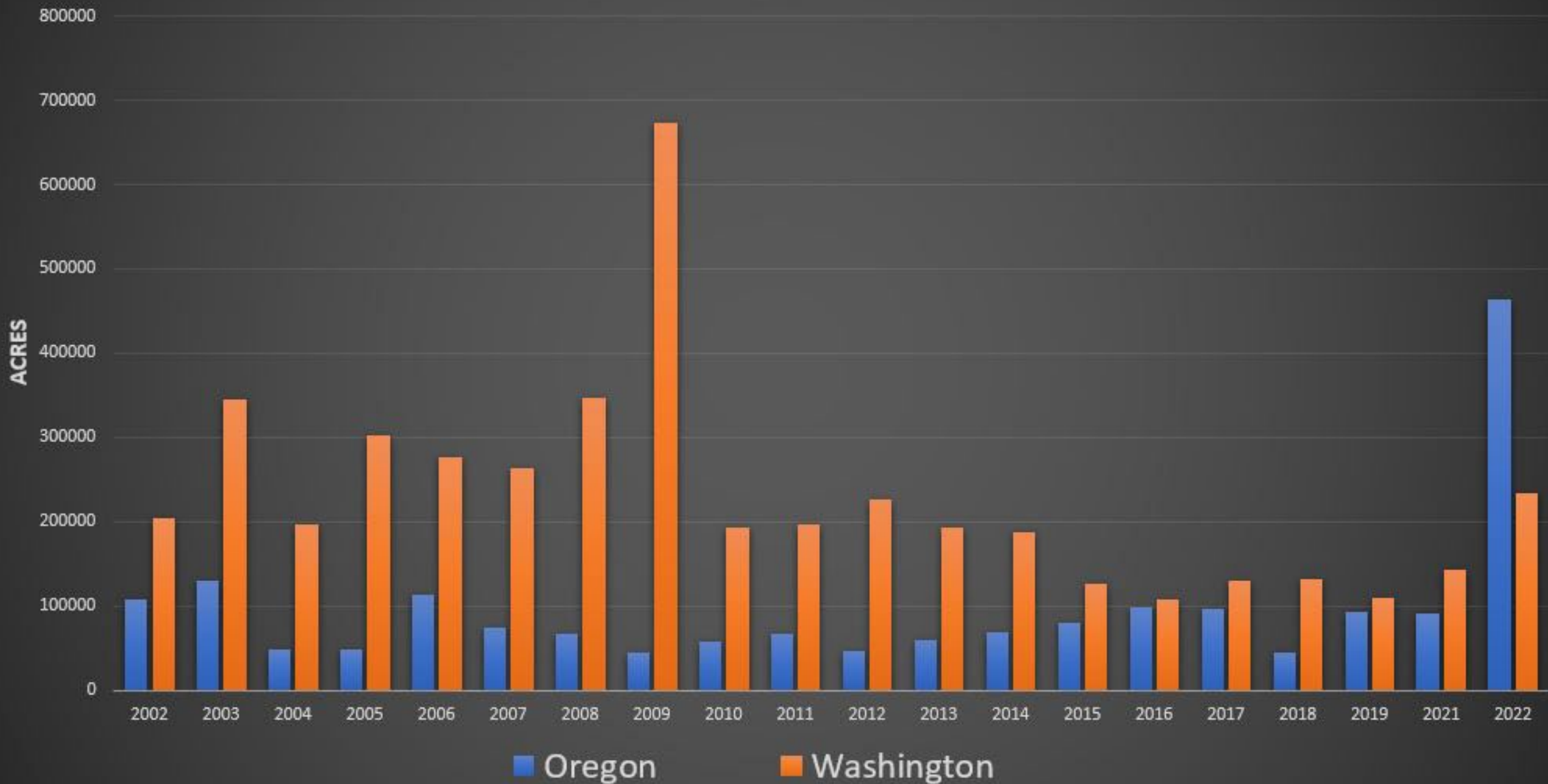
DOUGLAS-FIR MORTALITY IN SOUTHWEST OREGON



FLATHEADED FIR BORER



Acres with Douglas-fir Mortality



An aerial photograph of a vast, dense forest. The trees are mostly green, with some showing early autumn colors of yellow and orange. In the background, there are rolling hills and mountains under a bright blue sky with scattered white clouds. The text "THANK YOU" is overlaid in the center of the image in a white, serif font.

THANK YOU