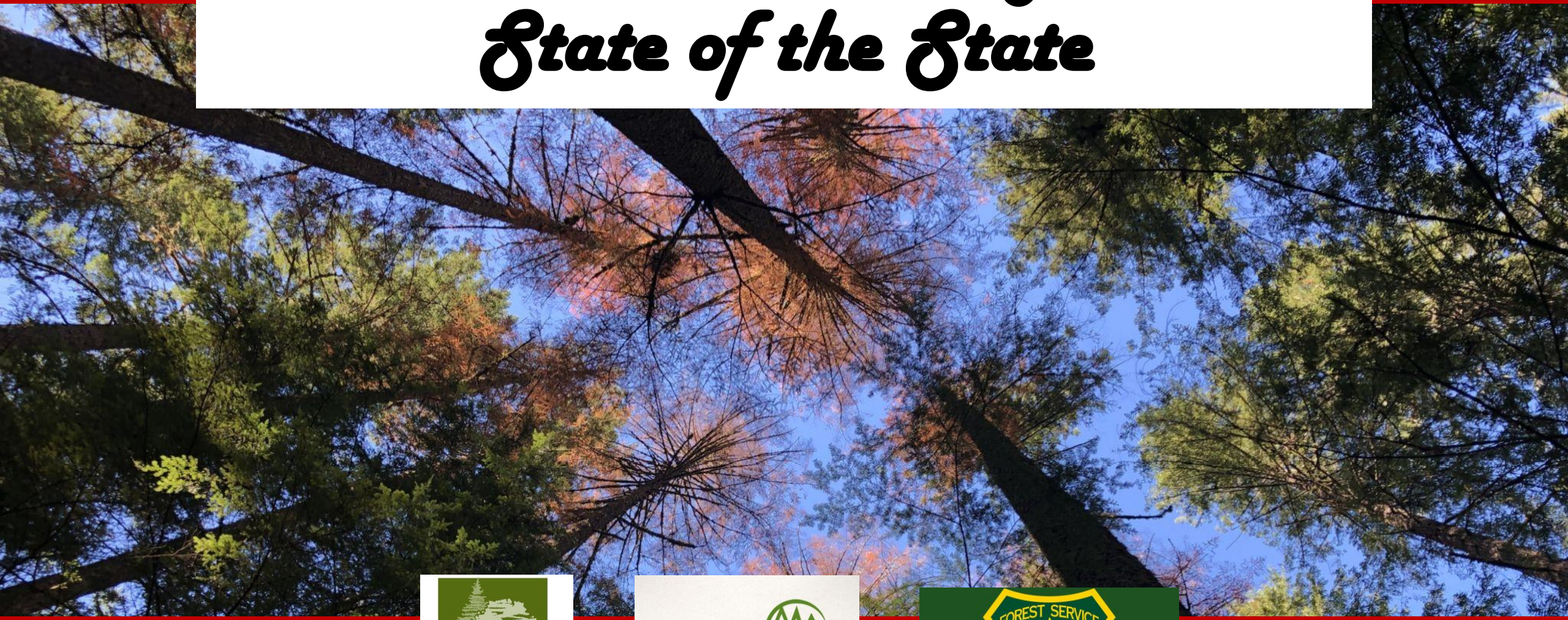
Forest Health In Oregon 2022: State of the State



Oregon State University College of Forestry

SAF Oregon

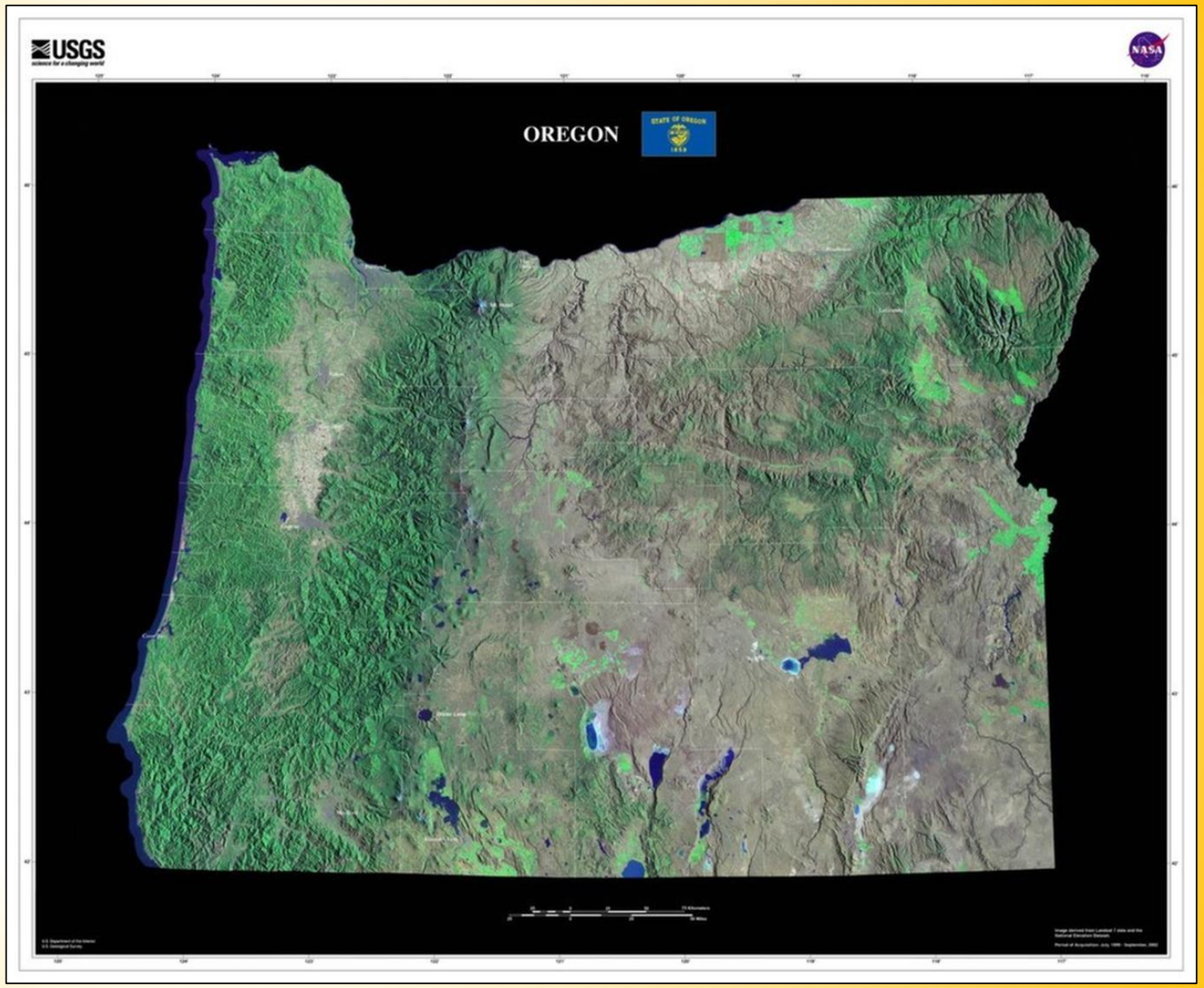
Oregon Forest Resources Institute

Forest Service U.S. Department of Agriculture

Oregon State University Extension Service

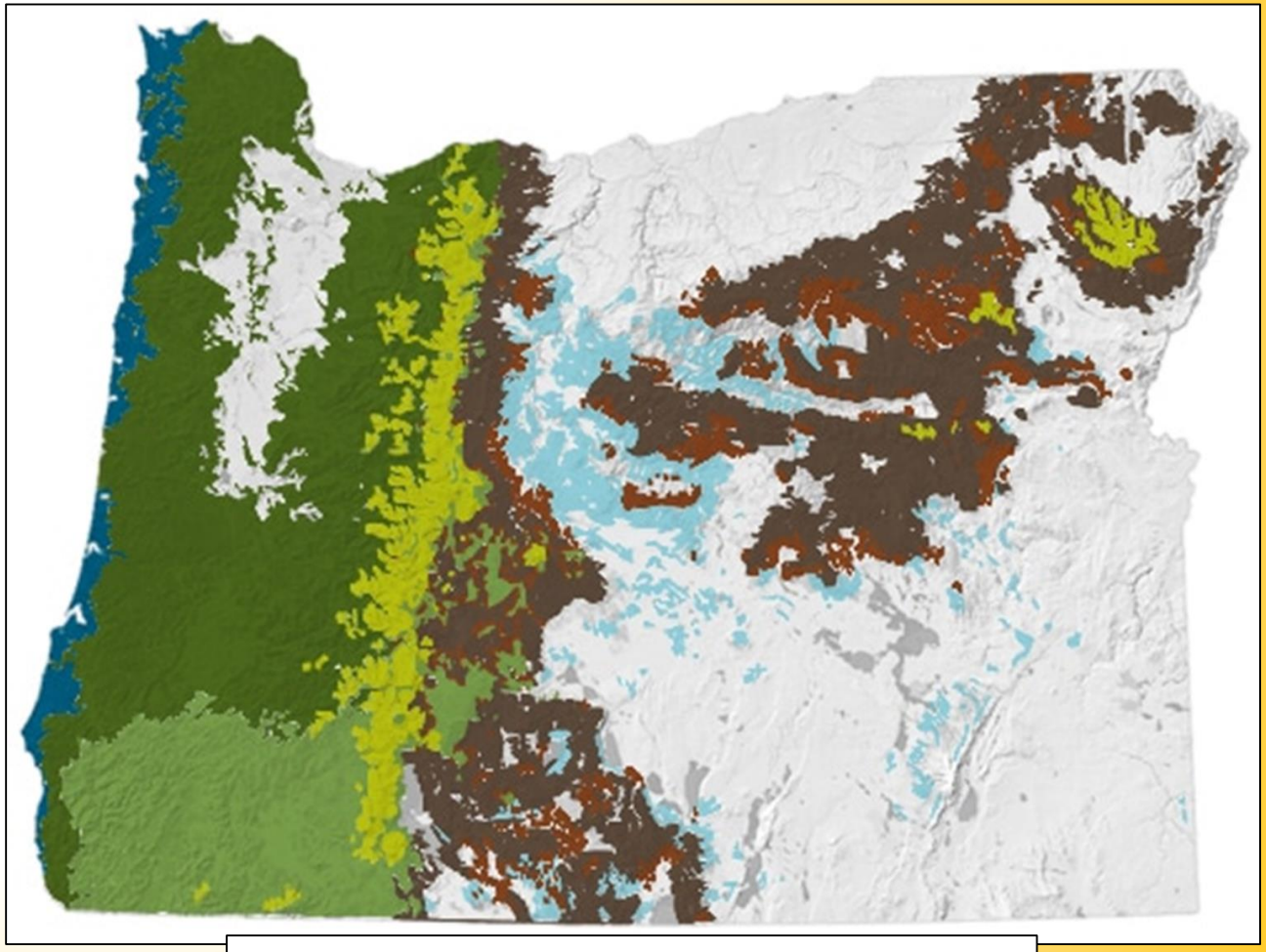
Logistics

- We will endeavor to stay on-time to accommodate viewers who drop in for individual talks.
- Type questions in CHAT during the talk
- Sessions will be recorded and posted on our website: https://www.forestry.oregonstate.edu/cpe/forest-health-2022



Oregon Society of American Foresters
CFE Credits

- If you signed up for SAF CFE credits please follow these guidelines:
- We have emailed a voucher to all who noted SAF credits
- At the end of each day (Noon) we will post a keyword.
- After the conference email the voucher with keywords and your SAF information to dave.shaw@oregonstate.edu
- We will submit to National SAF and email a certificate to you.



Forest Type Map: OFRI

What is forest health? “It Depends!”

- Multiple definitions abound
- Values, Science, People, Place-based
- Productivity, sustainability, biodiversity, ecosystem services, resilience
- Minimal tree mortality and/or decline
- “A healthy forest has a healthy amount of disease”
  - Quote from Paul Manion, Forest Pathologist

Current BIG Issues in Oregon

- **Drought**, Heat and the Heat Dome
- **Fire**: Fire weather! Fire effects.
- **Tree decline:** Cedar, Maple, Conifers
- **Insect Outbreaks**: Bark Beetles, Flat-headed fir borer
- **Tree Pathogens**: Root rots and foliage diseases
- **Invasive Species**: Phytophthoras, Blister rust, Spruce aphid, Balsam woolly adelgid.

Heat scorch near Seaside Oregon (late June 2021 heat dome)

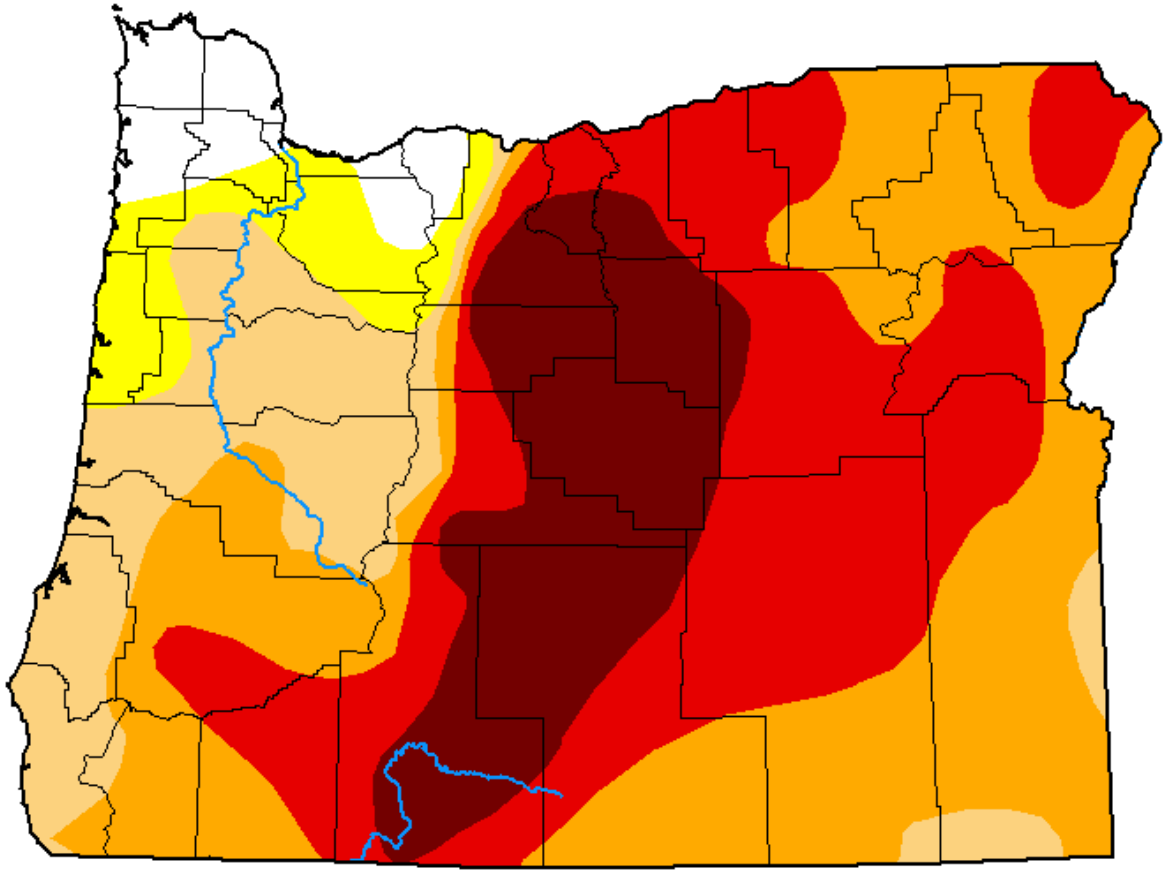
U.S. Drought Monitor

Oregon

February 22, 2022

(Released Thursday, Feb. 24, 2022)

Valid 7 a.m. EST



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 https://droughtmonitor.unl.edu/About.aspx

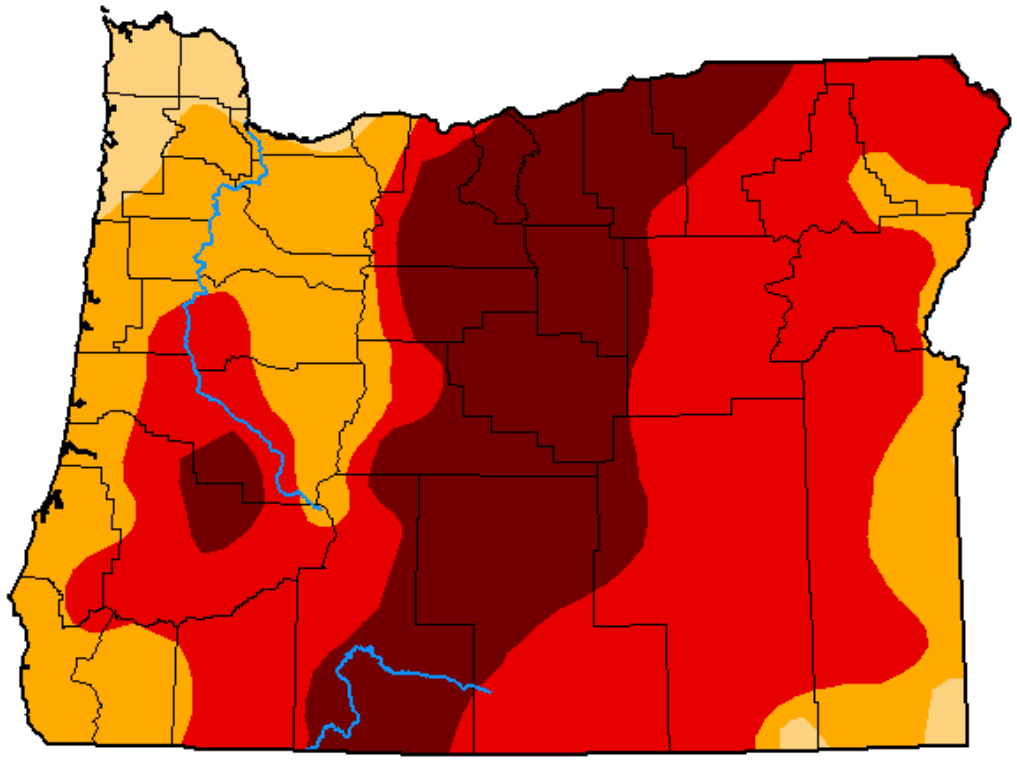
Author:

Brad Pugh
CPC/NOAA

droughtmonitor.unl.edu

U.S. Drought Monitor

Oregon



September 28, 2021

(Released Thursday, Sep. 30, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	96.47	72.10	26.59
Last Week *09-21-2021*	0.00	100.00	100.00	96.47	72.10	26.59
3 Months Ago *06-29-2021*	0.00	100.00	99.97	81.96	43.93	4.78
Start of Calendar Year *12-29-2020*	8.57	91.43	83.53	68.71	27.74	0.00
Start of Water Year *09-29-2020*	6.50	93.50	84.77	65.53	33.59	0.00
One Year Ago *09-29-2020*	6.50	93.50	84.77	65.53	33.59	0.00

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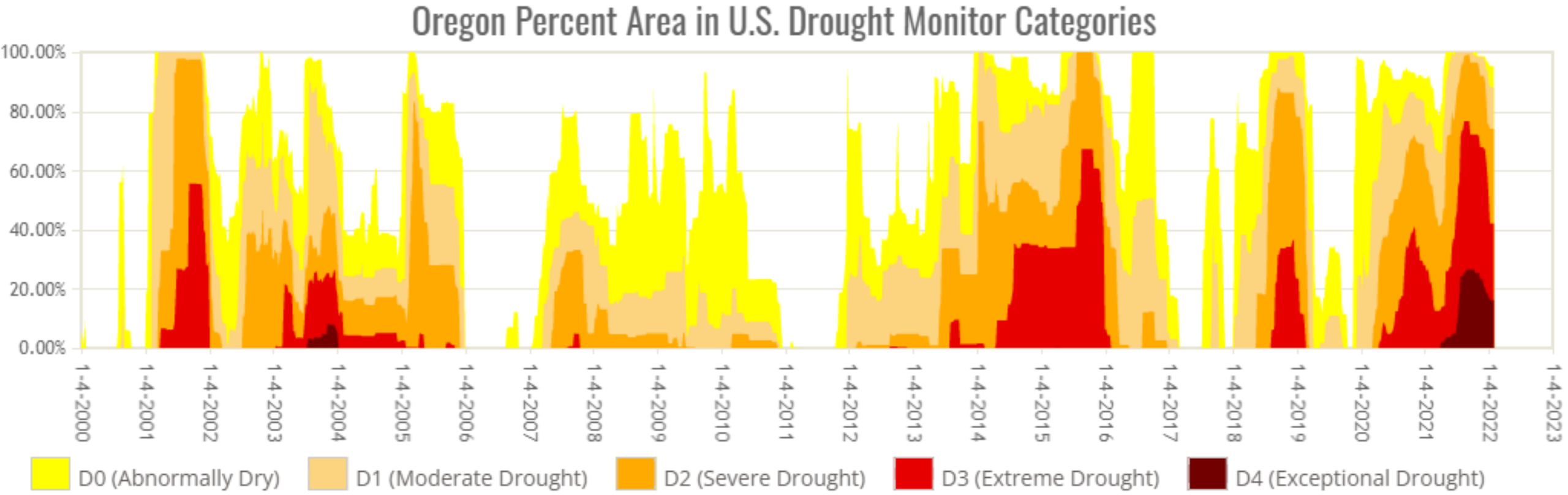
Author:

Brian Fuchs
National Drought Mitigation Center

droughtmonitor.unl.edu

Oregon drought since 2000



Today's Program

- Keynote Speaker: Jessica Halofsky
- Aerial Detection Survey Results
- Tree Rate of Mortality in Oregon
- Trees and Drought/Heat
- West-side Pathogens
- Central Oregon Forest Health

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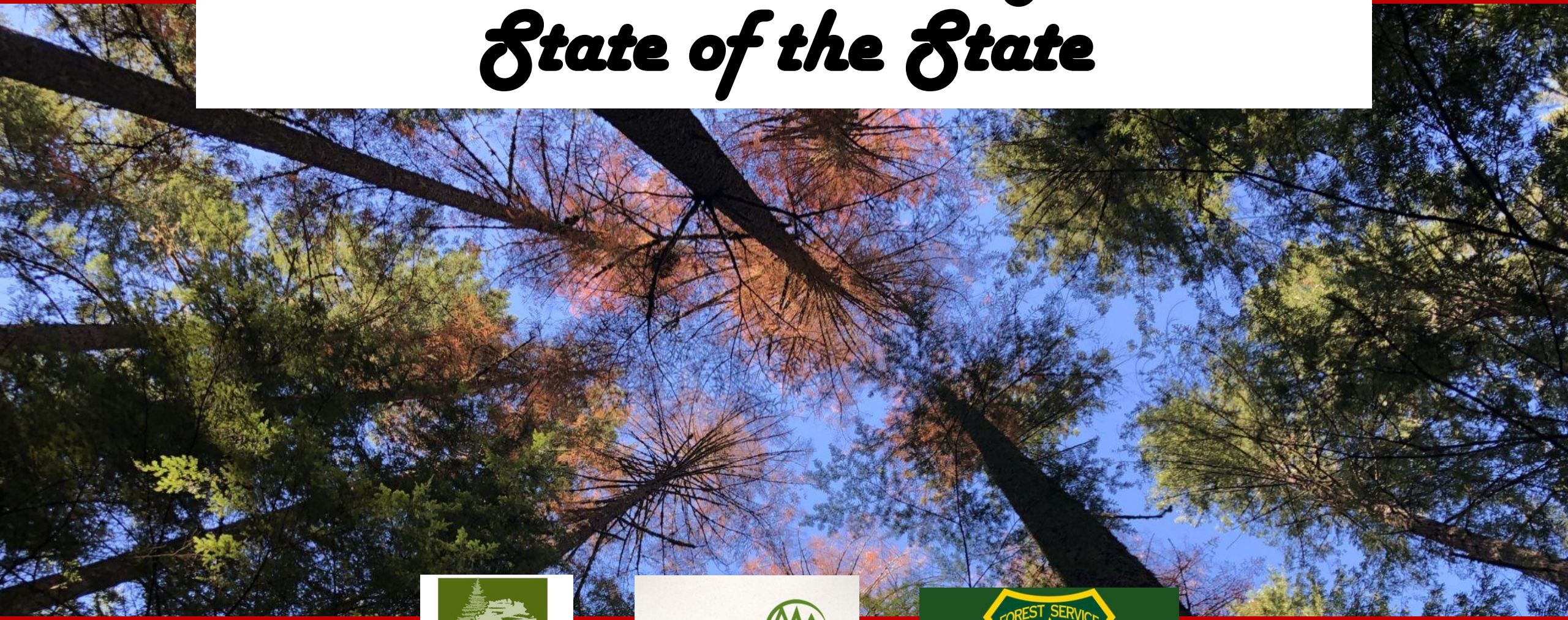

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