



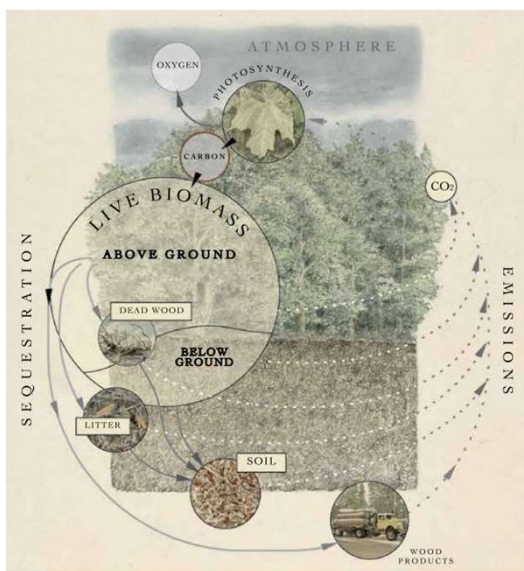
Carbon Stability in Oregon's Dry Forests

The Nature Conservancy
Oregon

Kaci Radcliffe
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Forest Carbon Cycle



[An Introduction to Forest Carbon; Wildlife-Friendly Fuels Reduction](#)

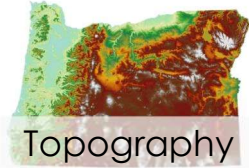
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Forests in Oregon

The Nature Conservancy



Climate



Topography



Soils



Disturbance



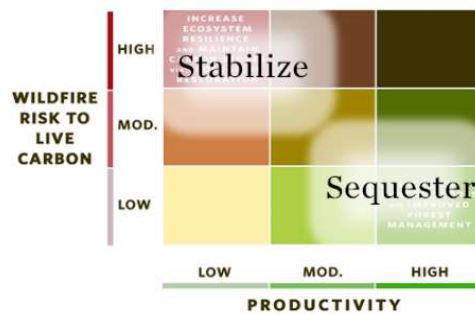
Image credits: TNC; Kaci Radcliffe

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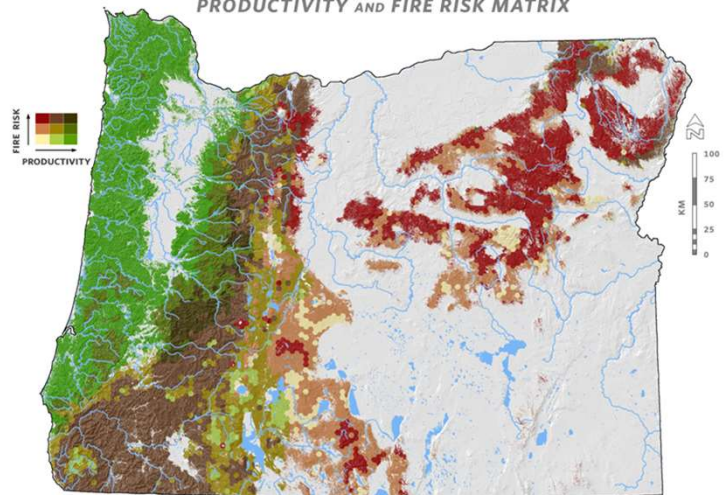
3

Diverse Forest Types, Nuanced Climate Solutions

FOREST CARBON MATRIX



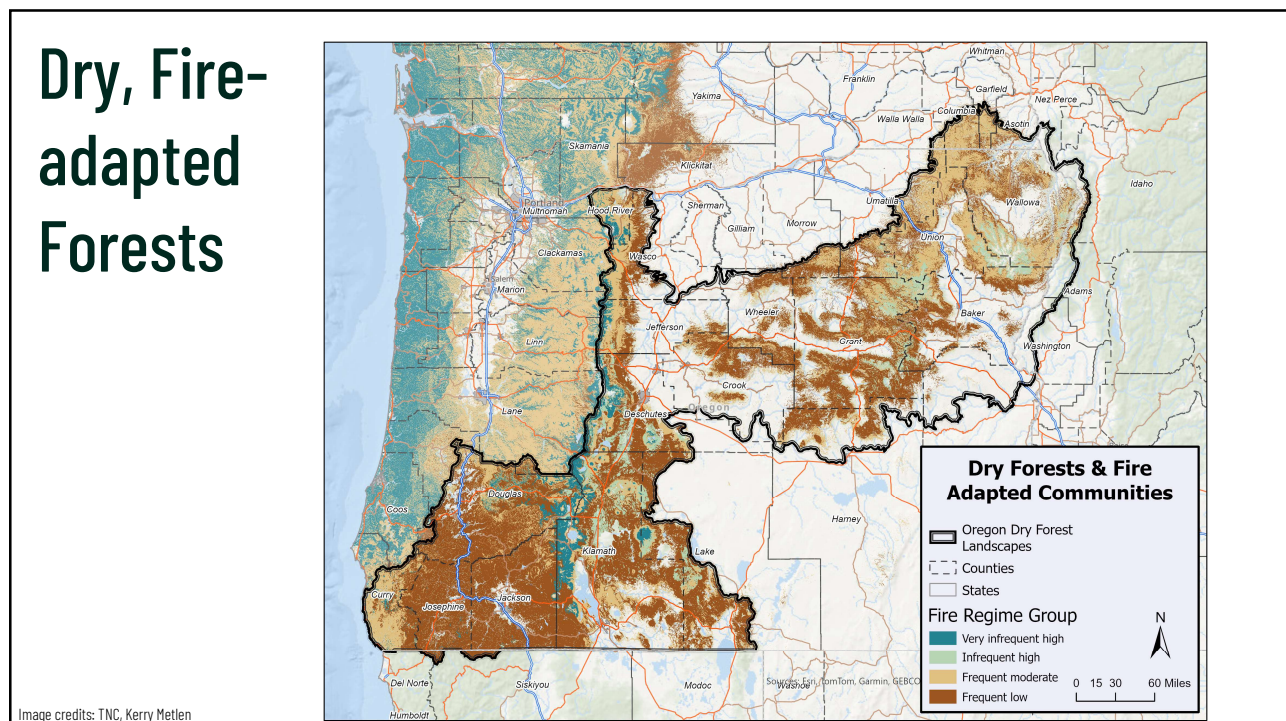
FORESTED LANDS IN OREGON
PRODUCTIVITY AND FIRE RISK MATRIX



4



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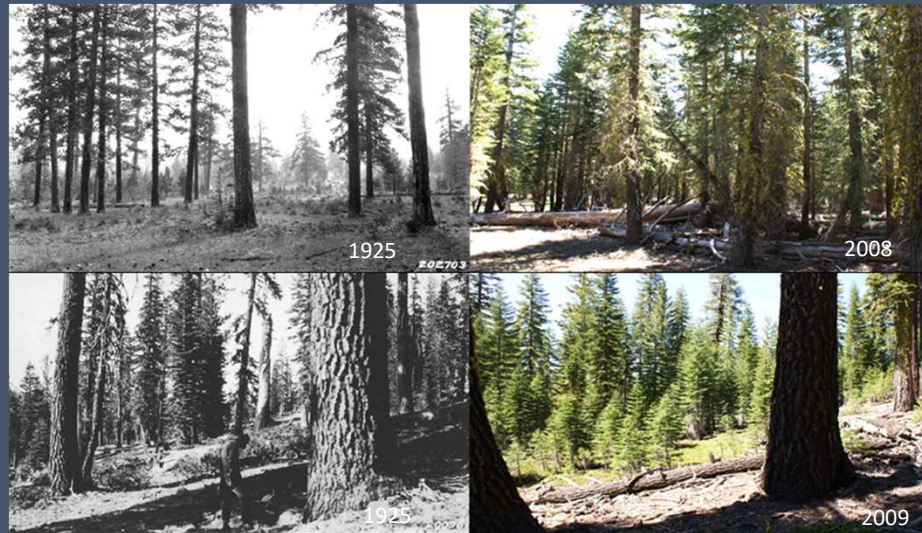
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Shifting Baselines: Forest & Community Risk



Missing Fire

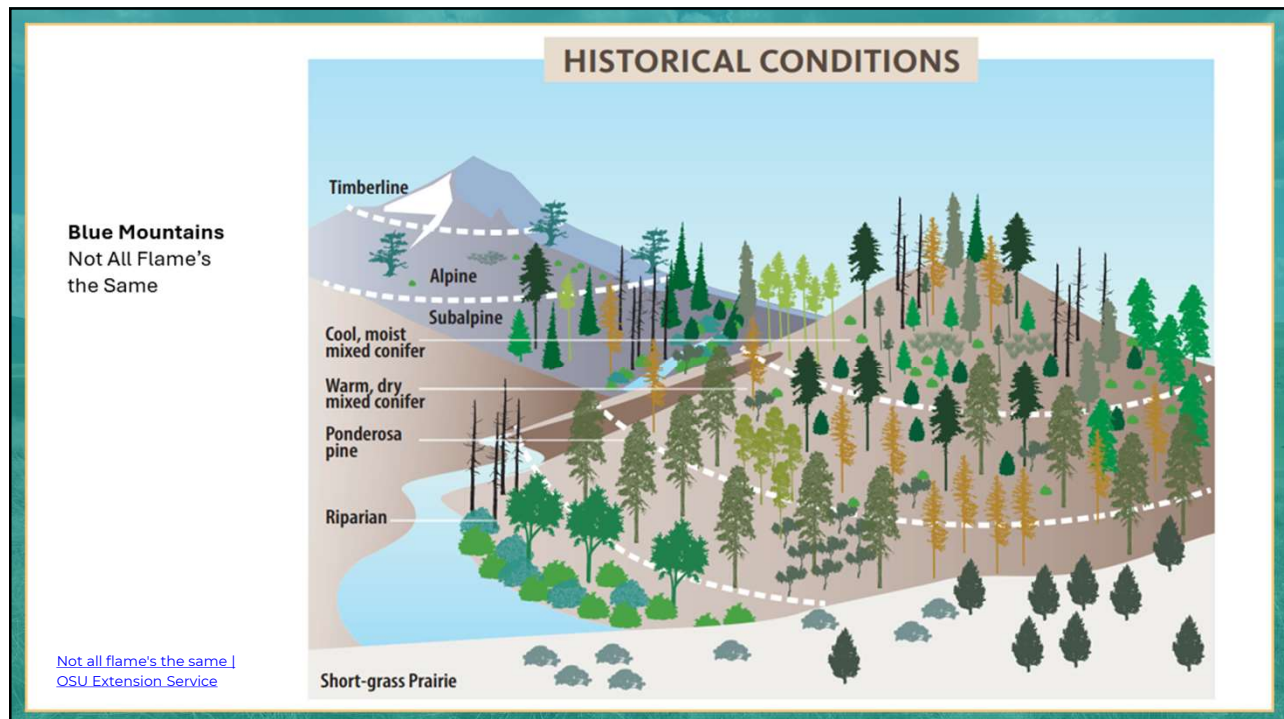
Over 100 years of fire suppression has led to the large, frequent, and high-severity wildfire we see today.



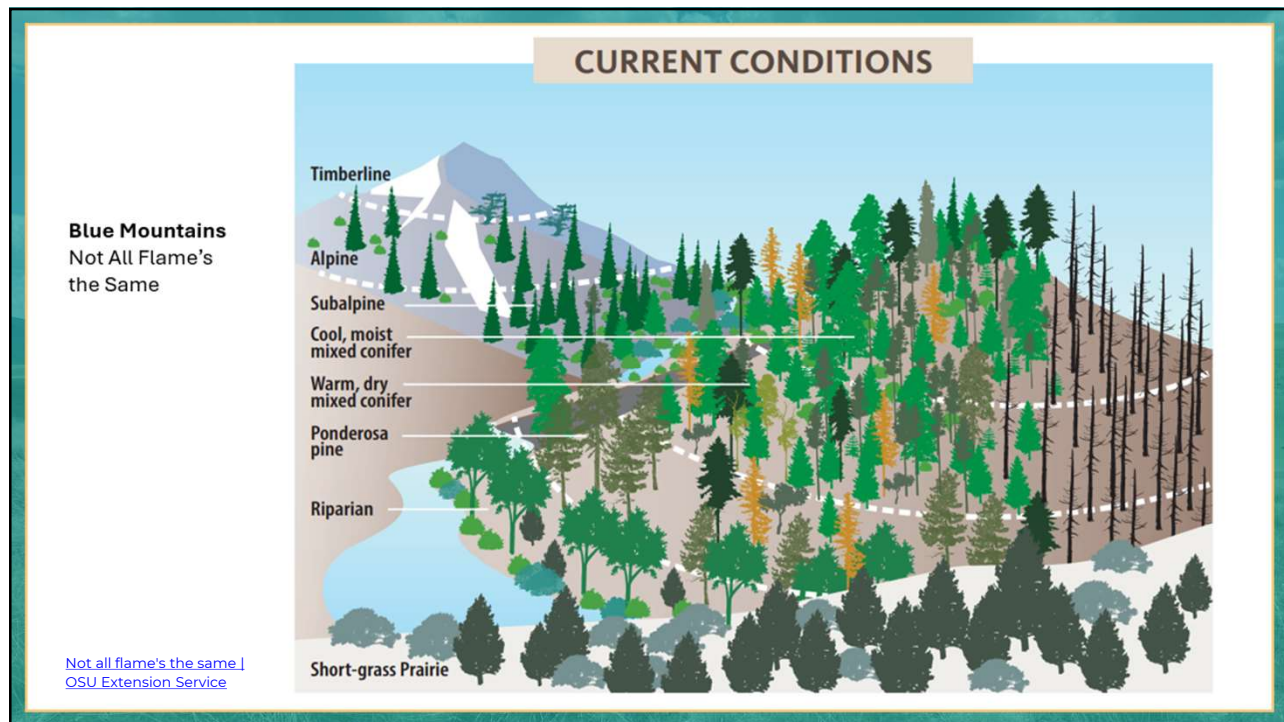
Hessburg, P.F., et al. "Climate, environment, and disturbance history govern resilience of western North American forests." *Frontiers in Ecology and Evolution* 7 (2019): 239.

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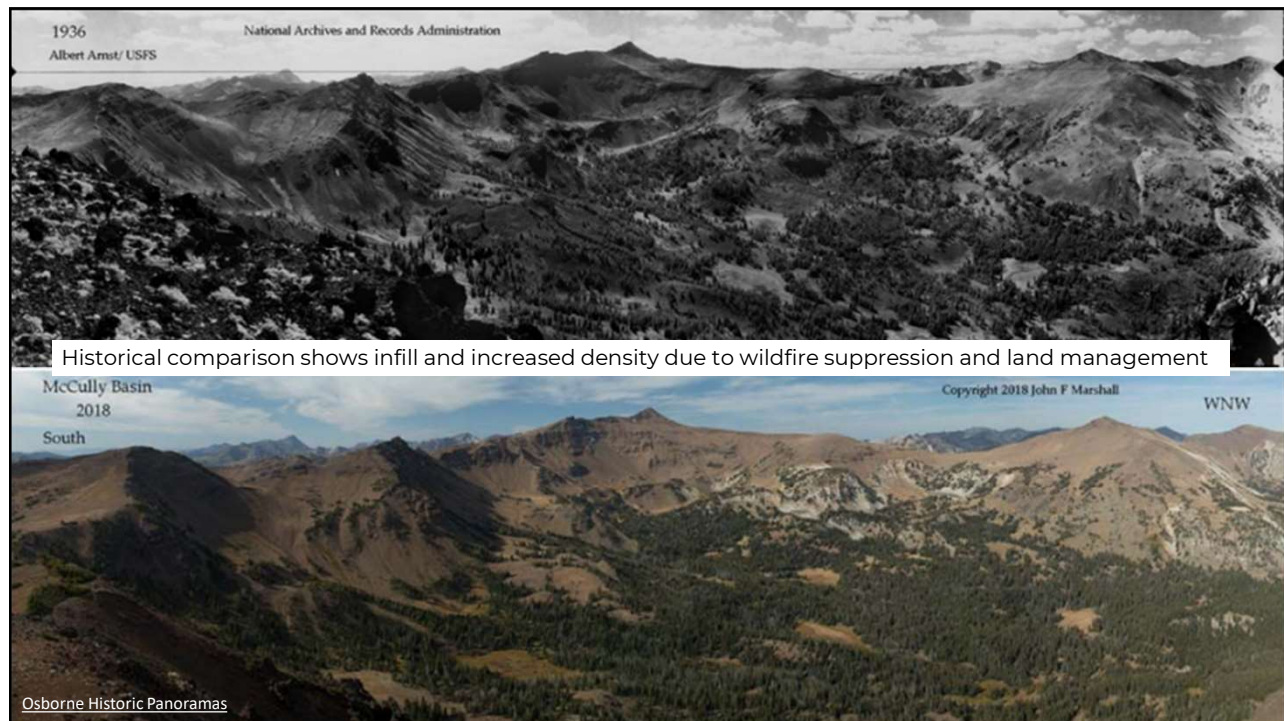
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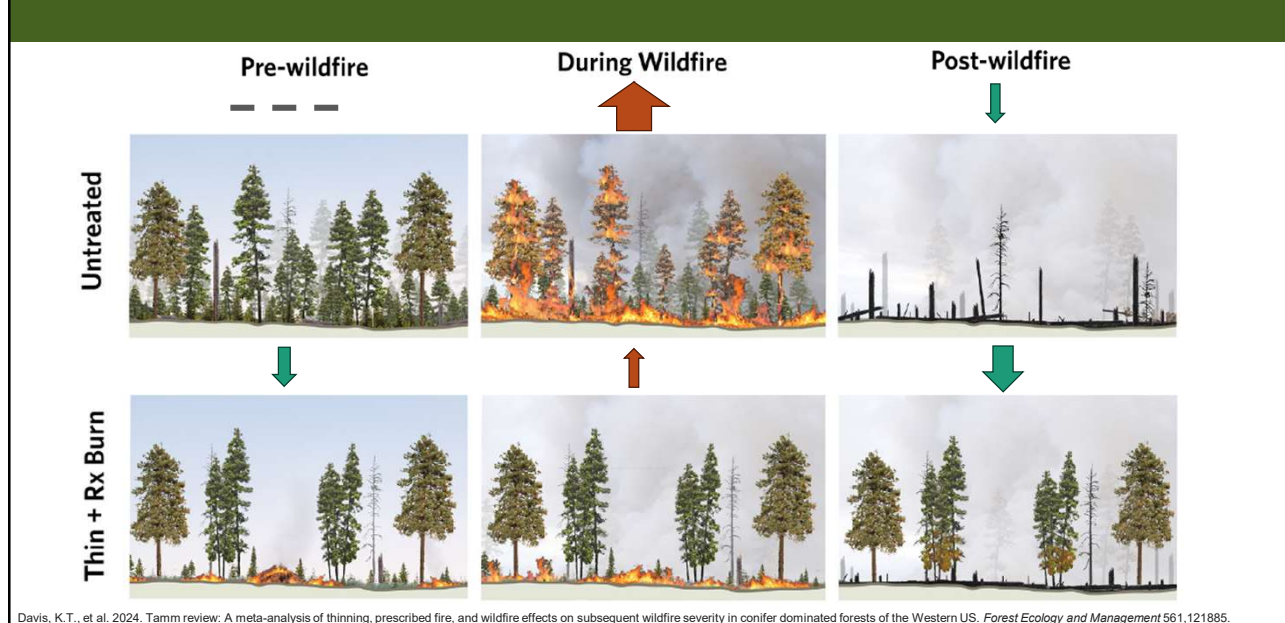
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Restoration In the Real World



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Carbon Dynamics & Wildfire



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Benefits of Prescribed Fire

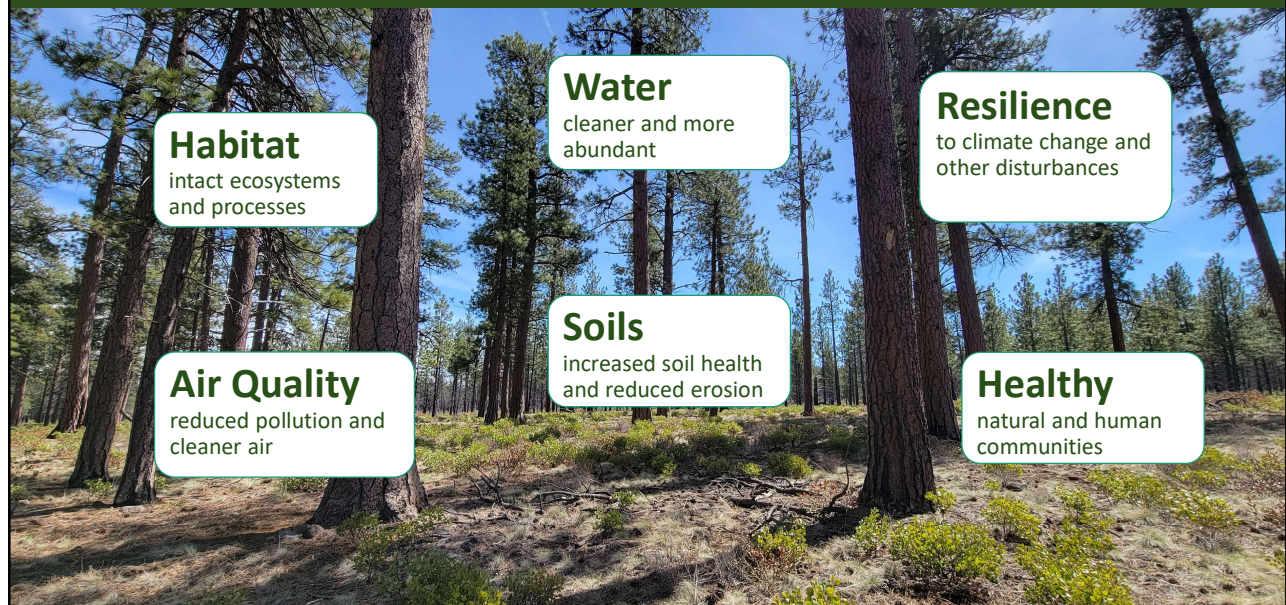


Image credits: Kaci Radcliffe

Image credits: TNC; Kaci Radcliffe

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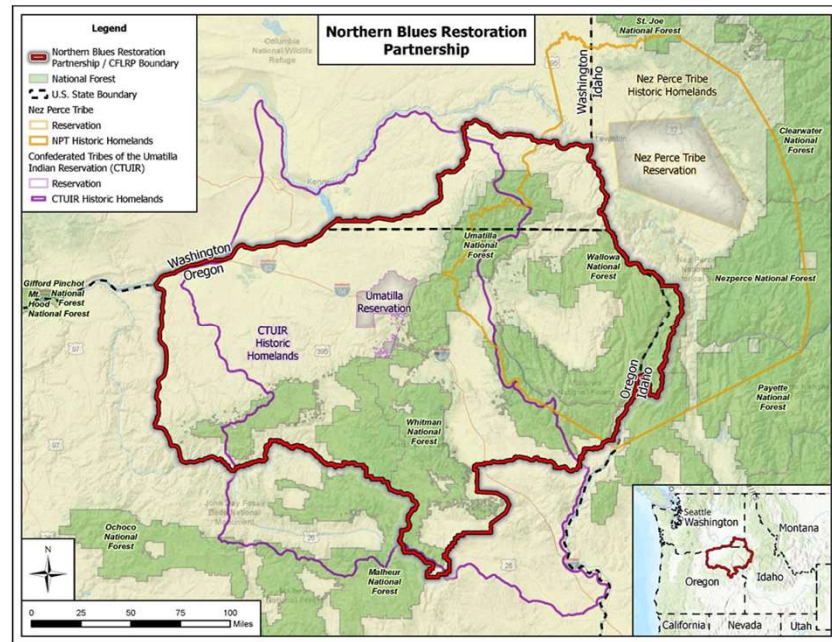
Beyond carbon, local benefits



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Northern Blues Restoration Partnership

- 10+ Million Acres
- 2 Tribes
- 13 counties
- 2 National Forests
- State of OR & WA



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Northern Blues Restoration Partnership

Annual Field Tour
Wednesday, October 22nd | 9:00am - 4:00pm

Join us for our Fall 2025 Annual Field Tour of the 54 North, Indian Lake, and Battle Mountain Projects. This year's tour, hosted by Umatilla National Forest, the Confederated Tribes of the Umatilla Indian Reservation, and local private landowners, explores the benefits of cross-boundary work and the inclusion of First Foods objectives in restoration planning and implementation.

OUR FIELD TOUR GOALS:

- Connect landowners, contractors, and land managers across private, state, federal and tribal lands who could work together who work together to implement cross-boundary projects.
- Explore different restoration projects across Forest Service, Tribal, and private lands, each with a unique set of restoration goals and objectives.
- Learn more about the Confederated Tribes of the Umatilla Indian Reservation's First Foods Vision and reserved treaty rights to hunting and gathering.
- Understand how different organizations and individuals approach cross-boundary work, and the challenges and opportunities in each.
- Provide input on current and future restoration planning.

Carpooling is highly encouraged as there is limited parking at the venue.

Please bring a sack lunch, water, all terrain/weather gear and footwear, hard hat, leather gloves, good boots, and eye protection. If you are in need of any special accommodations, please note them in your registration.

For more information or to RSVP, visit WWW.NORTHERNBLUES.ORG/EVENTS/2025-ANNUAL-TOUR

2026 ANNUAL MEETING
Fire on the Landscape

SAVE THE DATE! Join us for the 2026 Annual Meeting on **February 25-26** at Wildhorse Casino in Pendleton!

This year, attendees will have the opportunity to discuss how **fire - both prescribed and wild - shapes our landscapes and communities**. In panels, small groups, and hands-on activities, we will explore the full fire cycle from proactive work like thinning and preparedness, to cultural burning, post-fire recovery, workforce development, and policy that supports fire-ready forests and communities across all lands.

Learn more and sign up at [Northern Blues Restoration Partnership](http://NorthernBluesRestorationPartnership)

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Additional Resources

- [Western Dry Forest and Fire | The Nature Conservancy](#)
- [Oregon Forests Need Fire | The Nature Conservancy](#)
- [Prescribed Fire Basics | OSU Extension Service](#)
- [Carbon, climate, and natural disturbance: a review of mechanisms, challenges, and tools for understanding forest carbon stability in an uncertain future](#)
- [Tamm review: A meta-analysis of thinning, prescribed fire, and wildfire effects on subsequent wildfire severity in conifer dominated forests of the Western US](#)
- [Managing fire-prone forests in a time of decreasing carbon carrying capacity](#)
- [Rising from the ashes: treatments stabilize carbon storage in California's frequent-fire forests](#)

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Resources and Questions



Learn more
about TNC's work

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