



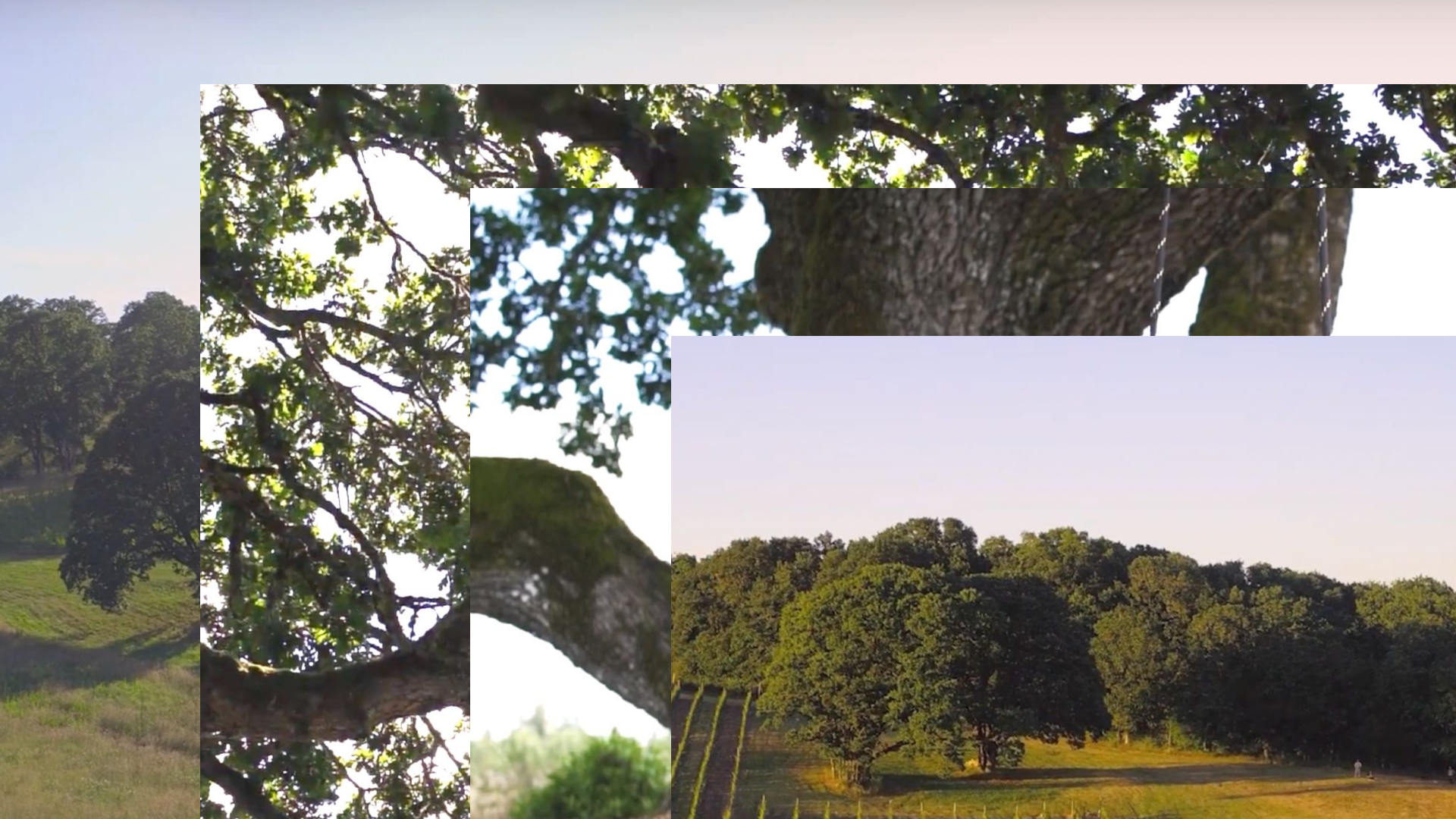
Resilience and Resistance: Why and how to restore Oregon white oak habitat in our shared landscape

Nicole Maness, Willamette Partnership

30 MARCH 2023



start with hope.

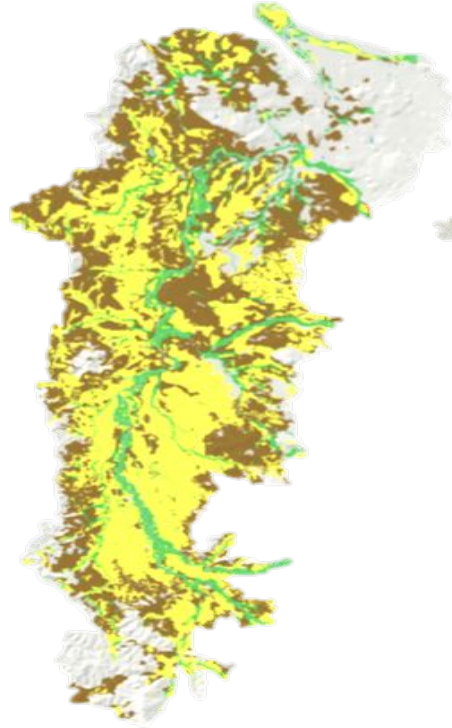




6:27 p.m. Sept. 8: Wildfire smoke as it approached Belle Colline Vineyard, in the Willamette Valley's Chehalem Mountains AVA.

Photo by Carolyn Wells-Kramer

Historic (1850) Distribution of Strategy Habitats



Current (2004) Distribution of Strategy Habitats

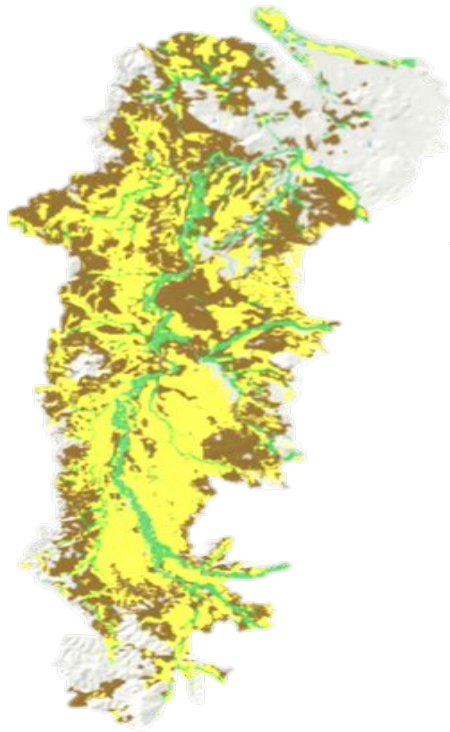


Data Source: Oregon Natural Heritage
Information Center , 2004





Historic (1850)
Distribution of
Strategy Habitats



Current (2004)
Distribution of
Strategy Habitats



Data Source: Oregon Natural Heritage Information Center, 2004



Oregon white oak

Land use conversion

Fire suppression

Invasive species

Lack of recruitment

Private land

Low awareness

No protection

Few programs



Chipping sparrow

Why oak?

Biologically and functionally significant

Highly symbolic of our relationship with
the land



Resilience: successfully coping with and managing the impacts of change while preventing those impacts from growing worse.

Resistance: the capacity of a
(ecological) system to weather
a disturbance without loss of
integrity and function



Oaks in a changing climate

Drought tolerant

Fire resistant

Fire adapted



The Oak Accord

Grassroots response

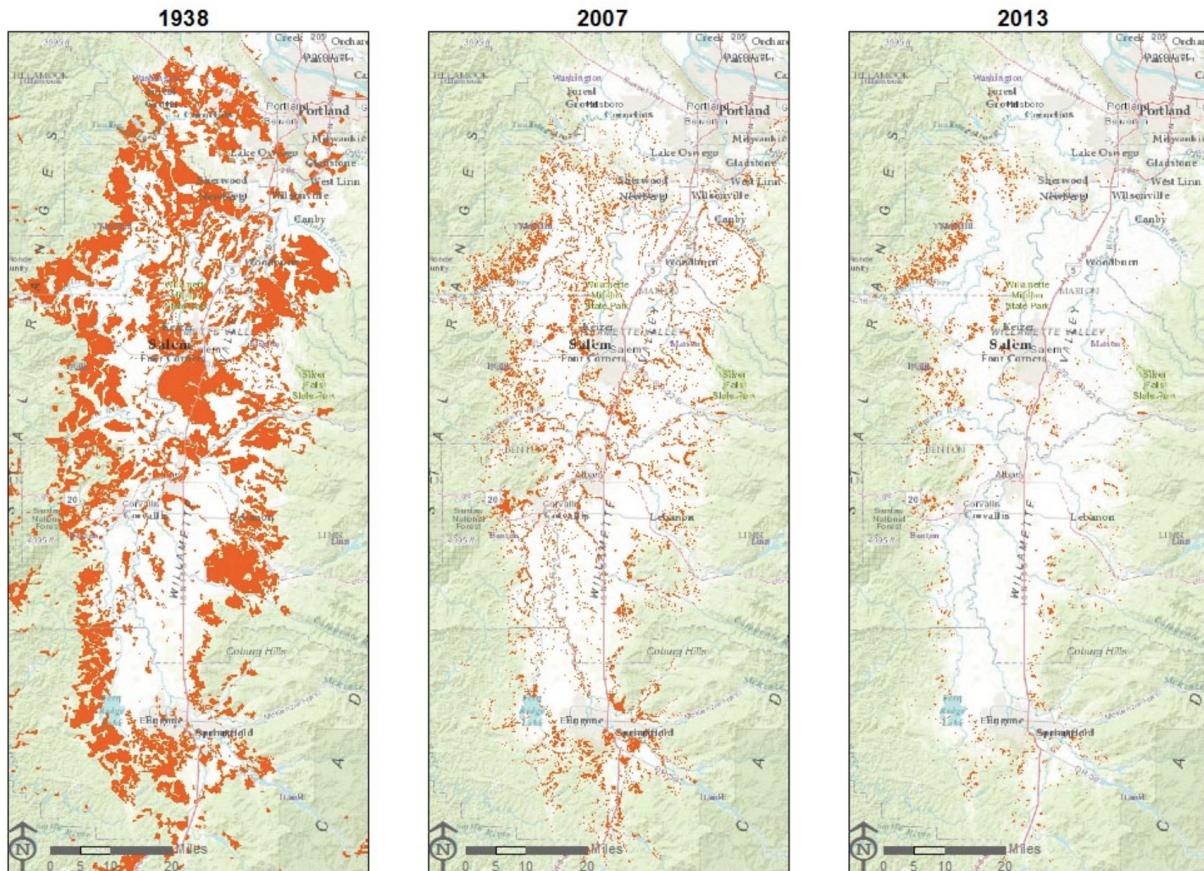
Voluntary commitment

Being part of a solution

Joining a community



Willamette Valley Oak Habitat, 1938-2013

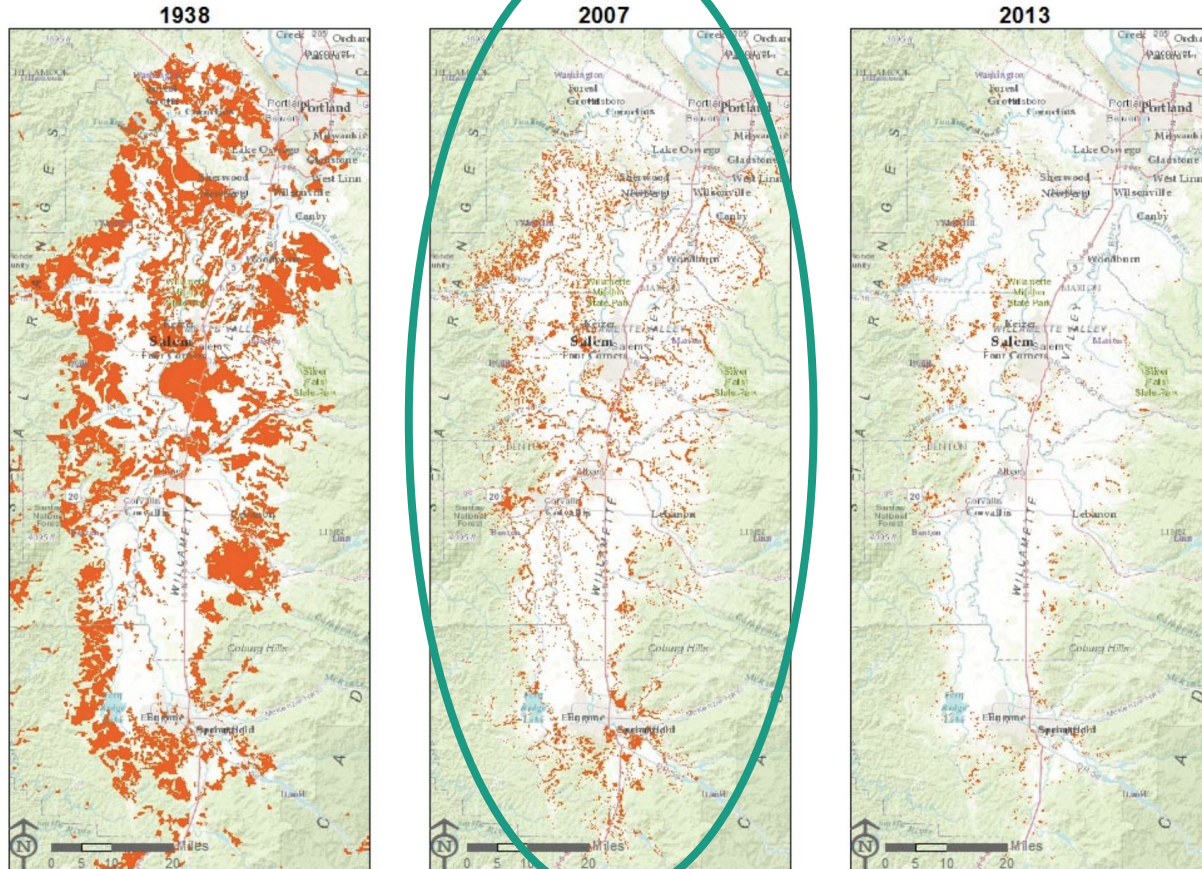


 Oak Habitat

Projection: UTM, zone 10N, NAD 83

Data provided by Esri, DeLorme, USGS, NPS, USFWS, NWHI, and OSU.
Map produced by Laura Wood, Willamette Partnership, August 2016.

Willamette Valley Oak Habitat, 1938-2013

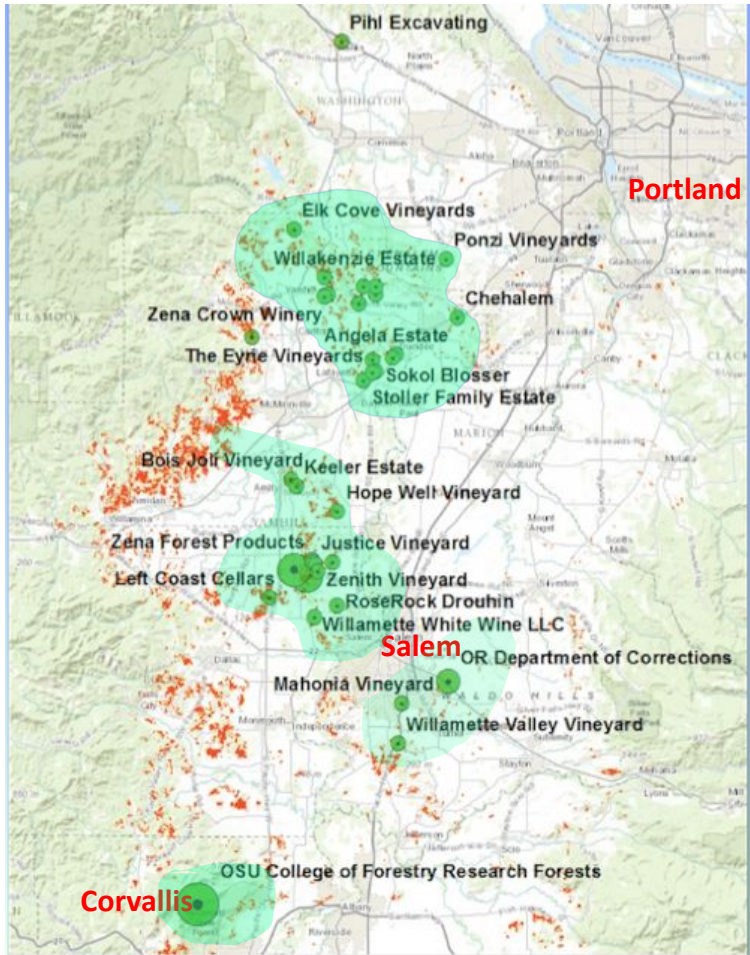


 Oak Habitat

Projection: UTM, zone 10N, NAD 83

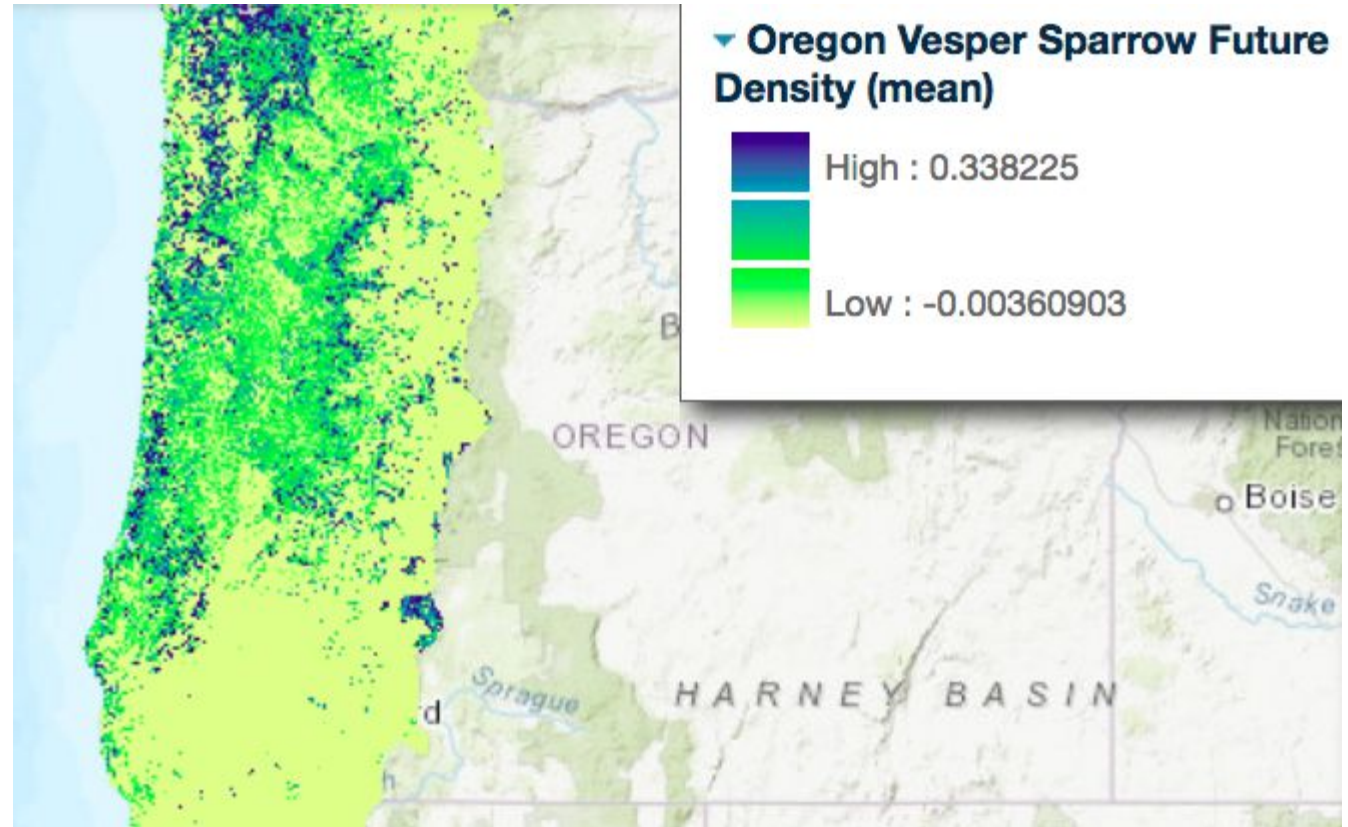
Data provided by Esri, DeLorme, USGS, NPS, USFWS, NWFI, and OSU.
Map produced by Laura Wood, Willamette Partnership, August 2016.

10%
Net
Benefit
Goal



Add-on to public lands
Support new anchor sites

Overlay with
species habitat
targets





An Oregon Icon

Majestic, and at times massive, the oak tree is what comes to mind when you picture the valley vistas of western Oregon. These iconic trees aren't just beautiful; they are the lifeline for hundreds of animal and plant species – including wine grapes. Oregon white oaks and the native plants that surround them maintain the healthy, productive soils that give Willamette Valley wines their distinctive terroir. But the Valley's oaks are disappearing.

Oaks

Fire suppression, urban and rural residential development, and conversion of native habitat to agricultural production has reduced the Valley's oak population by more than 97% in the past two decades alone. Close to 100,000 acres of native habitat has been cleared for new homes, business, and agriculture putting at risk the foundation of our agricultural wealth. Nearly all the Valley's remaining oaks are located on private property. And the good news is, landowners are realizing the value of Oregon's oaks and are working to bring them back from the brink.

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Oaks Under Threat

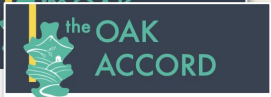
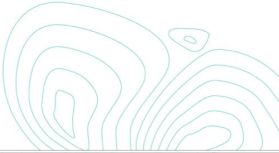
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Landowners Take Action

Over 50 of your neighbors – including some of the Valley's most exclusive wineries – have signed onto the Oak Accord, a growing network of landowners demonstrating how the management of vineyards, farms, and forestland can take place in harmony with healthy oak habitat. Oak Accord signatories have access to oak conservation resources and like LIVE or Salmon Safe certifications, the Oak Accord helps discerning customers identify the brands that fit with their values around sustainability.

What You Can Do

Before you start developing, let our experts help you define the parts of your property that can be maintained as habitat while at the same time enhancing your agricultural success and your public relations.



We (VINEYARD/WINERY) are a member of the Oak Accord.

The Oak Accord is a voluntary program that was started by landowners and land managers in the Willamette Valley to conserve oak habitat.

As a member of the Accord, we've pledged to do our part to conserve the Valley's dwindling Oregon white oak habitat because we know how vital these trees are to the native plants and animals that depend on them, and to the health of our vineyard.

Oak trees and the native plants that grow around them keep our soils rich and productive and are an important part of our wine's distinctive terroir.

With help from the Oak Accord partners, we have (check all that apply):

- Completed an assessment of all the oaks on our property and made a plan for how to protect and restore existing oak habitat
- Identified areas where we might plant new trees
- Started oak restoration projects and are tracing the results of our conservation efforts

For more information about oak or The Oak Accord, visit willamettepartnership.org/oak-accord



Oak woodlands and savannas are integral to the landscapes and agricultural bounty of the Willamette Valley. They are essential allies in our response to climate change. But they are in peril.

We are proud to be a signatory to the Oak Accord, doing our part to protect and restore these habitats and ensure a sustainable future for our business and our community.

Small, illegible text at the bottom of the brochure, likely a list of signatories or contact information.

Oak Restoration



Overstory invasives

Competition/crowding

Understory invasives

Oak Restoration



Overstory invasives

Competition/crowding

Understory invasives

Oak Thinning/Release

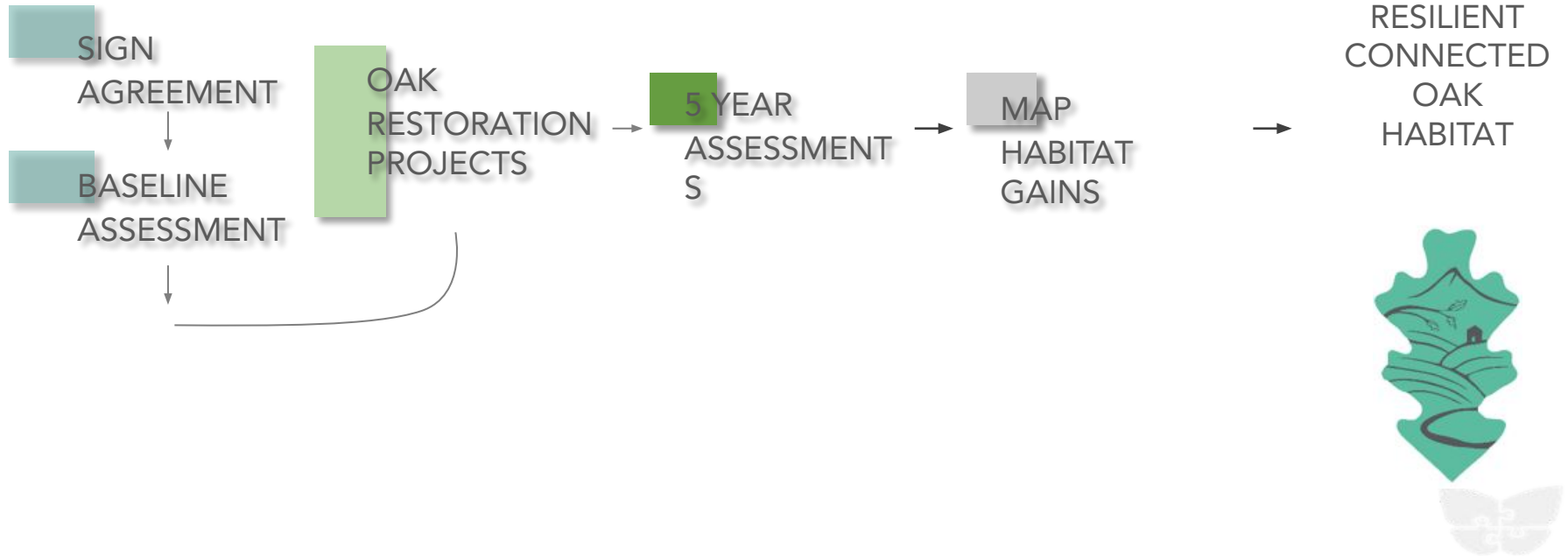


Oak Establishment

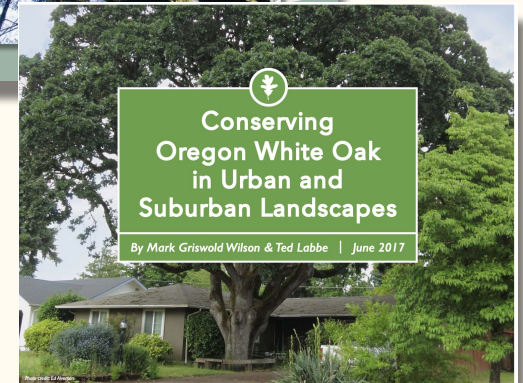
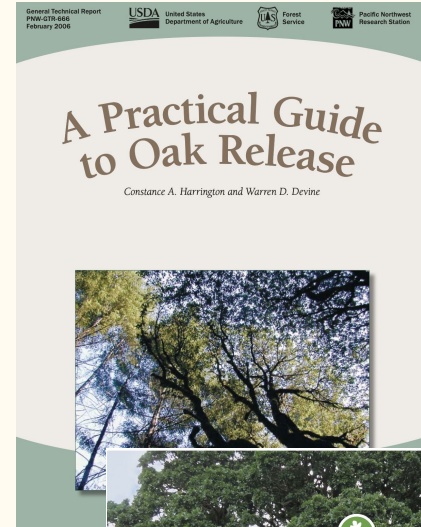
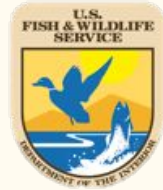




PROCESS



TECHNICAL & FINANCIAL SUPPORT



CURRENT CHALLENGES

Fragmented landowner resources

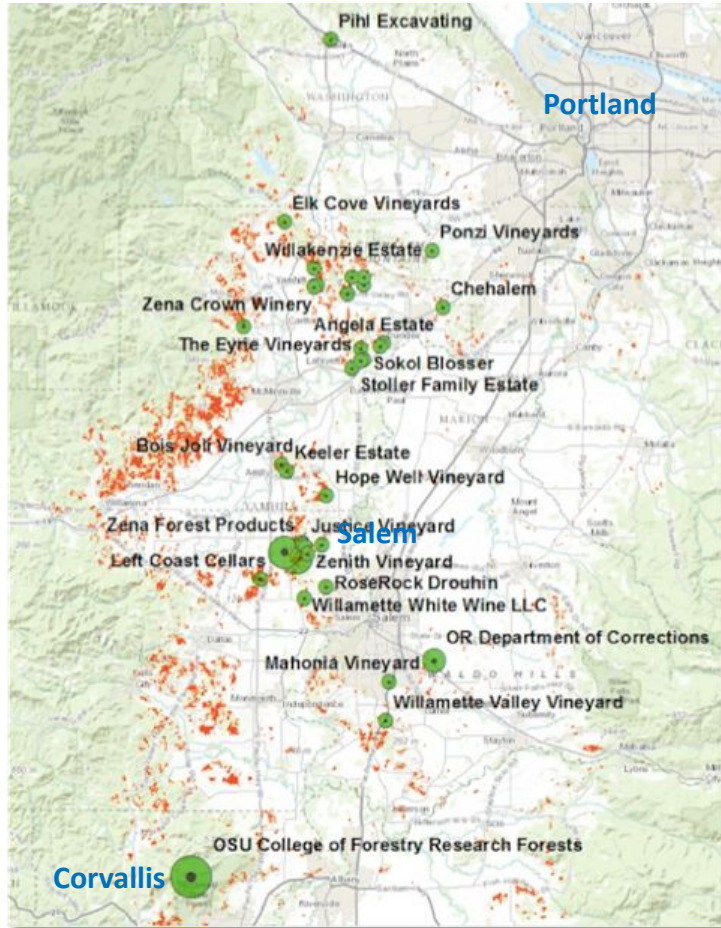
Lack of incentives

Undervaluation of oak



back to hope.

OAK ACCORD SIGNATORIES



- Adelsheim Vineyard
- Angela Estate
- Apolloni Vineyards
- Bergström Wines
- Bethel Heights Vineyard
- Bois Joli Vineyard
- Brick House Vineyard
- Carabella Vineyard
- Chehalem
- Cristom Vineyards
- Deux Verts
- Domaine Drouhin OR
- Elk Cove Vineyards
- Fairsing Vineyard
- Gran Moraine Vineyard
- Gran Moraine Winery
- Heritage Seedlings
- Hope Well Vineyard
- Hyla Woods
- Hyland Estates
- Justice Vineyard
- Keeler Estate
- Koosah Farm
- La Randonee
- Left Coast Cellars
- John & Betsy Messer
- Mahonia Vineyard
- Natalie's Estate
- OR Department of Corrections
- OR Department of Public Safety
- OSU College of Forestry Research Forests
- Penner-Ash Wine Cellars
- Pihl Excavating
- Ponzi Vineyards
- Quackenbush Farms
- Ribbon Springs Vineyard
- RoseRock Drouhin
- Sokol Blosser
- Soléna Estate
- Soter Vineyards
- Stoller Family Estate
- The Eyrie Vineyards
- Willakenzie Estate
- Willamette White Wine
- Willamette University
- Willamette Valley Vineyard
- Zena Crown Vineyard
- Zena Crown Winery
- Zena Forest Products
- Zenith Vineyard

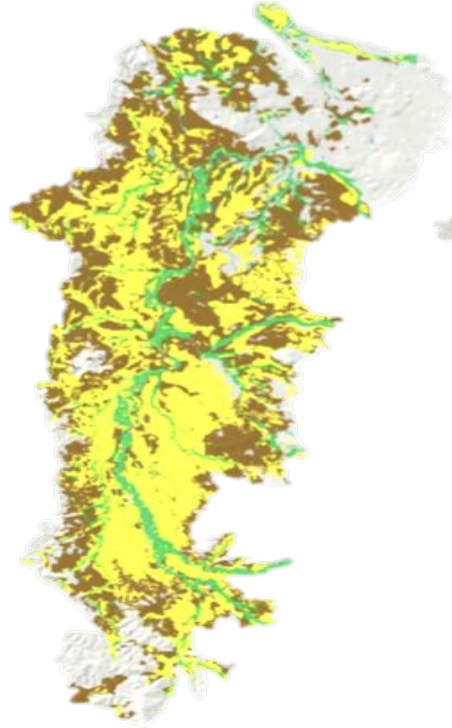


Sustainable
Northwest
WOOD



10% for Oak
Restoration

Historic (1850) Distribution of Strategy Habitats



Current (2004) Distribution of Strategy Habitats



Data Source: Oregon Natural Heritage
Information Center , 2004





PLANTING THE NEXT GENERATION
OF OREGON WHITE OAKS

CULTIVATING THE NEXT
GENERATION OF OAK STEWARDS



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