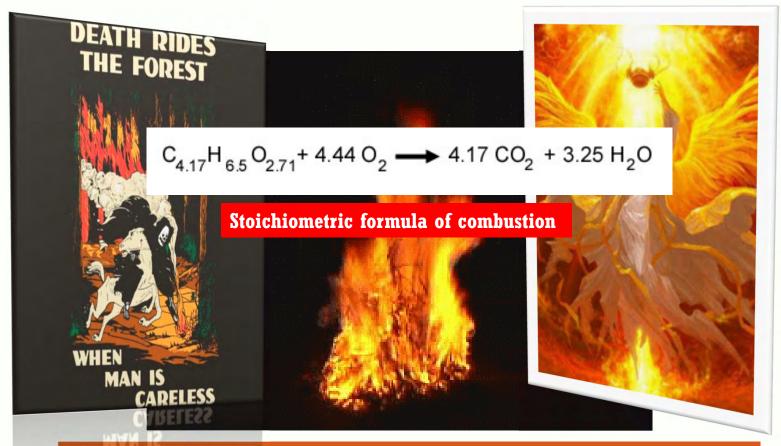
COLLEGE OF FORESTRY

AN INITIATIVE DESIGNED TO PROTECT LIVES, PROPERTY, AND THE ENVIRONMENT THROUGH EDUCATION, OUTREACH, RESEARCH, AND LANDSCAPE MANAGEMENT







FIRE IS JUST A CHEMICAL REACTION, and VERY PREDICTABLE.

(A FORCE OF NATURE – a GREAT CONSTANT)

STEP 1: IDENTIFY A NEED



Comparison of Room Furnishings

Legacy Room

Modern Room



03:50





Subdivision in Santa Rosa destroyed by fire

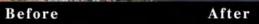






Home in Gatlinburg







STEP 2: ORGANIZATIONAL INFRASTRUCTURE

ROLE OF OSU EXTENSION

To learn about the latest techniques and science in natural resource management, and then, through educational programs and materials, transfer this knowledge to our client groups...

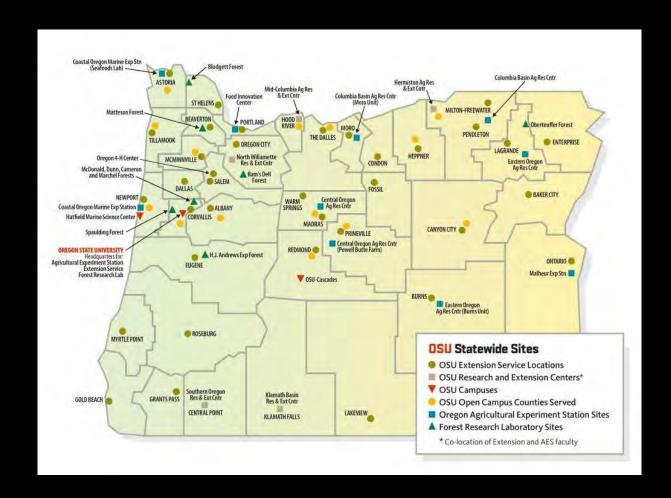
...such as forest owners, foresters and other natural resource managers, Christmas tree growers, loggers and forest workers, etc.







AGENTS AND SPECIALISTS STATIONED THROUGHOUT OREGON



OSU EXTENSION: COLLEGE OF FORESTRY CORE CURRICULA AND PROGRAMS

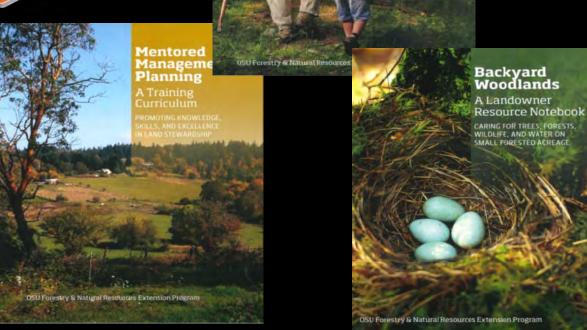
Ties to

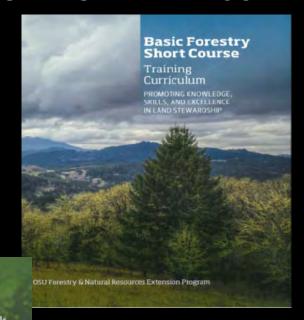
the Land

Your Family Forest Heritage

A GUIDE TO SUCCESSION PLANNING FOR AN ORDERLY TRANSITION



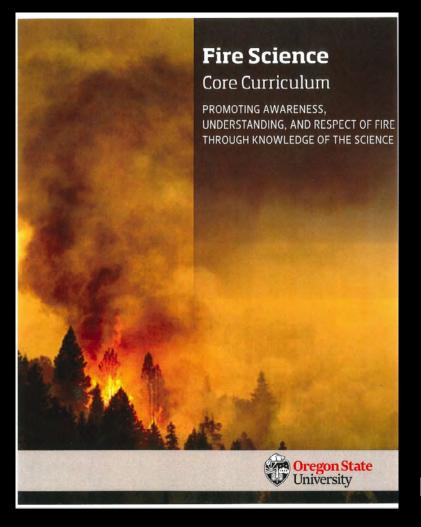




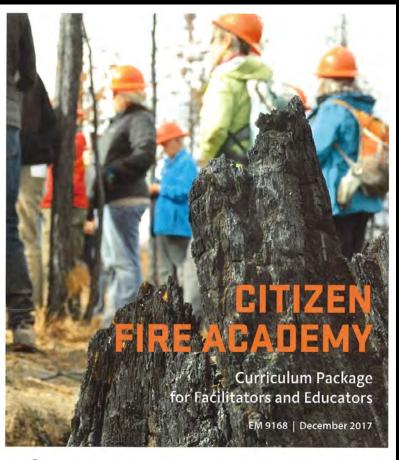




https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/em9168.pdf



STEP 4:
DEVELOP
EDUCATION
AND
OUTREACH
MATERIALS





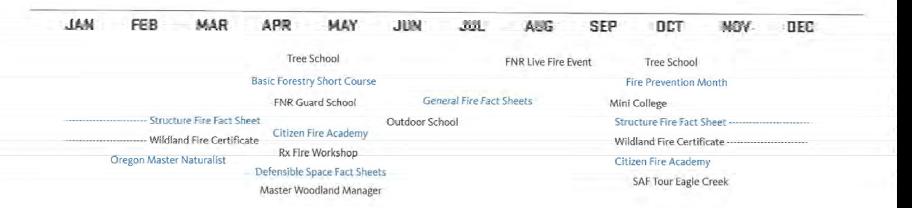
OSU Forestry & Natural Resources Extension Program

https://catalog.extension.oregonstate.edu/em9172

STEP 5: NEEDS ASSESSMENT AND A PLAN

Schedule

Conferences | Workshops | Handouts | Canned Presentations | Newsletters | Ted Talk | Videos | Webinars | Social Media | Website



- 1. Establish new and strengthen existing partnerships;
- 2. Accelerate improvements in resource management and fire response practices;
- 3. Secure technical assistance;
- 4. Coordinate access to resources and information across jurisdictions;

- 5. Facilitate closer coordination between public land managers and private landowners focused on pre-hazard mitigation planning activities (including harvest/thinning and prescriptive burning);
- 6. Foster, assist, and support existing collaborative landscape management efforts across the State; and
- 7. Deliver fire-related education and outreach among multiple stakeholders that account for local risks and hazards, conditions, values, and interests relating to fire-prone landscapes and watersheds and to at-risk communities within identified landscapes.

STEP 6: **PILOTS AND PROOF OF CONCEPT**

A. LANDSCAPE, CROSS-**BOUNDARY PROJECTS**

Landscape Scale Cross-Boundary Projects – A Step by Step Process

- Form a Partnership
- Identification of a Landscape (NEPA-ready)
- 3. Landowner Outreach and Education
- 4. Mapping and Inventory
- 5. Support to Private Landowners
- 6. Grant Writing for Implementation
- 7. Agreements
- 8. Implementation
- 9. Ecological, Social, and Economic Benefits

Mission:

To facilitate restoration projects on public and private forestland in Klamath and Lake Counties through education outreach and diverse partnerships.



KLFHP MISSION STATEMENT:

To facilitate restoration projects on public and private forestland in Klamath and Lake Counties through education, outreach and diverse partnerships.

HISTORIC



EXISTING



DESIRED

































using the rilthp as the common,

> NEUTRAL PLATFORM

WORKING TOGETHER WITH A



OVERCOMING THE BARRIERS BETWEEN AND AMONG FORM INNOVATIVE
AGREEMENTS or
MOU'S

Pussue technological advancements & tdentify priority landscapes Advancements & developments & tdentify landscapes Advancements & developments & the total lands all Lands & total lands

TO MAKE A DIFFERENCE ON THE GROUND Project Implementation

Desired Outcome

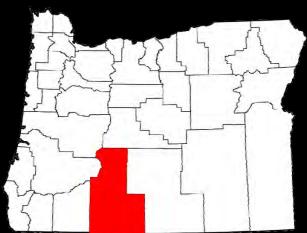


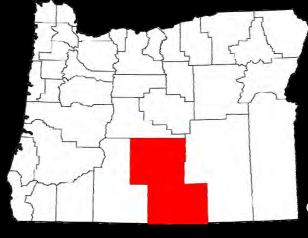
62 million acres 25 million hectares



4 million acres

1.6 million hectares





5 million acres

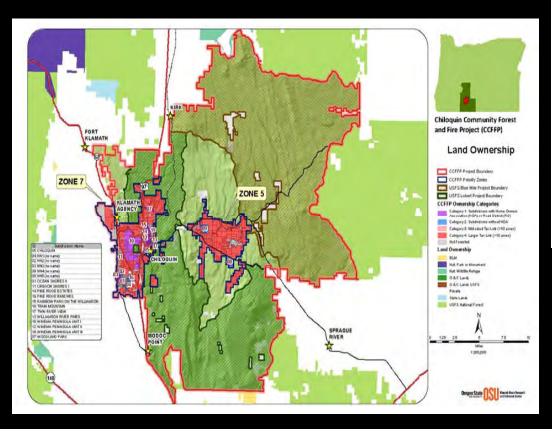
2 million hectares

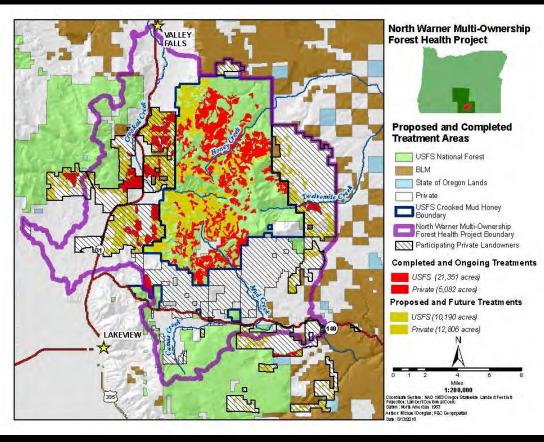
OREGON STATE UNIVERSITY 24

2017 & 2018 Completed: 8700 hectares public and 2100 hectares private

150,000 acres **35,000** acres

60,000 hectares **14,000** hectares





110,000 acres

150,000 acres

45,000 hectares

15,000 hectares

North Warner Forest Health Multi-Ownership Forest Health Project







A Process that Works for Simple to Complex Projects

Simple Landscape

Case Study #1: North Warner Forest Health Multi-Ownership Forest Health



Primary Objectives:

- 1. Forest Health
- 2. Wildlife Habitat
- 3. Livestock Grazing



Acres and Landowners

32,000 Acres of Private Land 25 Landowners 0 Subdivisions



Complex Landscape

Case Study #2: Chiloquin
Community Forest and Fire Project



Primary Objectives:

- 1. Wildfire Risk Reduction
- 2. Safety of Communities
- 3. Forest Health



Acres and Landowners

32,000 Acres of Private Land 2,850 Landowners 8 Subdivisions



Successful Cross-Boundary Landscape Scale Project

Chiloquin Community Forest and Fire Project





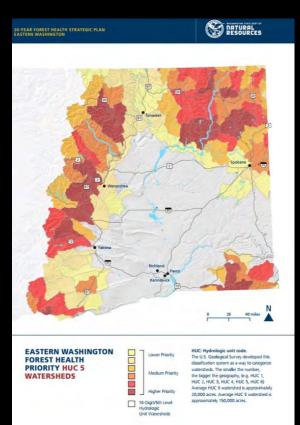


Planning and Implementing Cross-Boundary Landscape Scale Restoration and Wildfire Risk Reduction Projects:

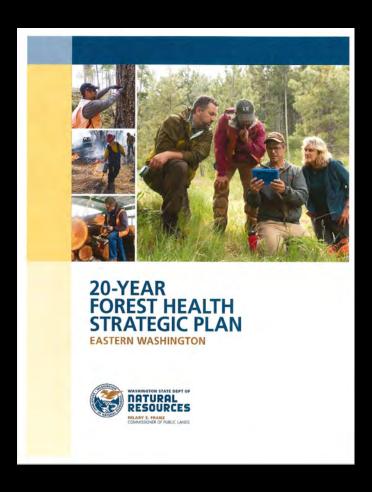
A Guide to Achieve the Goals of the National Wildland Cohesive Strategy.

Leavell, Daniel, A. Markus, C. Bienz, K. Carlsen, E.J. Davis, M. Douglas, D. Ferguson, L. Fledderjohann, K. Johnson, N. Livingston, J. Pettigrew, G. Rogers, M. Schreder, D. Shoun, L. A. Vradenburg. 2018. In Press.





B. STATE-WIDE RISK ASSESSMENT http://southgpc.org/2017 /11/03/20-year-foresthealth-strategic-planeastern-washington/

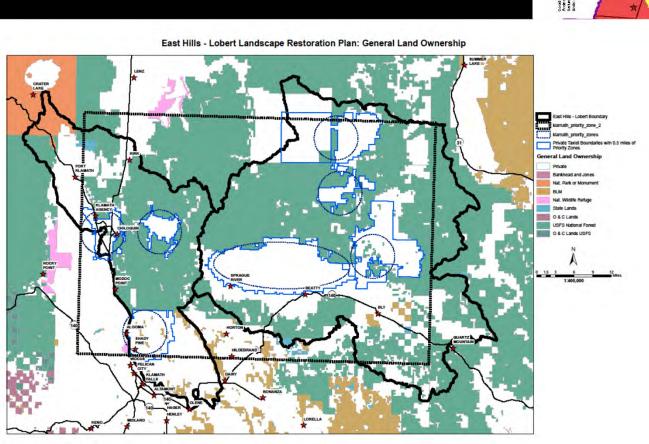


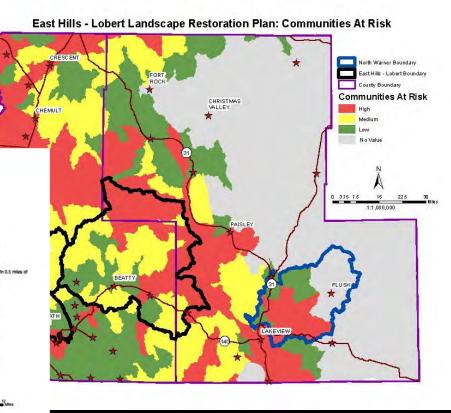
http://oregonexplorer.info/topics/wildfire-risk?qt-subtopic_quicktab=4&ptopic=62



Rick Stratton, U.S. Forest Service Fire Analyst and Manager of the Pacific Northwest Quantitative Wildfire Risk Assessment

PRIORITIZE RISK





Three Goals:

- 1. Resilient Landscapes
- 2. Fire Adapted Communities
- 3. Safe and Effective Wildfire Response



Vision: To safely and effectively extinguish fire when needed; use fire where allowable; manage our natural resources; and as a nation, to live with wildland fire.



C. NEED FOR RESEARCH

HOMES AS FUEL: DO WE NEED A NEW FIRE BEHAVIOR PARADIGM?











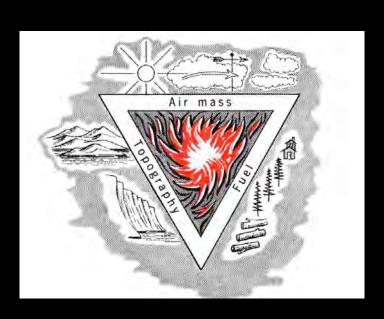




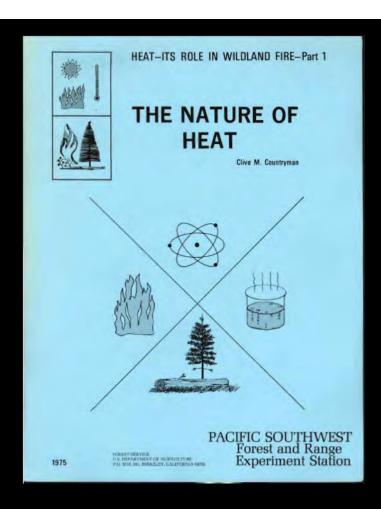


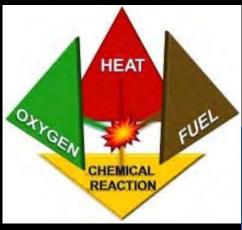
https://robinkraft.github.io/norcal-firesimagery/compare.html/robinkraft.github.io/norcal-fires-imagery/compare.html

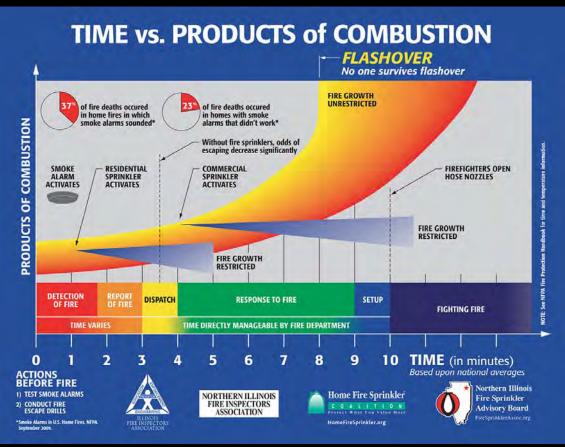
> "If we didn't have the winds, we wouldn't have had these issues," Lowenthal said.



















THANK YOU FOR LISTENING

QUESTIONS?