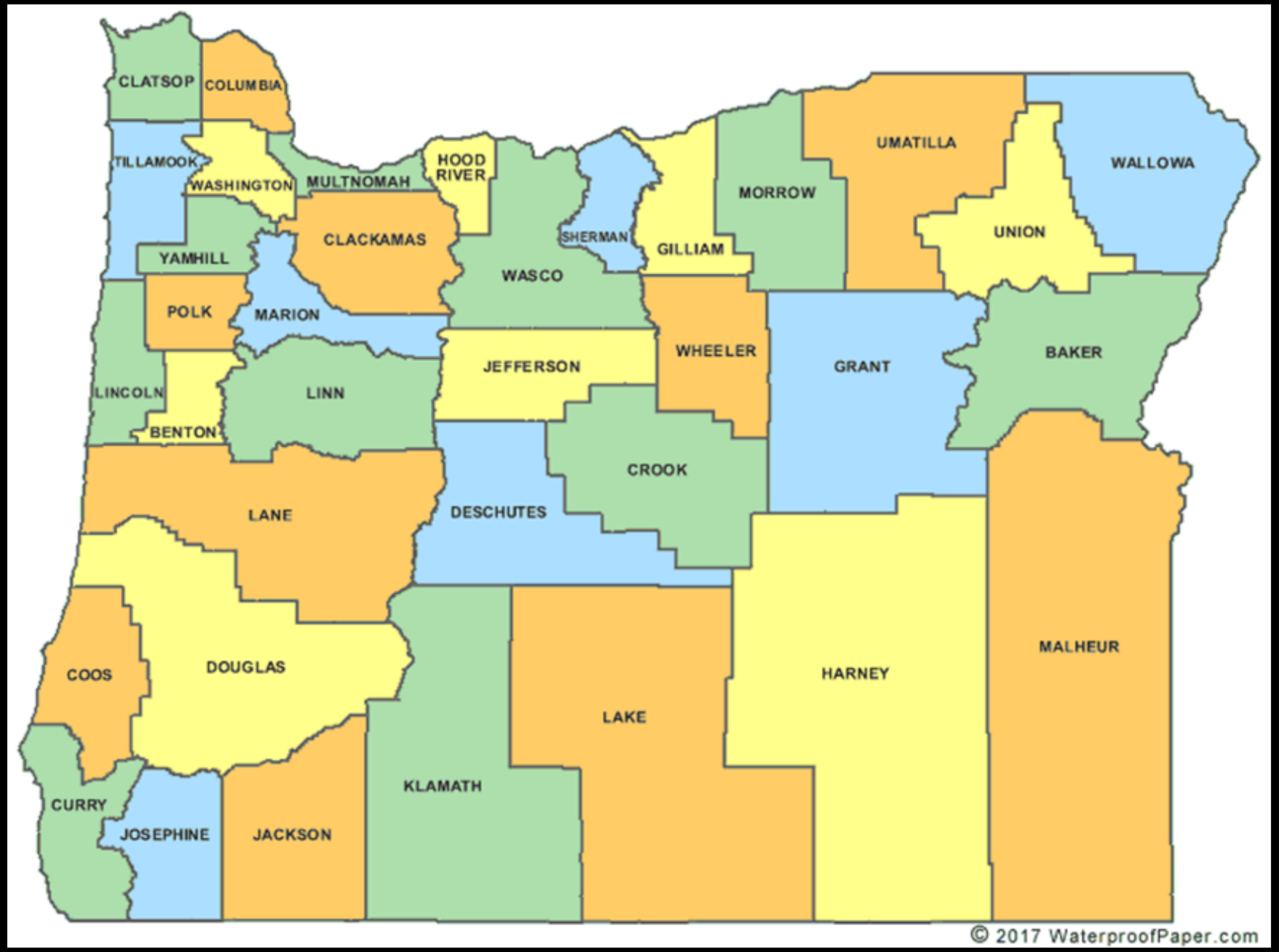
LARGE LANDSCAPE PROJECTS of the KLAMATH LAKE FOREST HEALTH PARTNERSHIP

DANIEL LEAVELL, ASSISTANT PROFESSOR OF PRACTICE,
COLLEGE OF FORESTRY

Oregon State University



Klamath County:
4 million acres

Lake County:
5.4 million acres

STARTS WITH A PARTNERSHIP

KLAMATH-LAKE FOREST HEALTH PARTNERSHIP

***KLFHP Mission*:**

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

Our local forestry and fire professionals can work with you to enhance and protect your property!

Chiloquin Fire & Rescue

Oregon State University

Klamath Watershed Partnership

Watershed Councils

Forest Service U.S. Department of Agriculture

United States Department of Agriculture Natural Resources Conservation Service NRCS

Oregon Department of Forestry

Wildland Fire Technologies, Inc.

National System of Public Lands

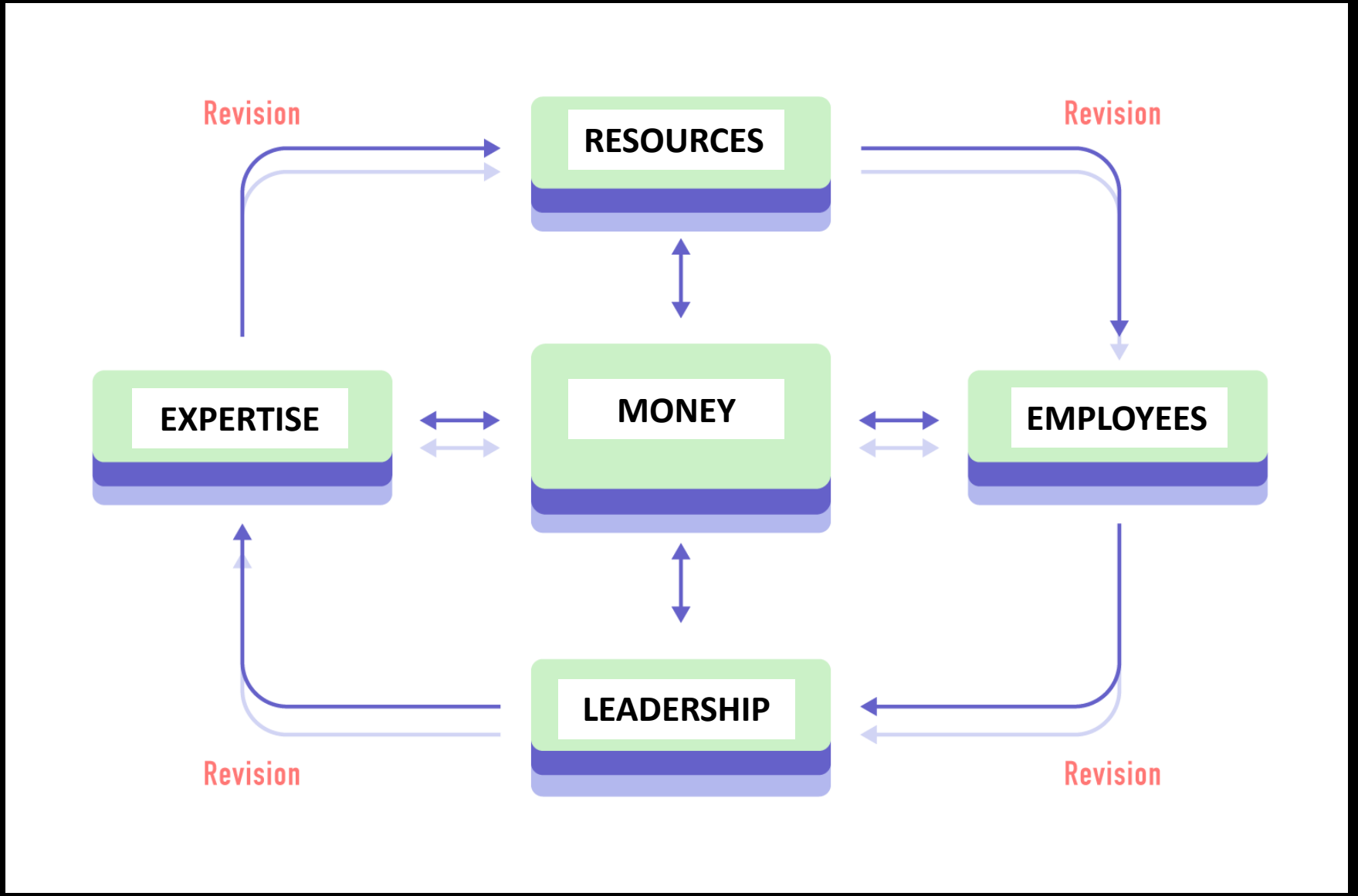
Oregon Small Woodlands Association

The Nature Conservancy

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

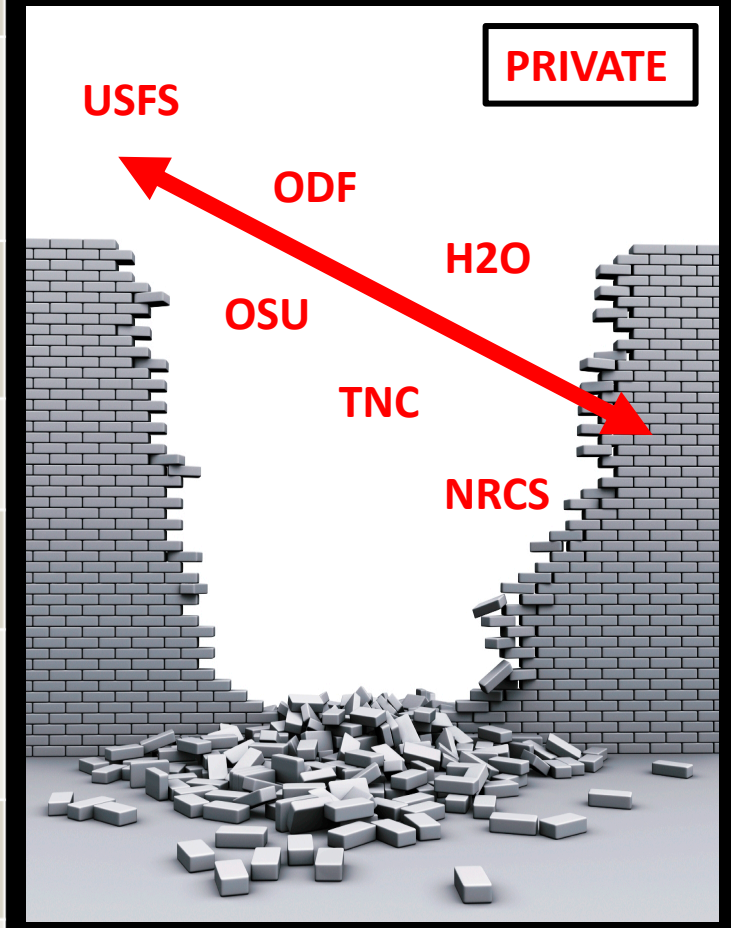
1. Form a Partnership
2. Identification of a Landscape (NEPA-ready)
3. Landowner Outreach and Education
4. Mapping and Inventory (private land)
5. Support to Private Landowners
6. Grant Writing for Implementation
7. Agreements
8. Implement Projects on the Ground (economy of scale)
9. Ecological, Social, and Economic Benefits

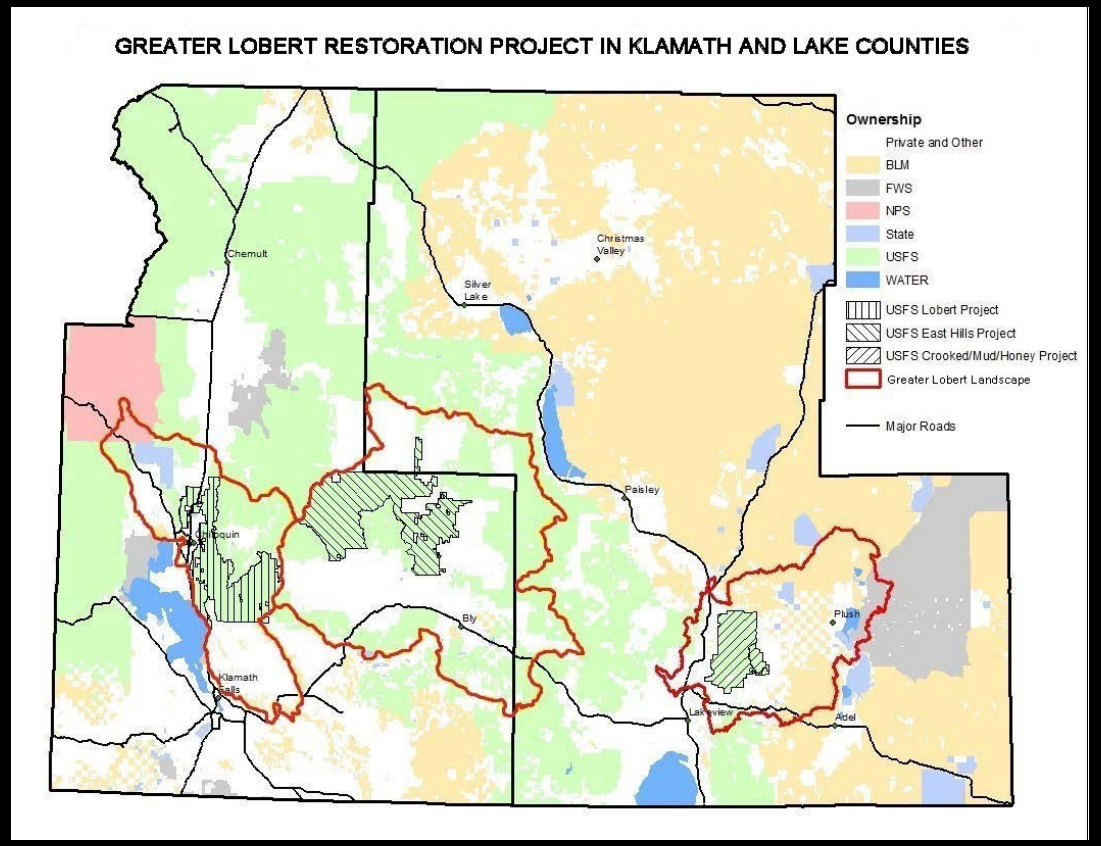
FLOW OF RESOURCES FOR EFFICIENCY

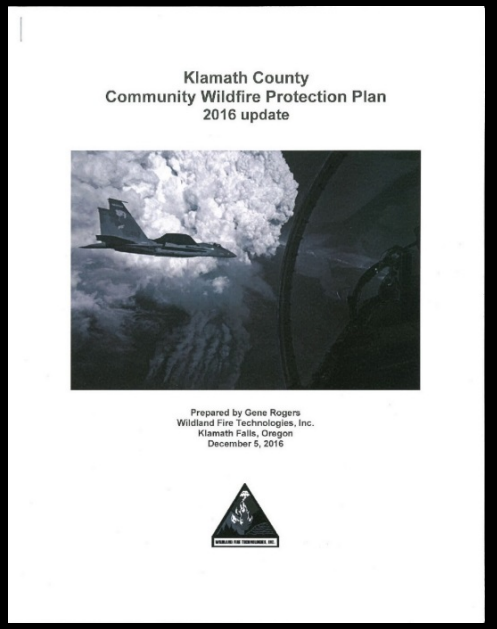


AGREEMENTS

Organization	Mechanism	Purpose
NRCS	Joint Chiefs Funding Fiscal Administration	Private Land – Project Treatment Funding
NRCS - ODF	Utilization of Joint Chiefs Funding for Planning & Implementation Assistance	Landowner Outreach, Private Land Restoration Prescriptions & Treatments
ODF	Landowner Outreach, Grant Funding, Grant Administration, Planning, Contracting	Forest Health Treatments and Implementation on Private Lands
ODF - USFS	ODF Assistance to USFS	Forest Health Prescriptions & Restoration Treatments
ODF - WSC	ODF Assistance to WSC	Forest Health Prescriptions & Treatments
WSC	Landowner Outreach, Grant Writing, Fiscal Administration, Planning, Contracting	Forest Health Implementation on Private Land
Private Land Agreements	Watershed Councils, NRCS and ODF	Agreements for Implementation & Funding
Contractor Agreements	Watershed Councils	Direct Contracts for Mapping, Survey, CR & Implementation




GREATER LOBERT RESTORATION PROJECT IN KLAMATH AND LAKE COUNTIES
Ownership
Private and Other
BLM
FWS
NPS
State
USFS
WATER
USFS Lobert Project
USFS East Hills Project
USFS Crooked/Mud/Honey Project
Greater Lobert Landscape
Major Roads
Chemult
Christmas Valley
Silver Lake
Paisley
Chiloquin
Bly
Plush
Klamath Falls
Lakeview
Adel


Klamath County
Community Wildfire Protection Plan
2016 update
Prepared by Gene Rogers
Wildland Fire Technologies, Inc.
Klamath Falls, Oregon
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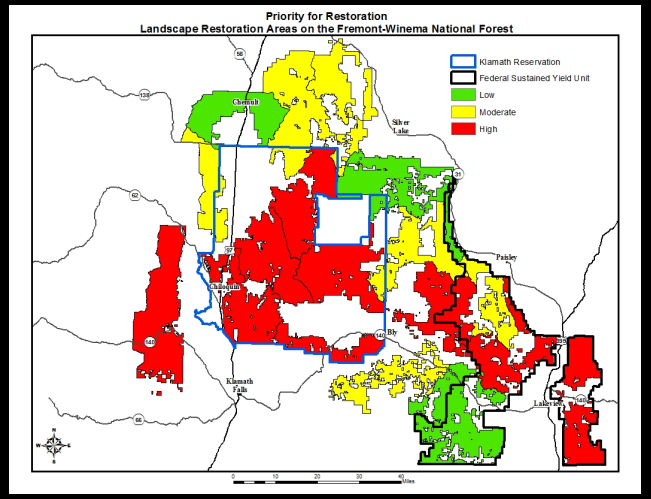
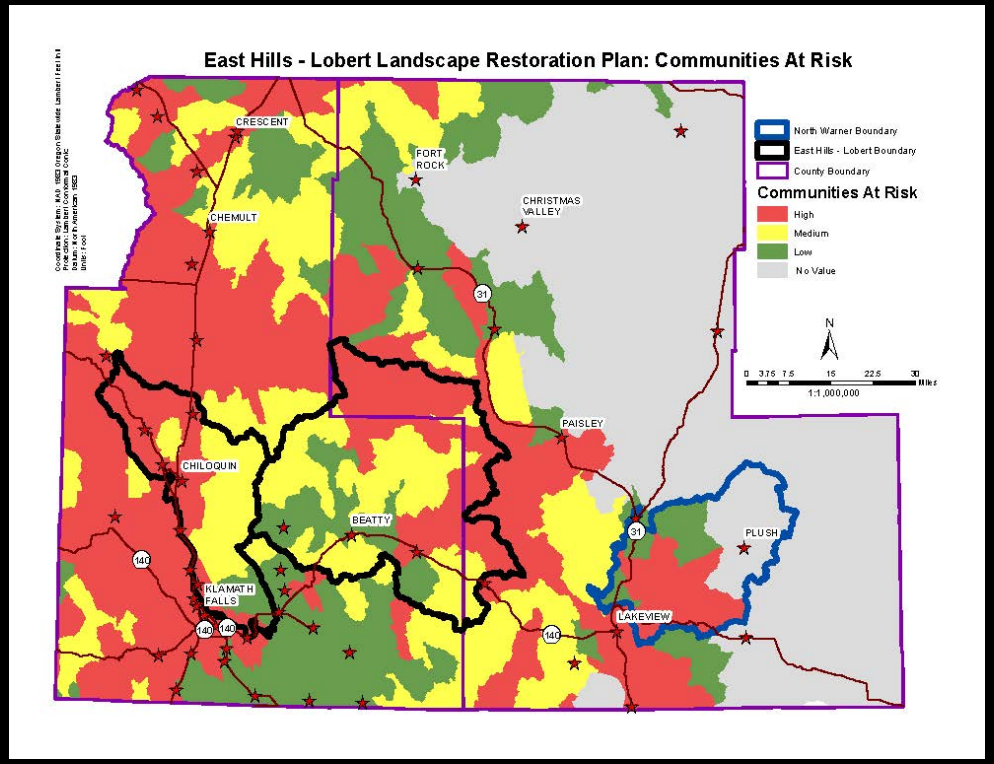
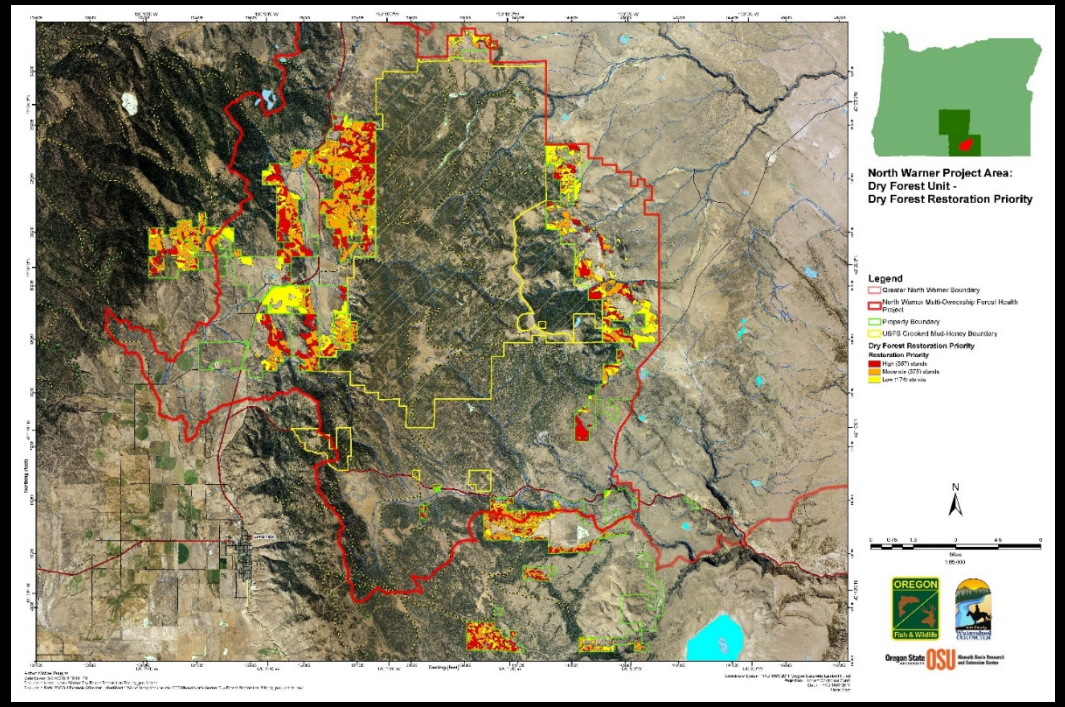
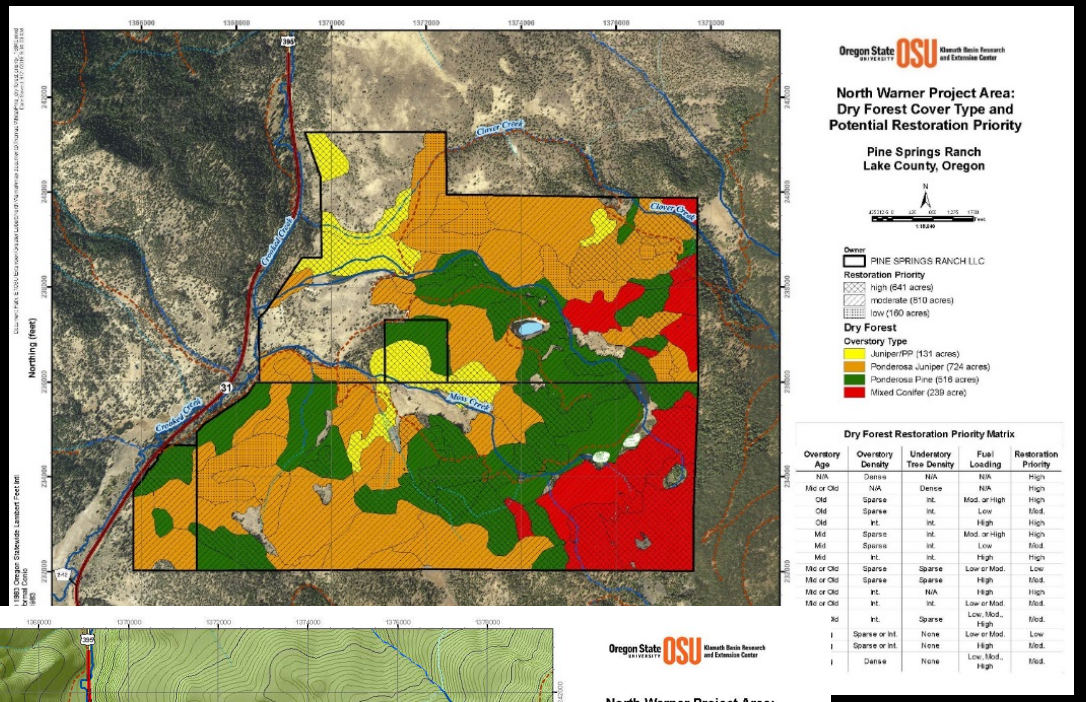

Priority for Restoration
Landscape Restoration Areas on the Fremont-Winema National Forest
Klamath Reservation
Federal Sustained Yield Unit
Low
Moderate
High

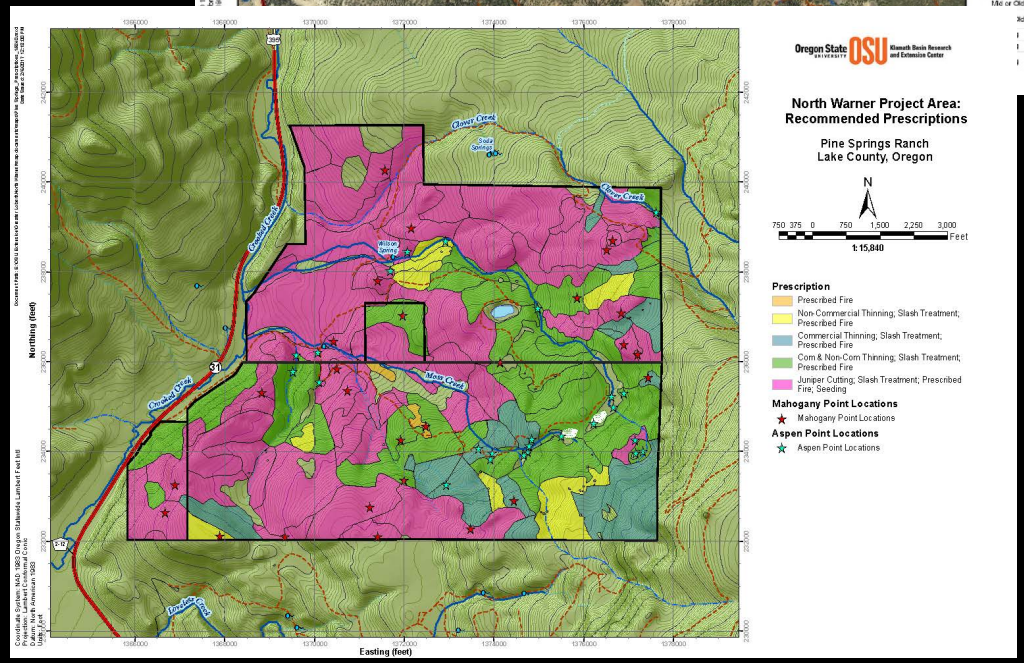

East Hills - Lobert Landscape Restoration Plan: Communities At Risk
North Warner Boundary
East Hills - Lobert Boundary
County Boundary
Communities At Risk
High
Medium
Low
No Value
1:1,000,000
CRESCENT
FORT ROCK
CHRISTMAS VALLEY
CHEMULT
PAISLEY
CHILOQUIN
BEATTY
PLUSH
KLAMATH FALLS
LAKEVIEW

PRIVATE LAND MAPPING, ASSESSMENT, AND WILDFIRE RESPONSE PLAN

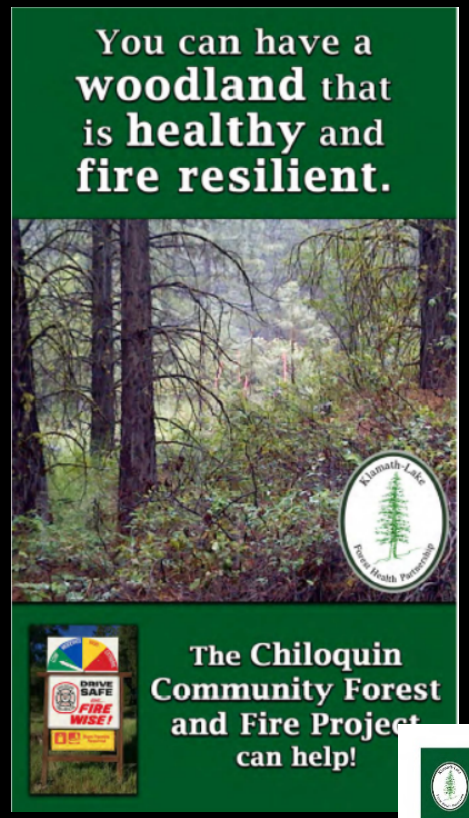
- Forest health inventory
- Wildlife habitat
- Ancillary data (e.g. weeds, aspen)
- Wildfire risk assessment
- Wildfire response pre-plan
- Cultural resources

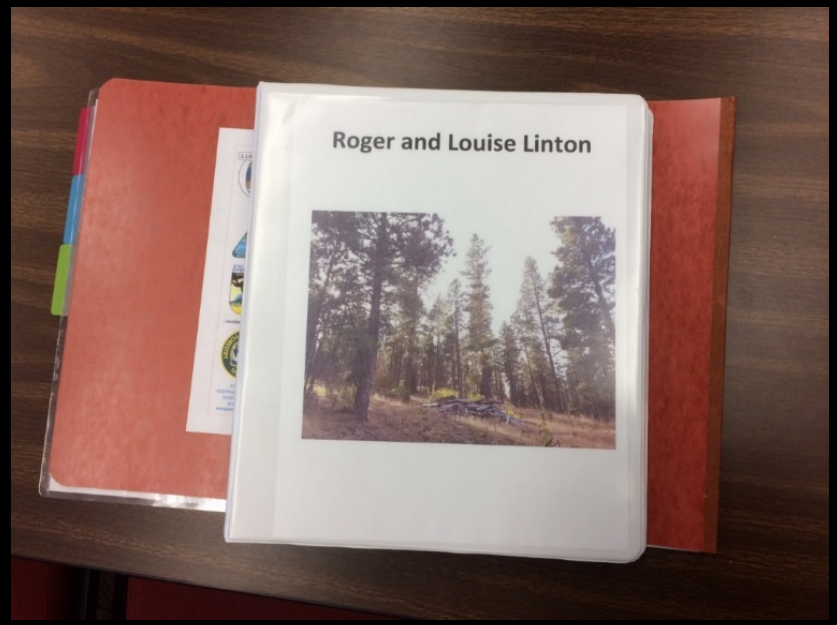


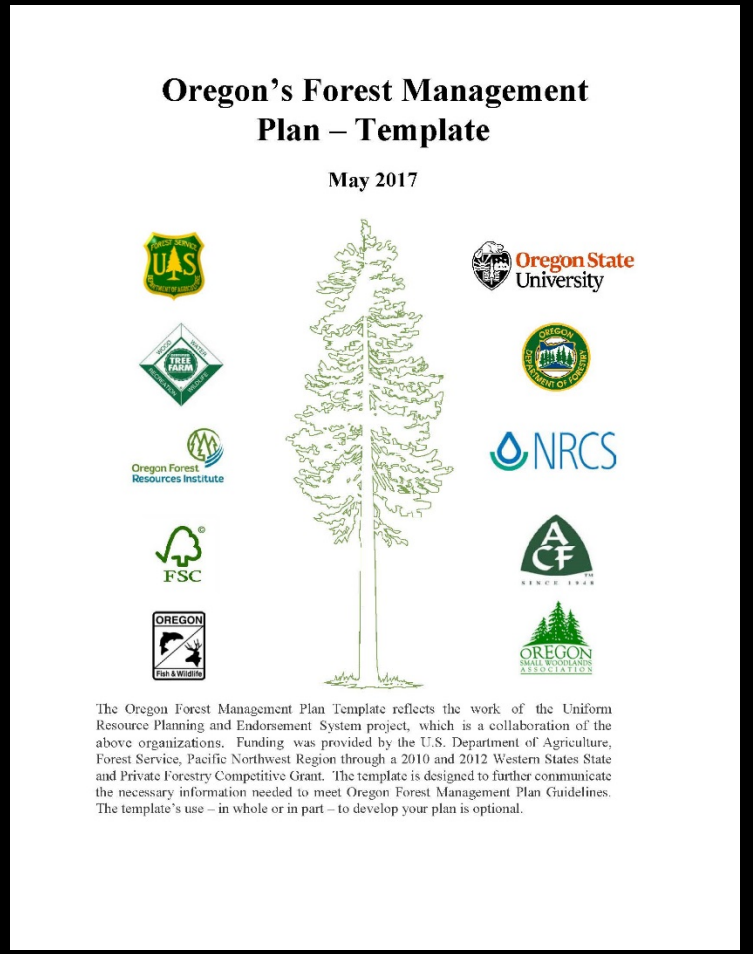




LANDOWNER OUTREACH AND EDUCATION





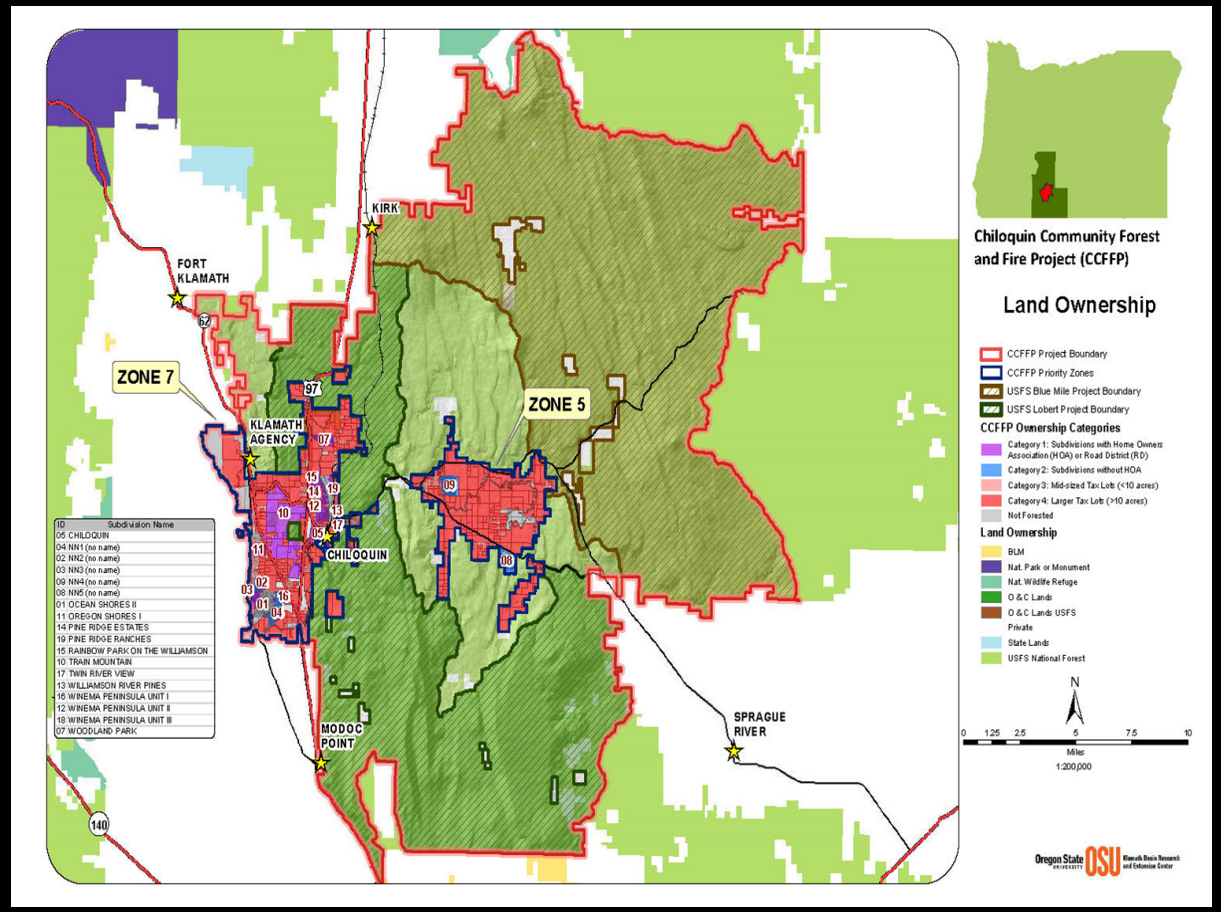


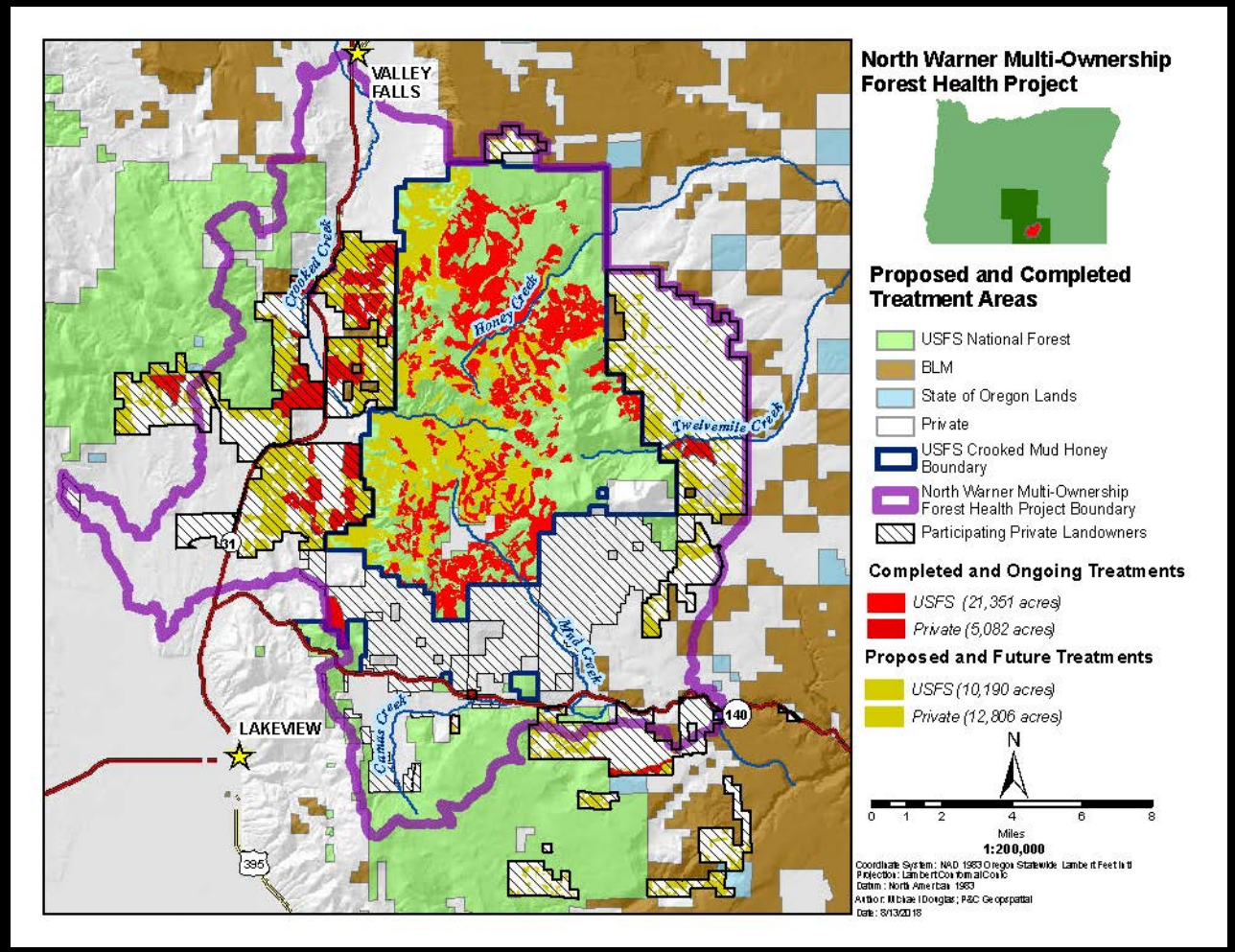
PROOF OF CONCEPT

$2.6 million obtained (started 2017)

Acres implemented: 30,000

150,000 public acres **32,000 private acres (3,000 owners)**



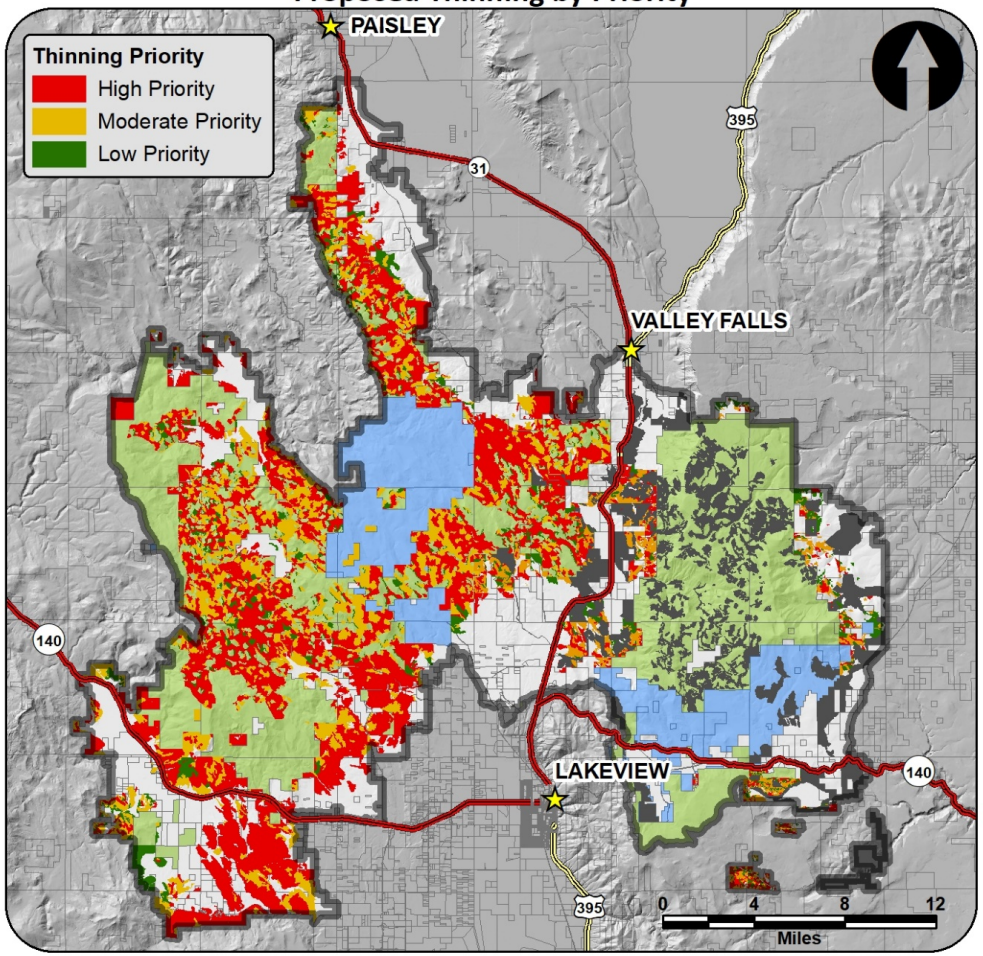


$7 million obtained (started 2016)

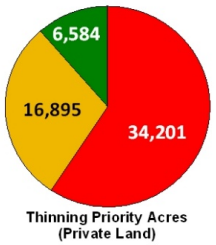
Acres implemented: 40,000

152,000 public acres **32,000 private acres (100 owners)**

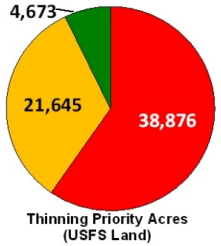
Lake County All Lands Restoration Initiative
Proposed Thinning by Priority



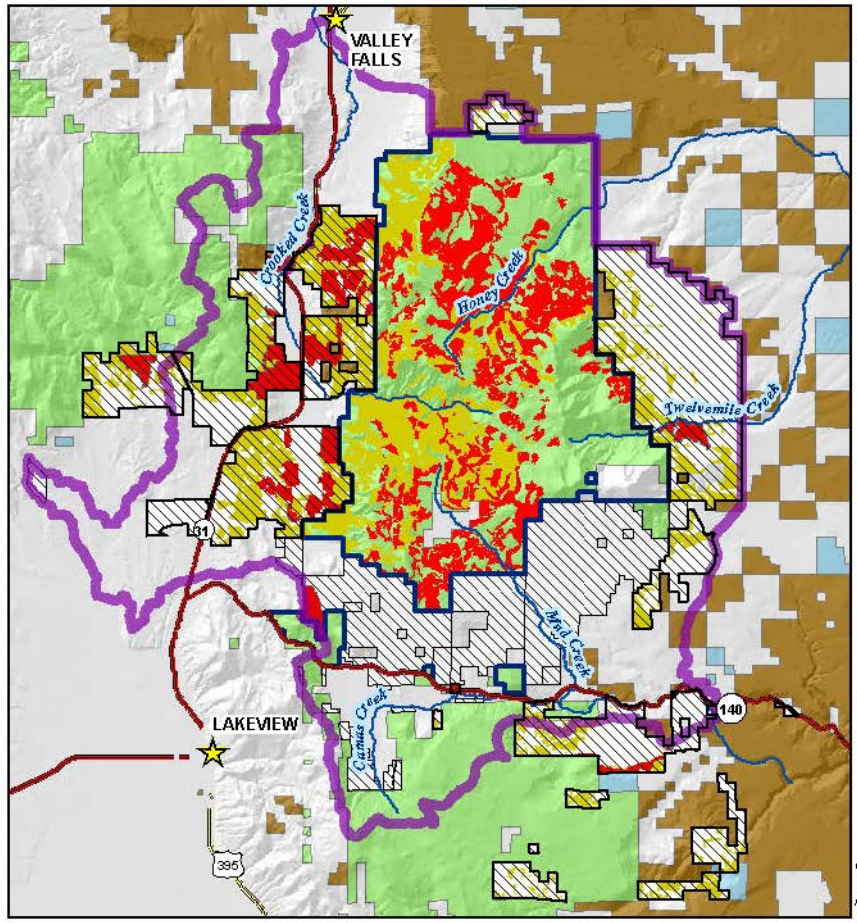
Lake County All Lands Restoration Initiative
Private Industrial
Private Non-Industrial
USFS
Tax Lot Boundaries
Completed & In-Progress Treatments (36,541 acres)



Thinning Priority Acres (Private Land)



Thinning Priority Acres (USFS Land)



North Warner Multi-Ownership Forest Health Project

Proposed and Completed Treatment Areas

- USFS National Forest
- BLM
- State of Oregon Lands
- Private
- USFS Crooked Mud Honey Boundary
- North Warner Multi-Ownership Forest Health Project Boundary
- Participating Private Landowners

Completed and Ongoing Treatments

- *USFS (21,351 acres)*
- *Private (5,082 acres)*

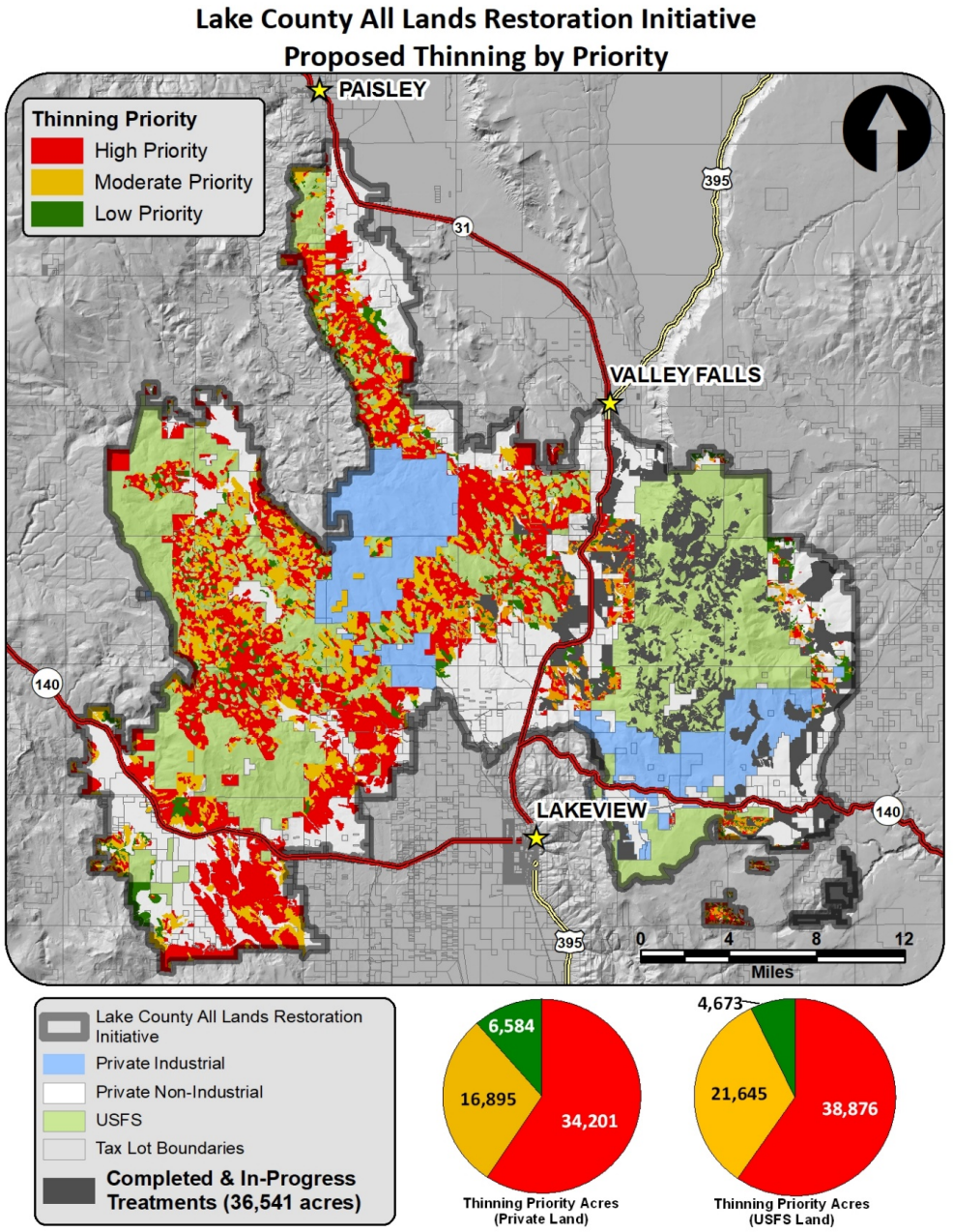
Proposed and Future Treatments

- *USFS (10,190 acres)*
- *Private (12,806 acres)*

N
0 1 2 4 6 8
Miles
1:200,000

Coordinate System: NAD 1983 Oregon Statewide Lambert Feet Intl
Projection: Lambert Conformal Conic
Datum: North American 1983
Author: Mikael Douglas; PSC Geospatial
Date: 8/13/2018

Thomas Creek – 240,000 acres total – 50,000 private land
Added with the North Warners: 400,000 acres (317,000 WUI)
Added with Chiloquin: 467,000 acres



Lake County All Lands: 400,000 acres total

Private land high to moderate priority: 51,000 acres (added with completing North Warners priorities)
Public land high to moderate priority: 60,521 acres

----Economy of Scale----

Costs:

- **$500.00 to $600.00 per acre for mechanical treatments**
- **$120.00 per acre for prescribed burning**
- **$40.00 per acre for aerial burning**
- **$250.00 per acre overall average due to lower Rx burn costs and harvest offset.**

This year – 10,000 to 15,000 acres of mechanical treatment and 10,000 acres of prescribed burning can be completed in Klamath and Lake County – with a $3 million investment

Map of the Klamath County All Lands Restoration Project

Klamath-Lake Forest Health Partnership

Fremont-Winema National Forest

Oregon Department of Forestry

Oregon State University Extension

Natural Resources Conservation Service

Klamath Watershed Partnership

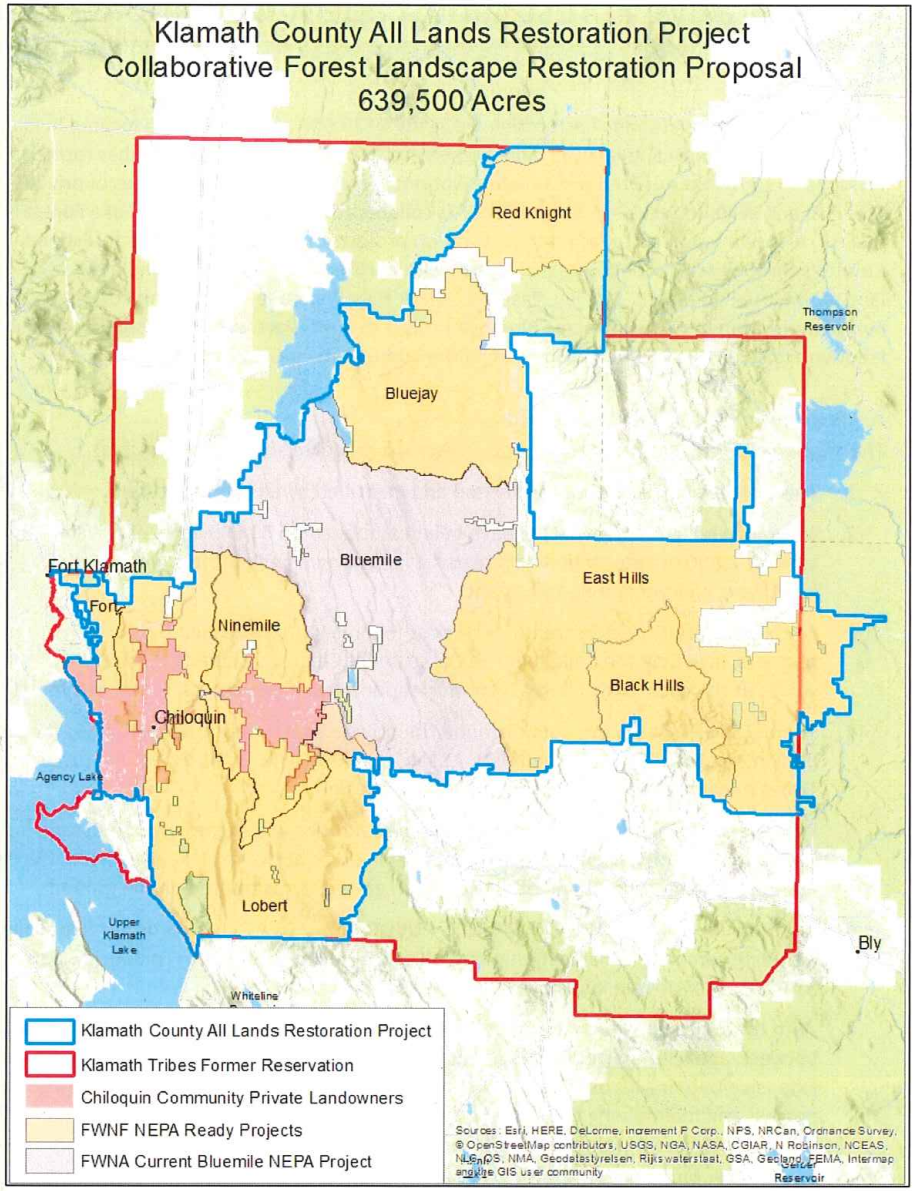
The Nature Conservancy

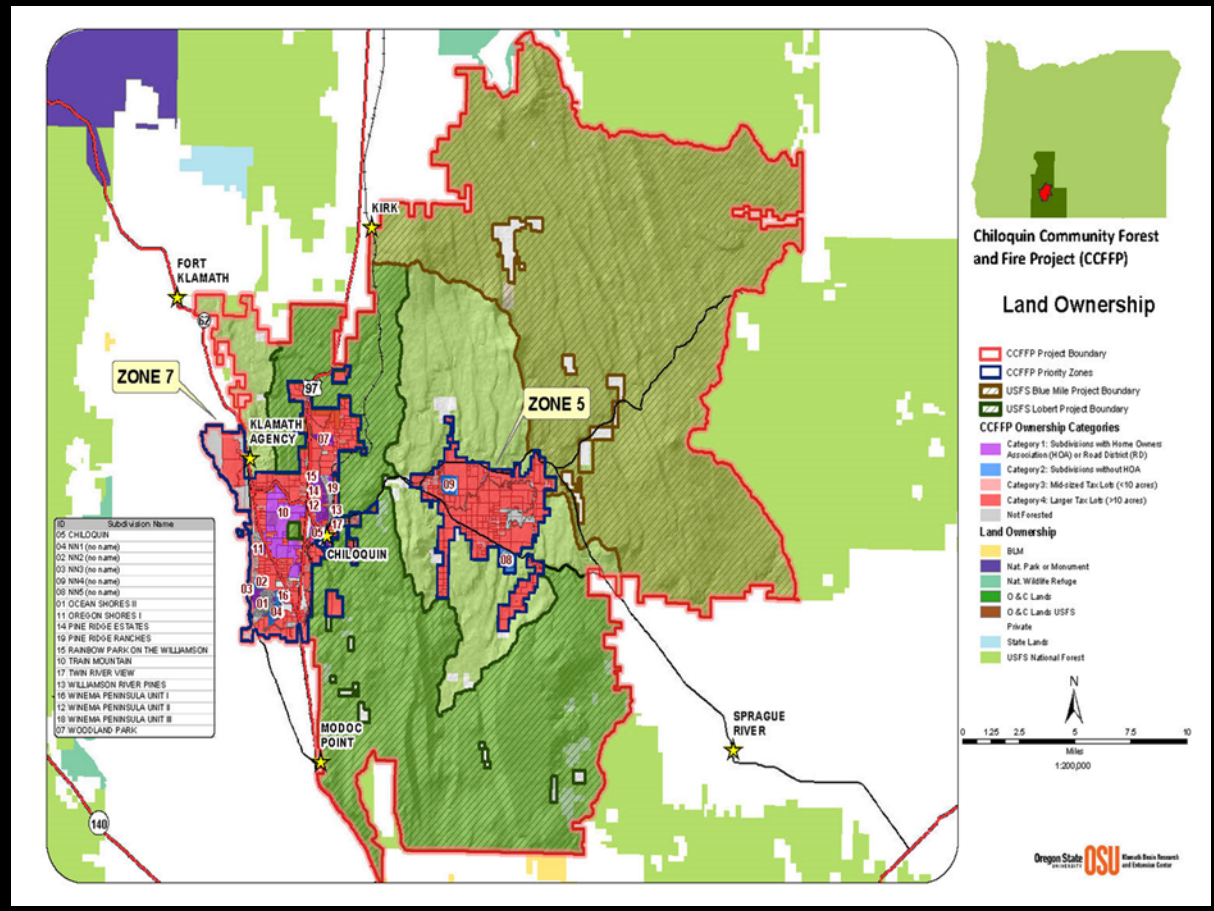
Klamath County

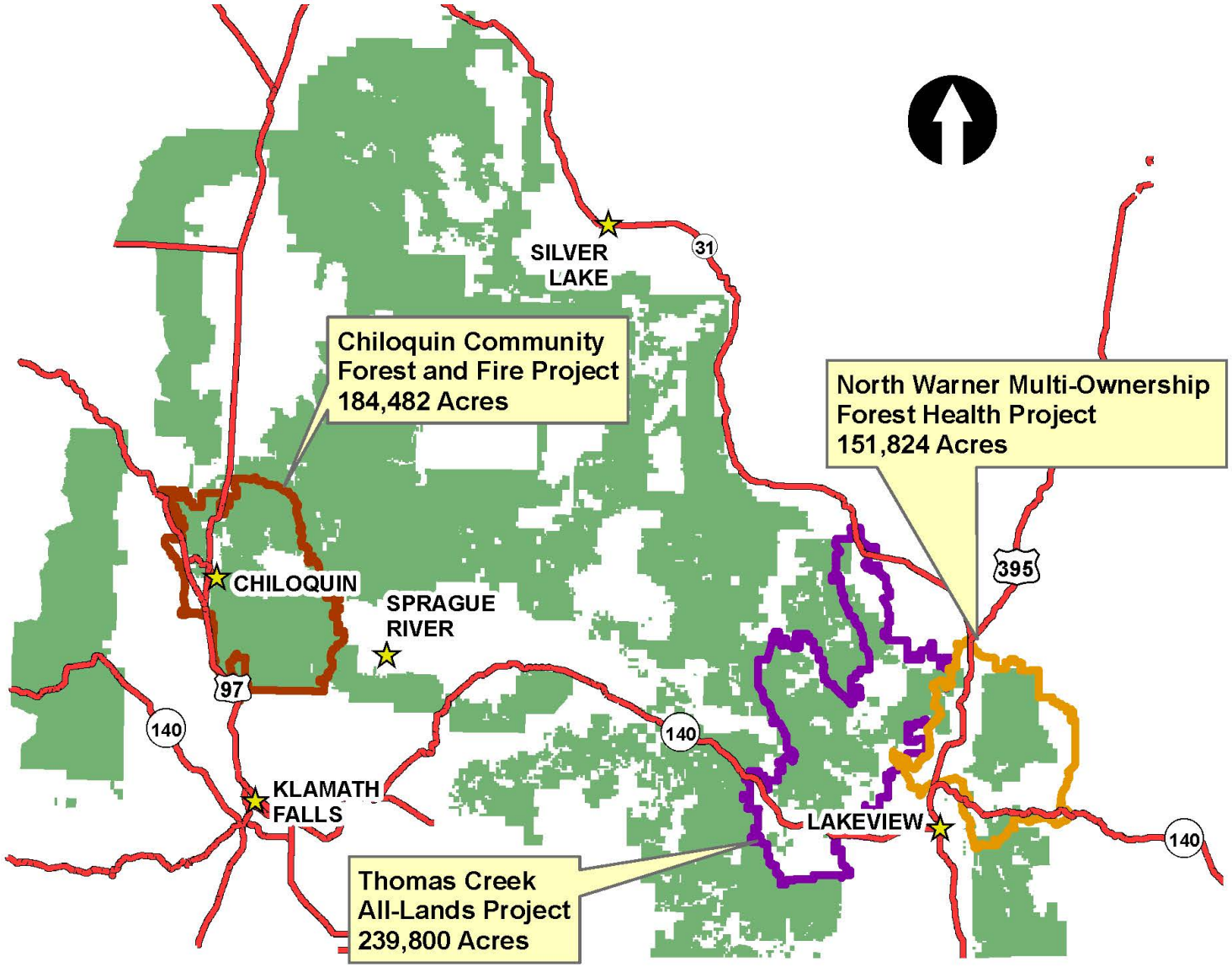
Lake County Resources Initiative

Forest Stewards Guild

Oregon Prescribed Fire Council

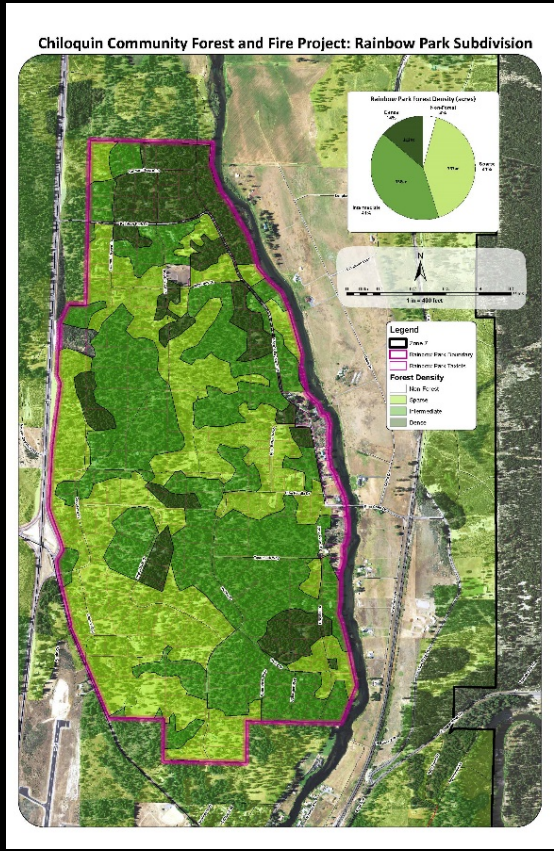


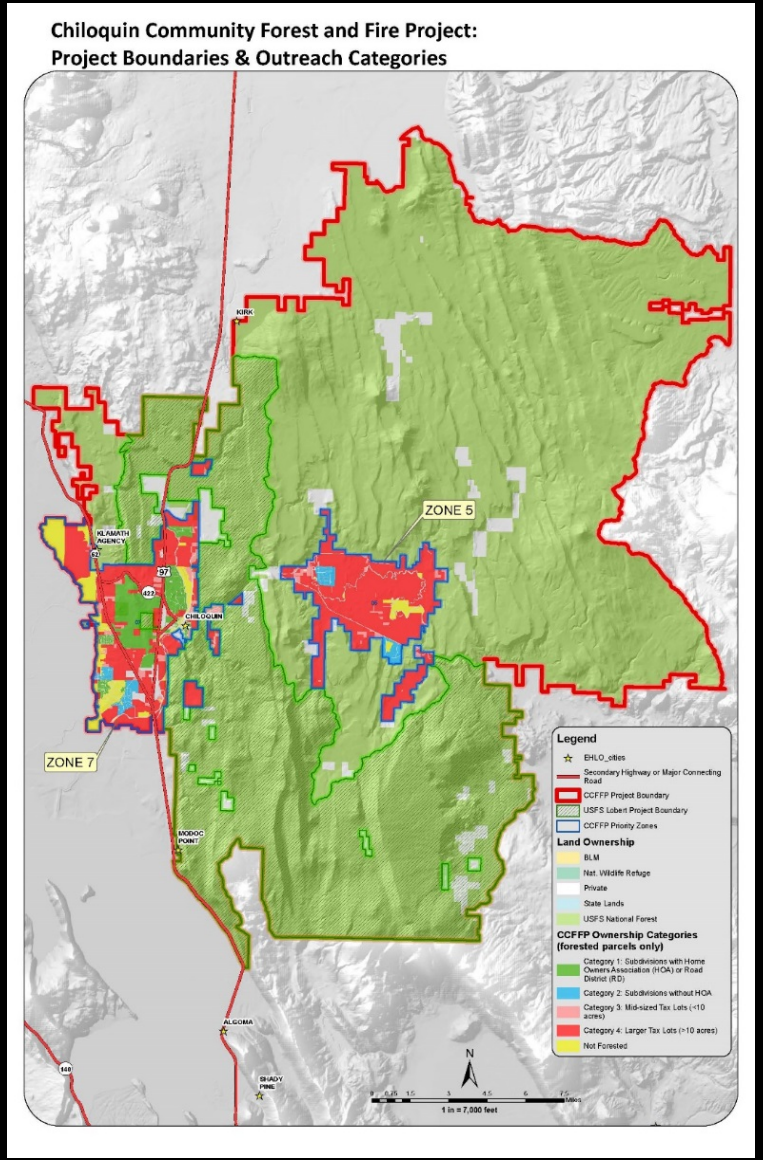


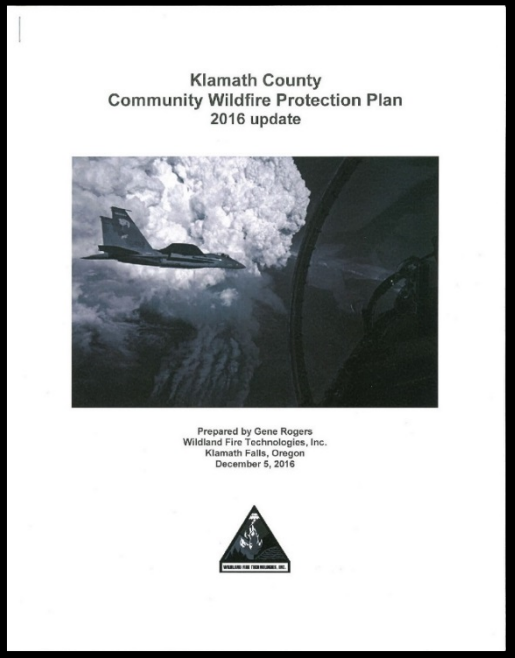


TOTAL ACRES: 576,106 (120,000 PRIVATE LAND ACRES)

PRESCRIBED FIRE AND MAINTENANCE



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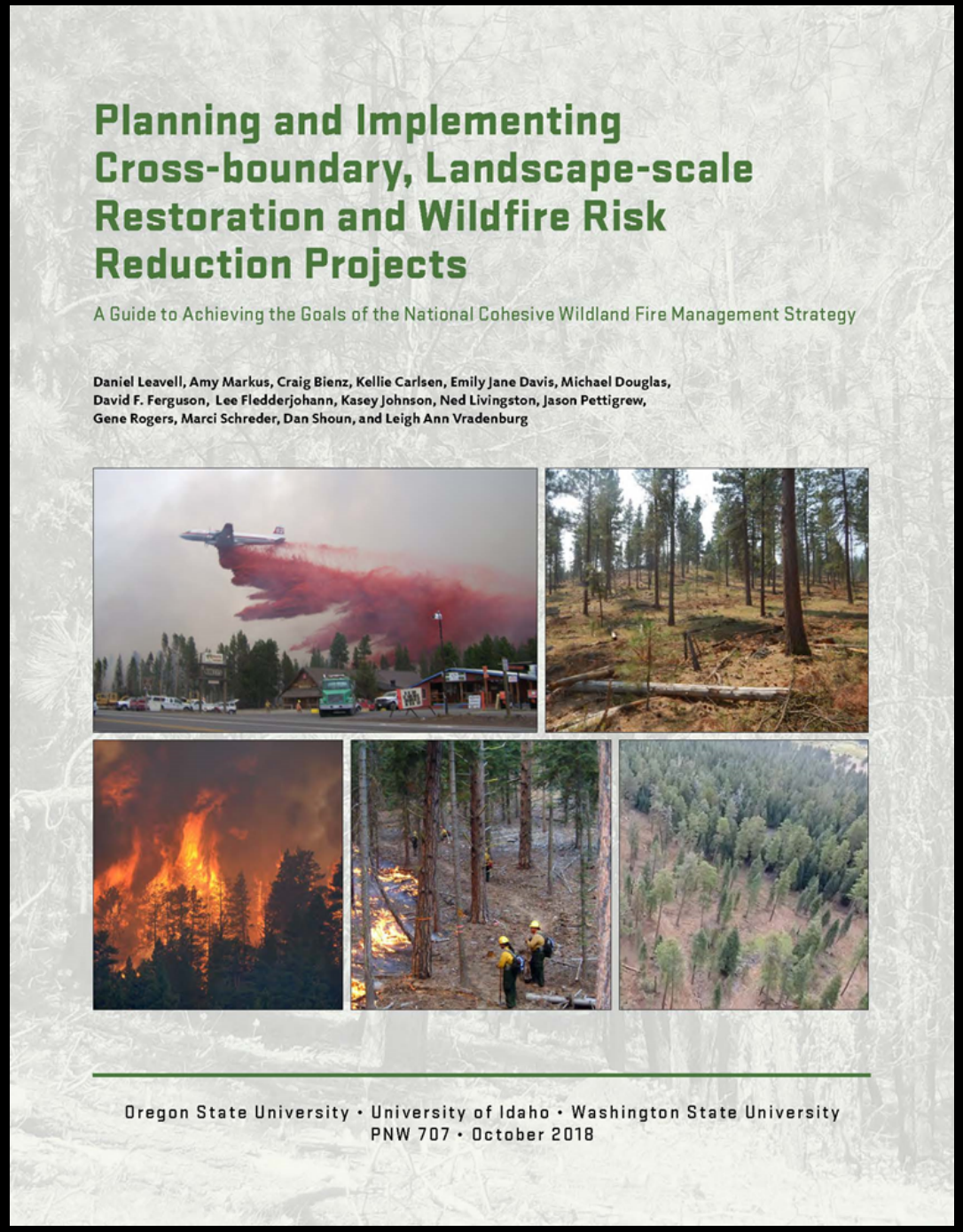
December 5, 2016

Maintenance is Critical:

1. 10,000 acres of prescribed burn in 2019
2. 10,000 additional acres for 2020
3. Cooperative with FS, ODF, NPS, TNC
4. $120 per acre for plan & implement
5. $40.00 per acre for aerial burning
6. Work with County Fire Department
7. Working on liability & training



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