



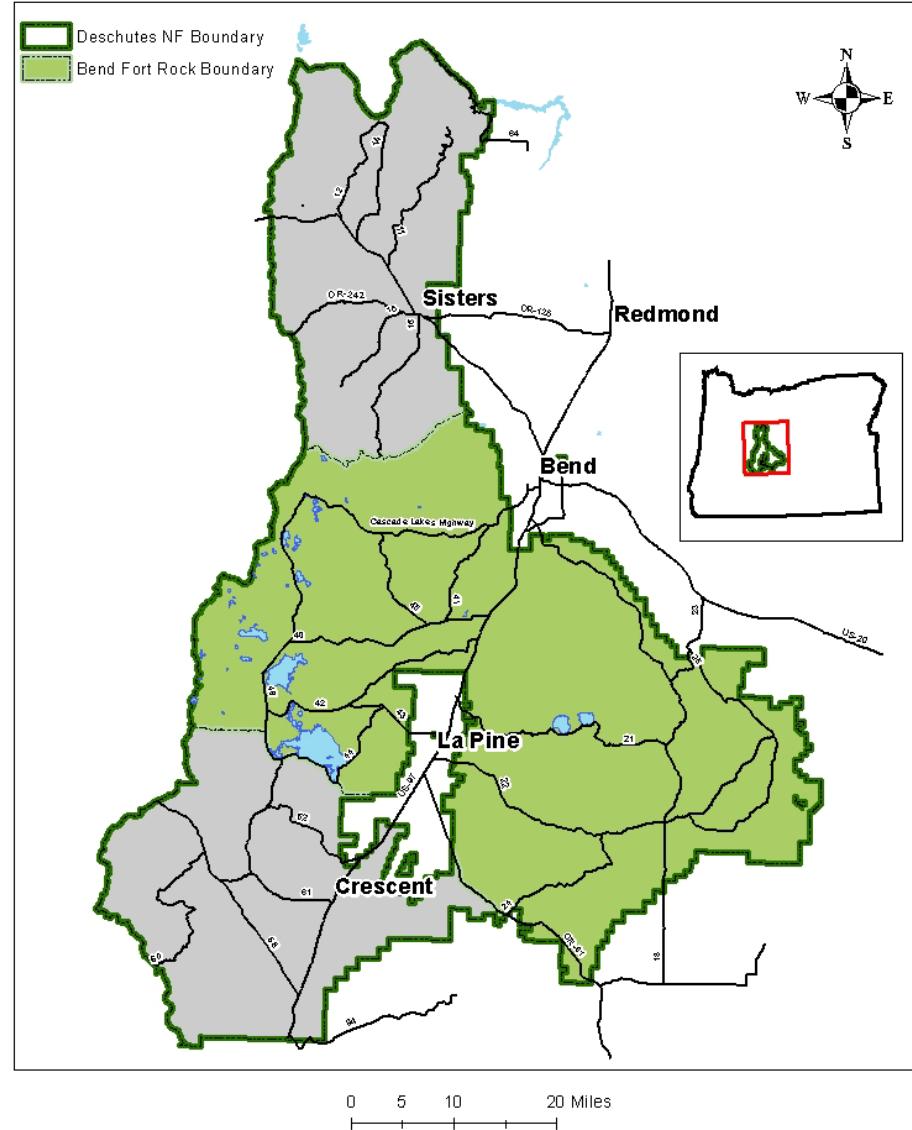
Moving Forward



**Forest Restoration
Beyond Fuel Reduction:
What is the Vision?**

October 12, 2011

**George Chesley
Shane Jeffries**





Objectives

1. Describe two sources of disturbance on the Bend-Ft. Rock district in Lodgepole Pine and Ponderosa Pine forests.
2. Discuss strategies on how we've managed these disturbances in the past and today.



Four Threads

1. Lodgepole Pine management
2. Ponderosa Pine management
3. Fire
4. Collaboration





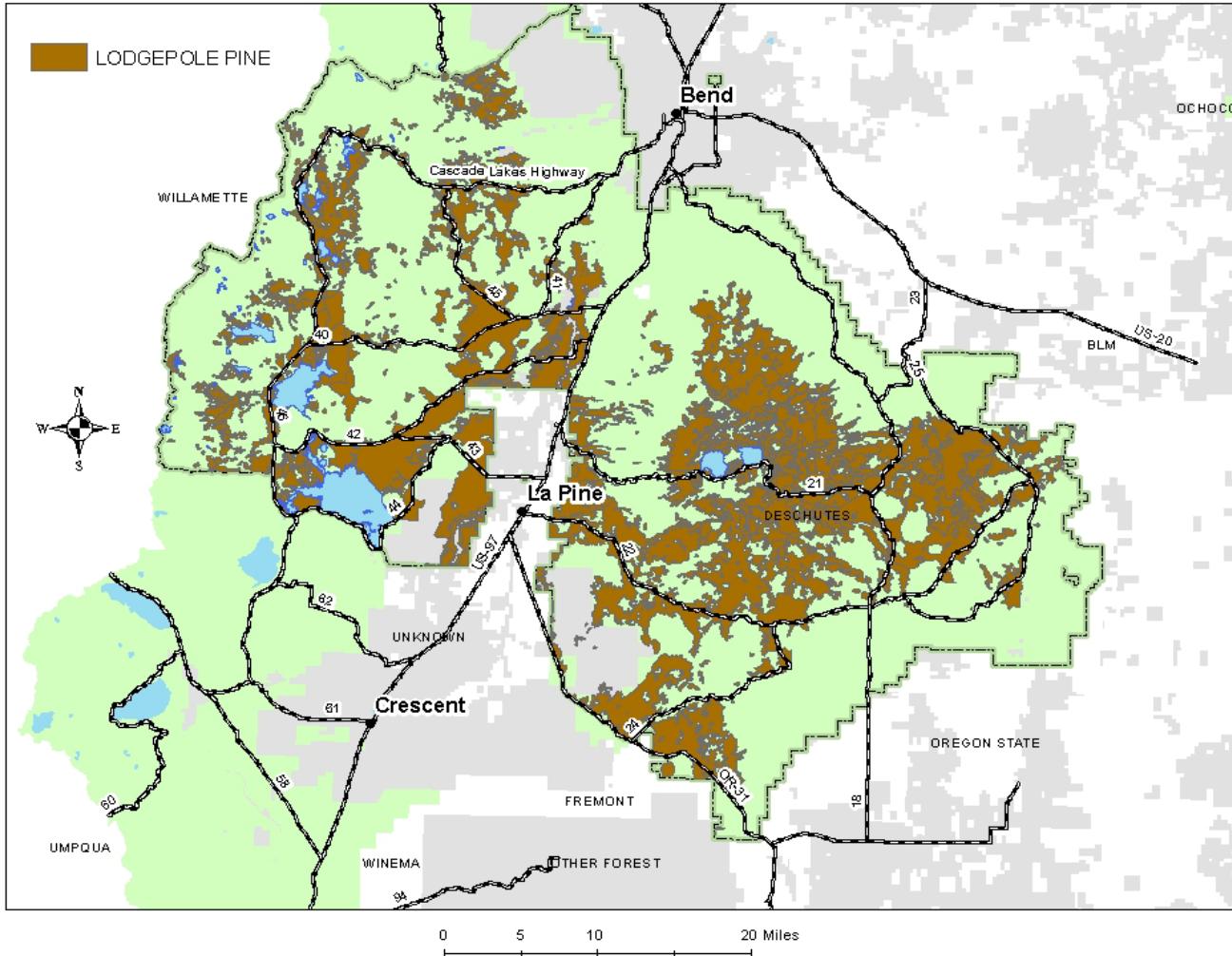
Lodgepole Pine

- **Location of Stands**
 - Characteristics of Stands
 - Low Economic Value
 - Fire Potential
 - Management Strategy





Lodgepole Pine





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- **Management Strategy**





Lodgepole Pine





Lodgepole Pine

- Context
- Treatments
- Benefits



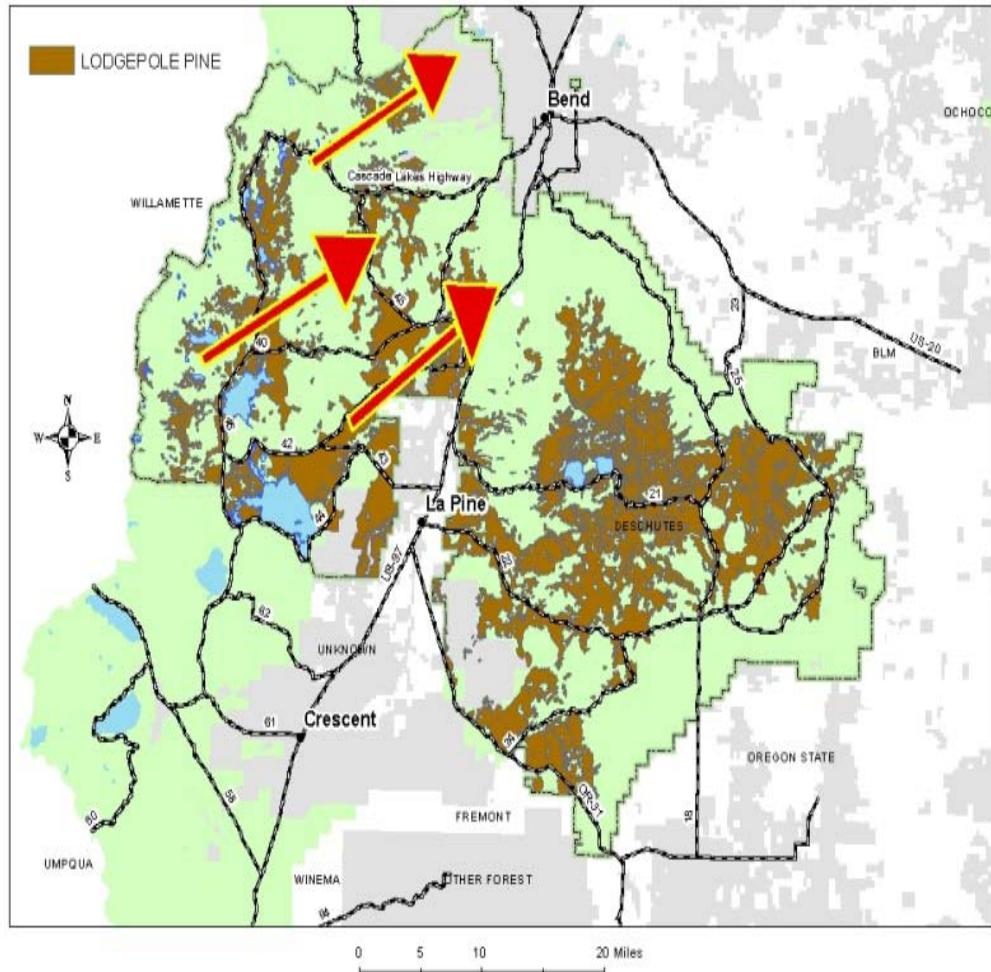


Lodgepole Pine





Lodgepole Pine





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Lodgepole Pine





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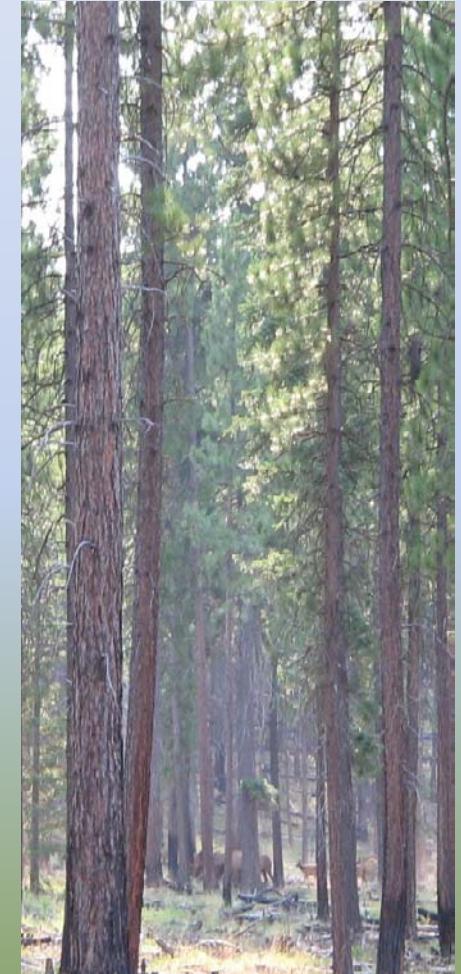
Lodgepole Pine





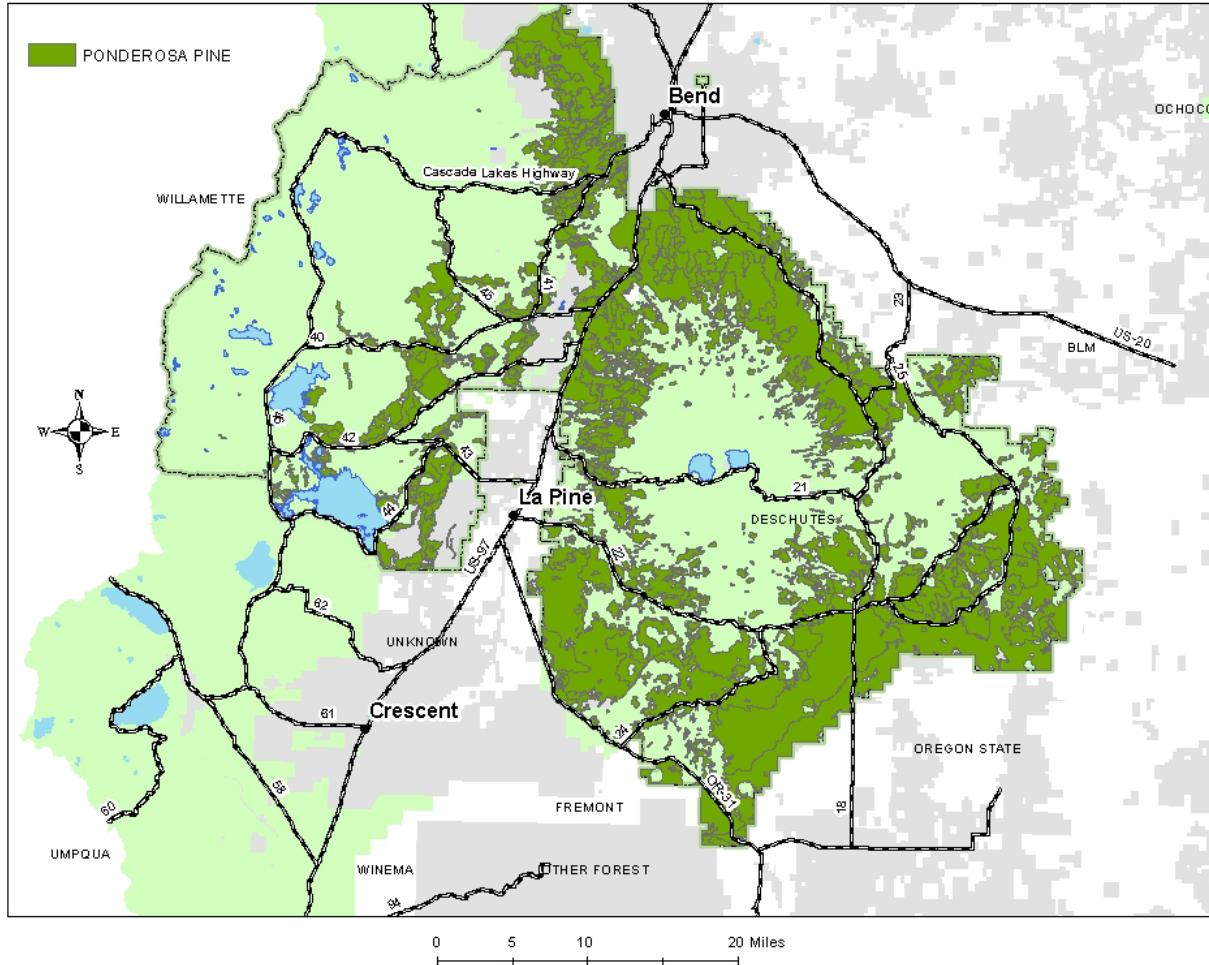
Ponderosa Pine

- Location of Stands
- Stand Characteristics
- Black Bark Pine Program





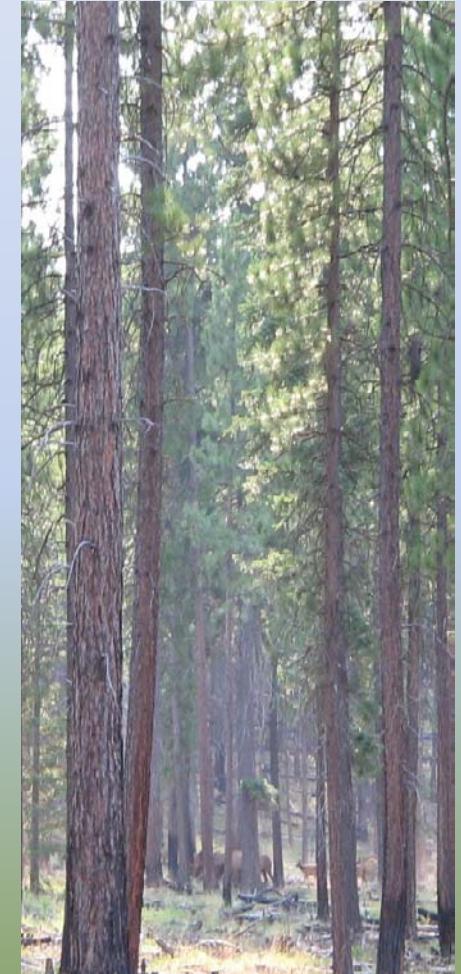
Ponderosa Pine





Ponderosa Pine

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- **Stand Characteristics**
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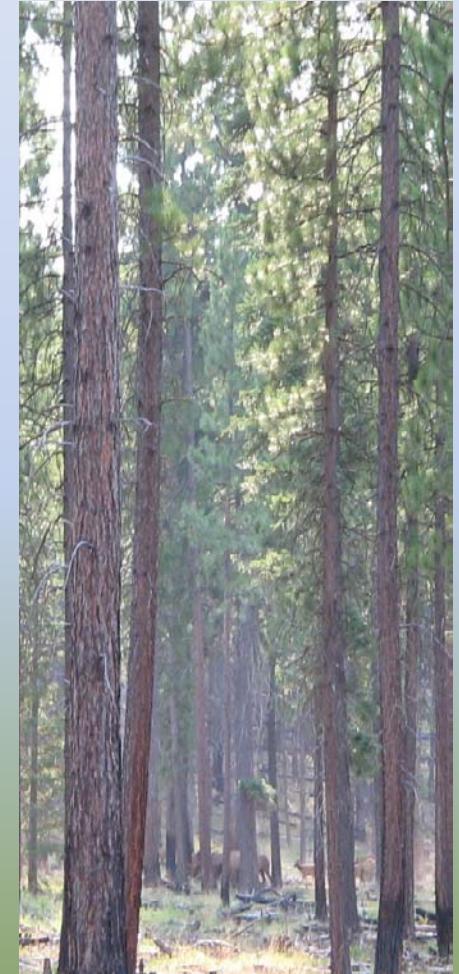
Ponderosa Pine





Ponderosa Pine

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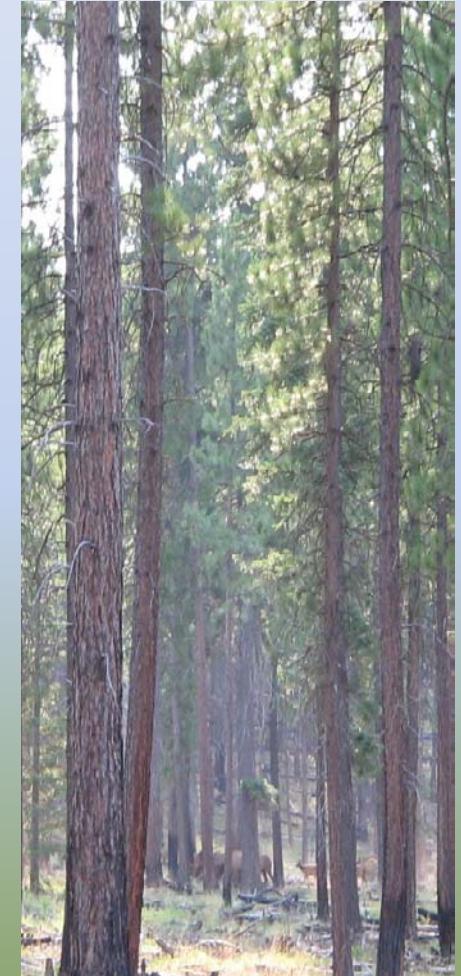
Ponderosa Pine





Ponderosa Pine

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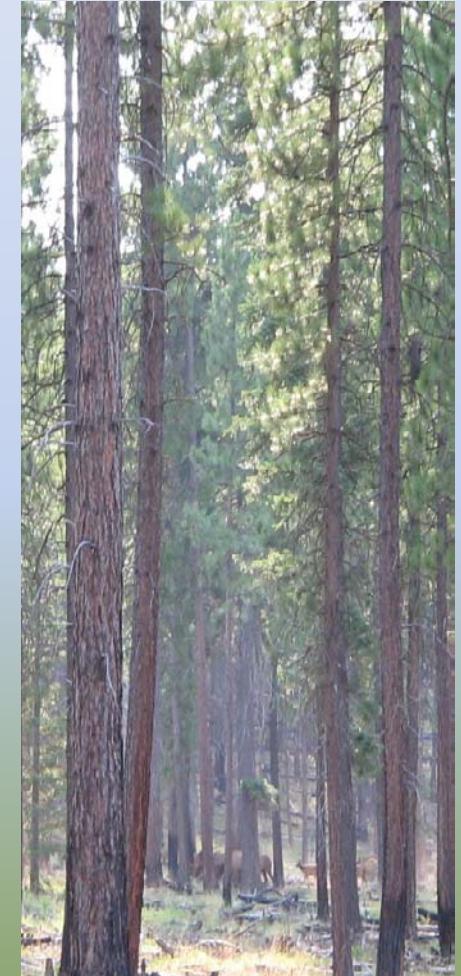
Ponderosa Pine





Ponderosa Pine

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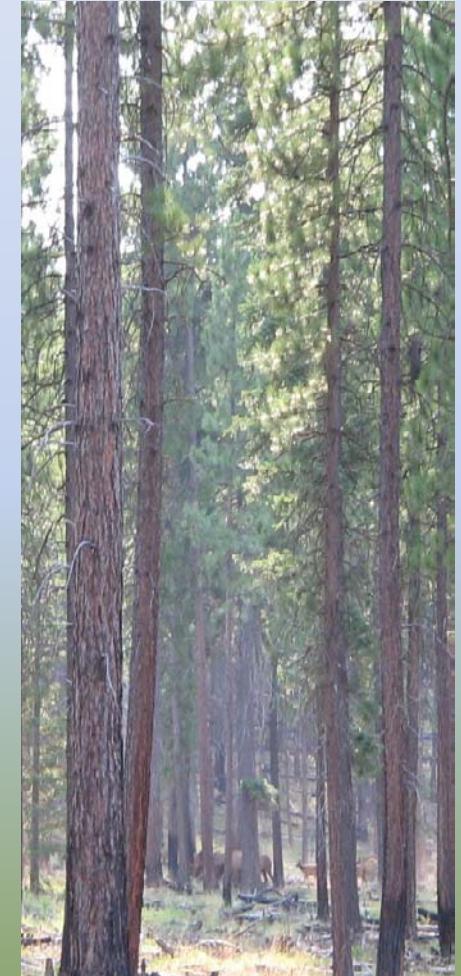
Ponderosa Pine





Ponderosa Pine

- Context
- Treatments
- Benefits





Ponderosa Pine





Fire

Fire History

Hazardous Fuels Treatment

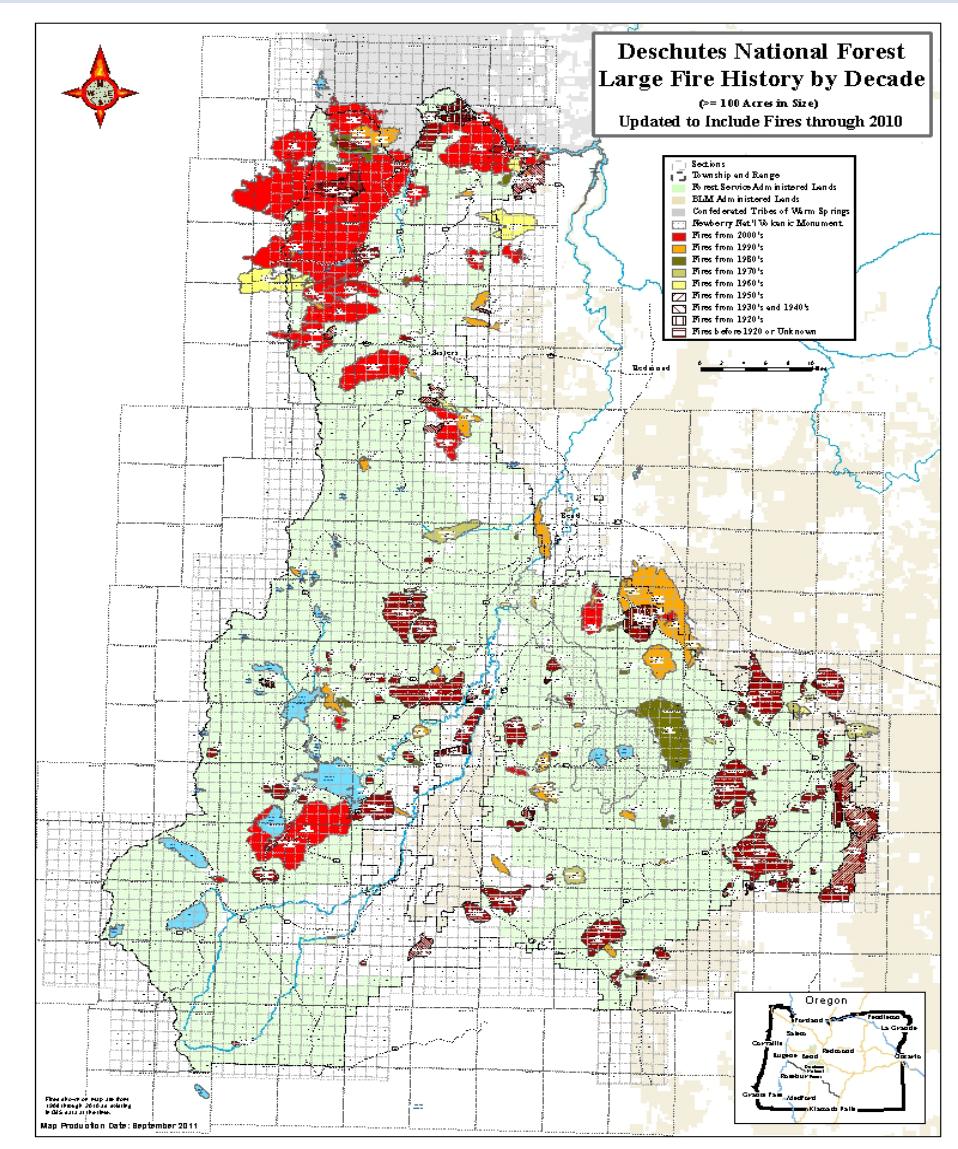
Fire / Rehab

Impact on Communities





Fire





Fire

Fire History

Hazardous Fuels Treatment

Fire / Rehab

Impact on Communities





Fire





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Fire History

Hazardous Fuels Treatment

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Fire





Fire

- Context
- Treatments
- Benefits





Fire





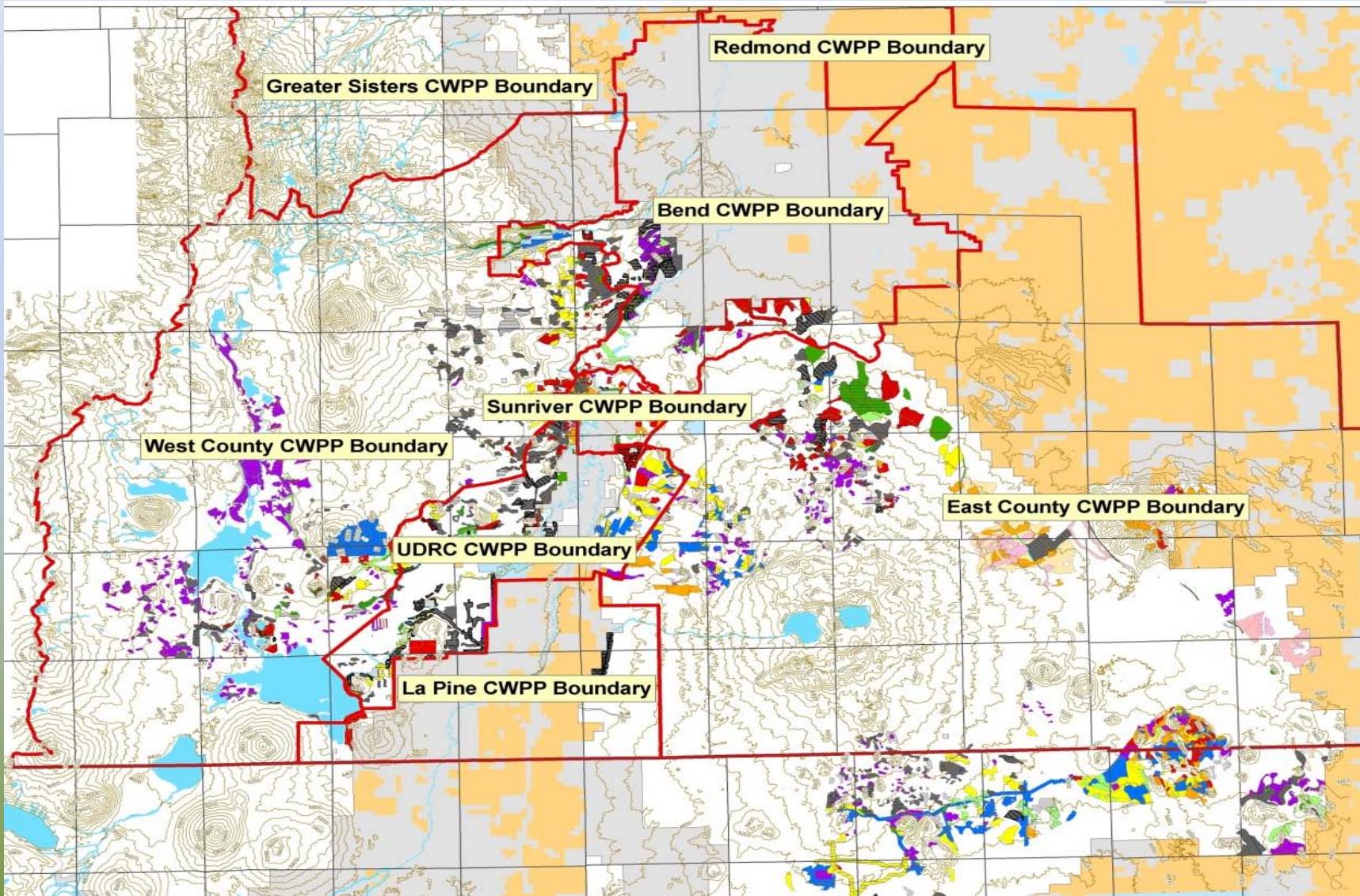
Fire

- Context
- Treatments
- Benefits





Fire





Fire





Fire

- Context
- Treatments
- Benefits





Fire



What is Fire's Role in Nature?

The illustration depicts a forest landscape through four stages: **BEFORE**, **DAVIS FIRE OF 2003**, **AFTERMATH**, and **HEALING**. The **BEFORE** stage shows a lush green forest. The **DAVIS FIRE OF 2003** stage shows a large, intense orange and red fire consuming the trees. The **AFTERMATH** stage shows a landscape of charred, blackened tree trunks standing against a backdrop of new, thin green saplings. The **HEALING** stage shows a mature forest with healthy green trees, indicating the long-term recovery of the ecosystem.

BEFORE
Smokey Bear's message of fire prevention helped put out fires caused by lightning strikes since the 1940s. Small lightning fires were a natural way of cleaning the forest floor. The last large wildfire that burned here was in 1910.

DAVIS FIRE OF 2003
On a hot summer day in 2003, a raging fire caused people to evacuate, neighbors to nearby homes. Firefighters had to retreat from the intense fire which eventually consumed over 21,000 acres of forest.

AFTERMATH
Over a week later when the fire was out, all that remained was a blackened forest with no sign of life. The once beautiful forest at the edge of a lava flow had changed dramatically in a short amount of time.

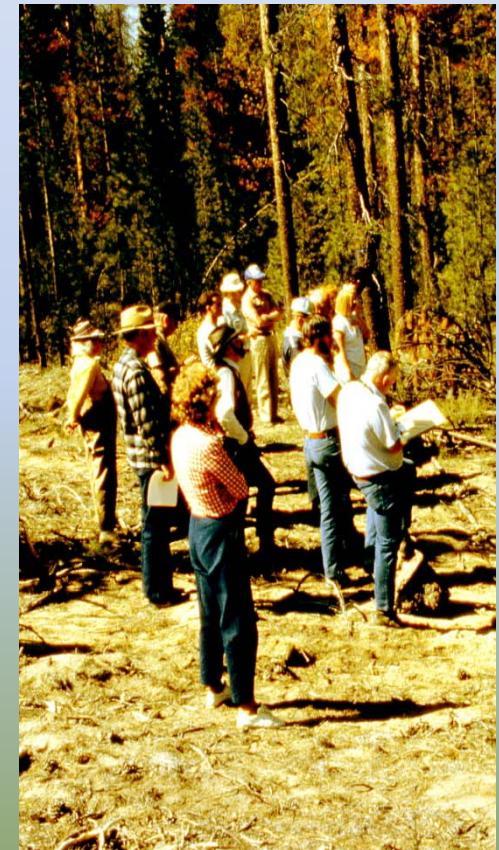
HEALING
Over time, wind, rain, sun and snow are slowly restoring this place. Grasses have sprouted, different trees are growing and wildlife continue to return. Once again, the forest is providing shelter for wildlife, fish, and seeds for new trees.





Collaboration

- People – Policies
- Forest Service – Counties
- Agency – Agency
- Agency – Special Interest Groups
- Major Legislation

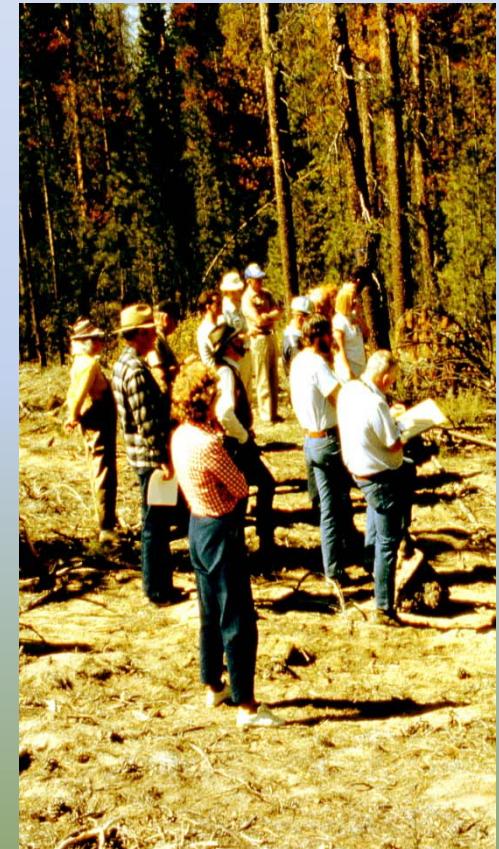




Collaboration

- **People – Policies**

- Organic Act
- Multiple Use Sustained Yield Act

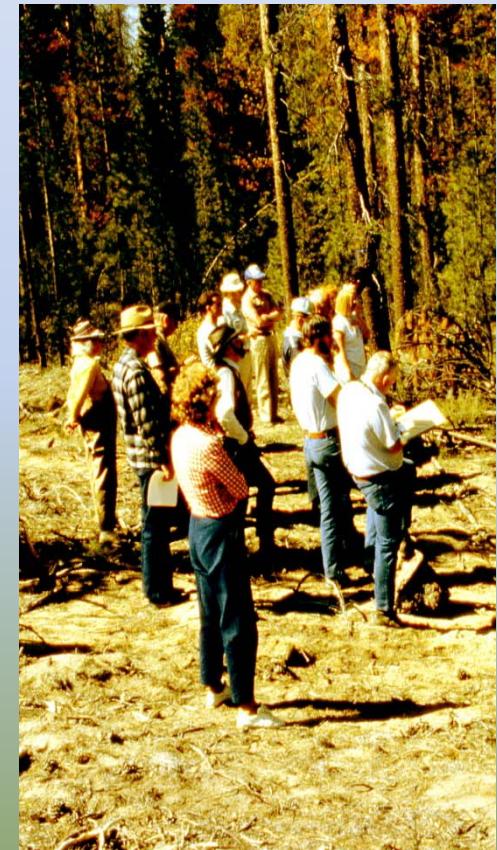




Collaboration

- **Forest Service – Counties**

- 25% Fund – Schools, Roads
- BD Projects
- KV Projects

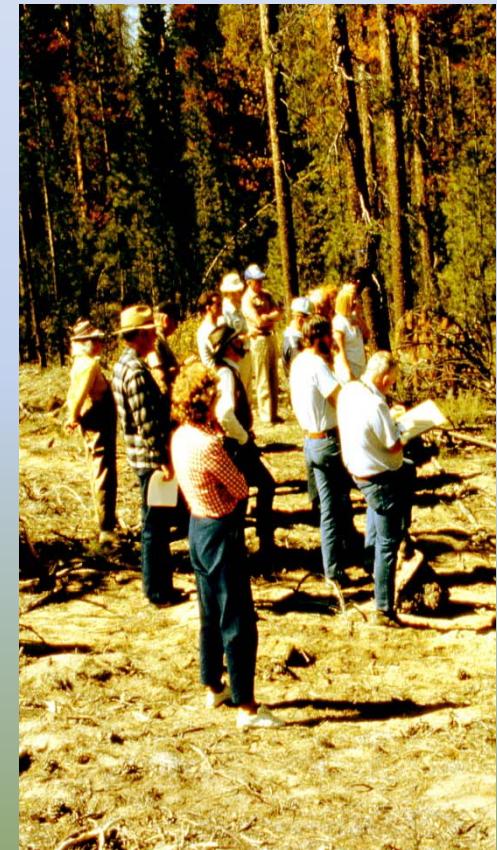




Collaboration

- **Agency – Agency**

- DNF – ODFW
- DNF- ODF

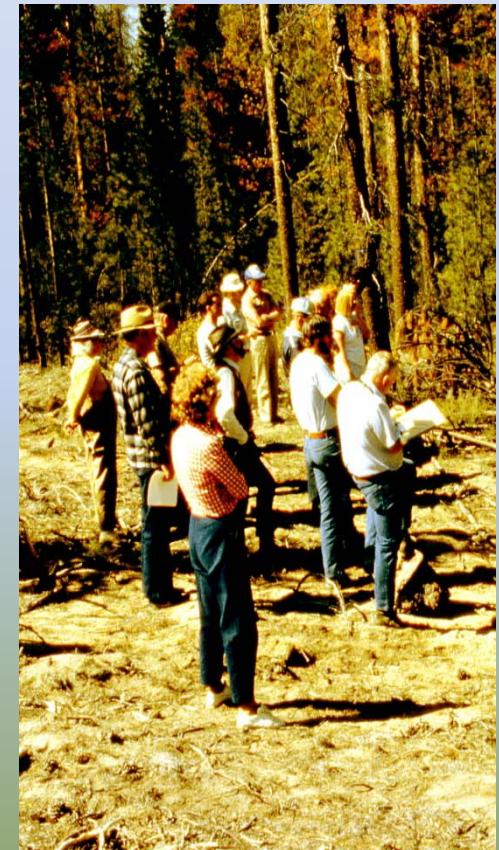




Collaboration

- Agency – Special Interest Groups

- Equestrians
- Snowmobilers
- OHV

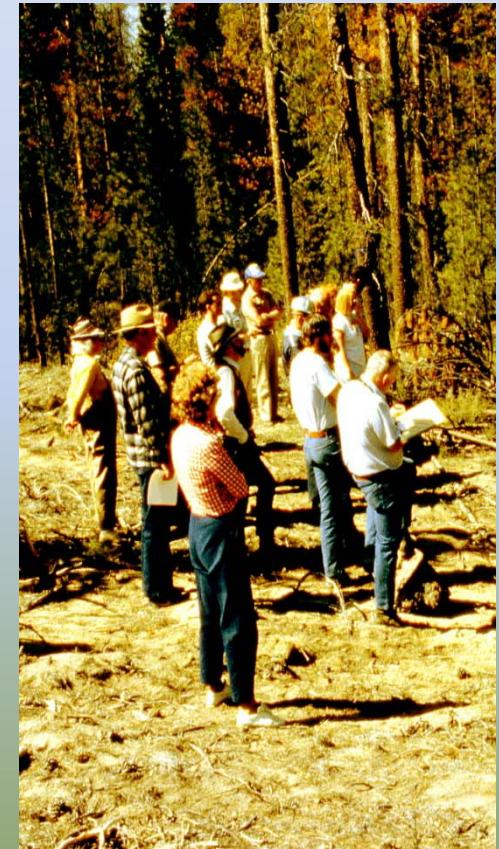




Collaboration

- Major Legislation

- NEPA
- ESA
- FLPMA





Deschutes Skyline Forest Collaborative Forest Landscape Restoration Act



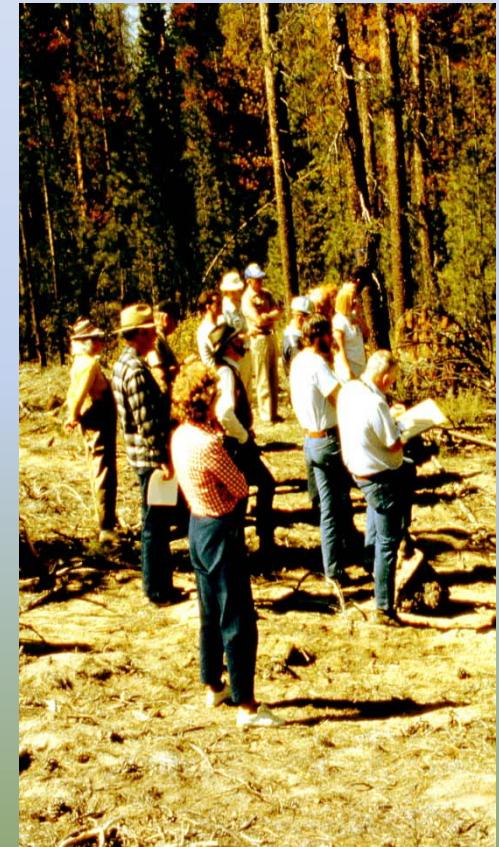
Photo Credit: Aerial Images for Deschutes Land Trust



Collaborative Forest Landscape Restoration Act

2009 Omnibus bill

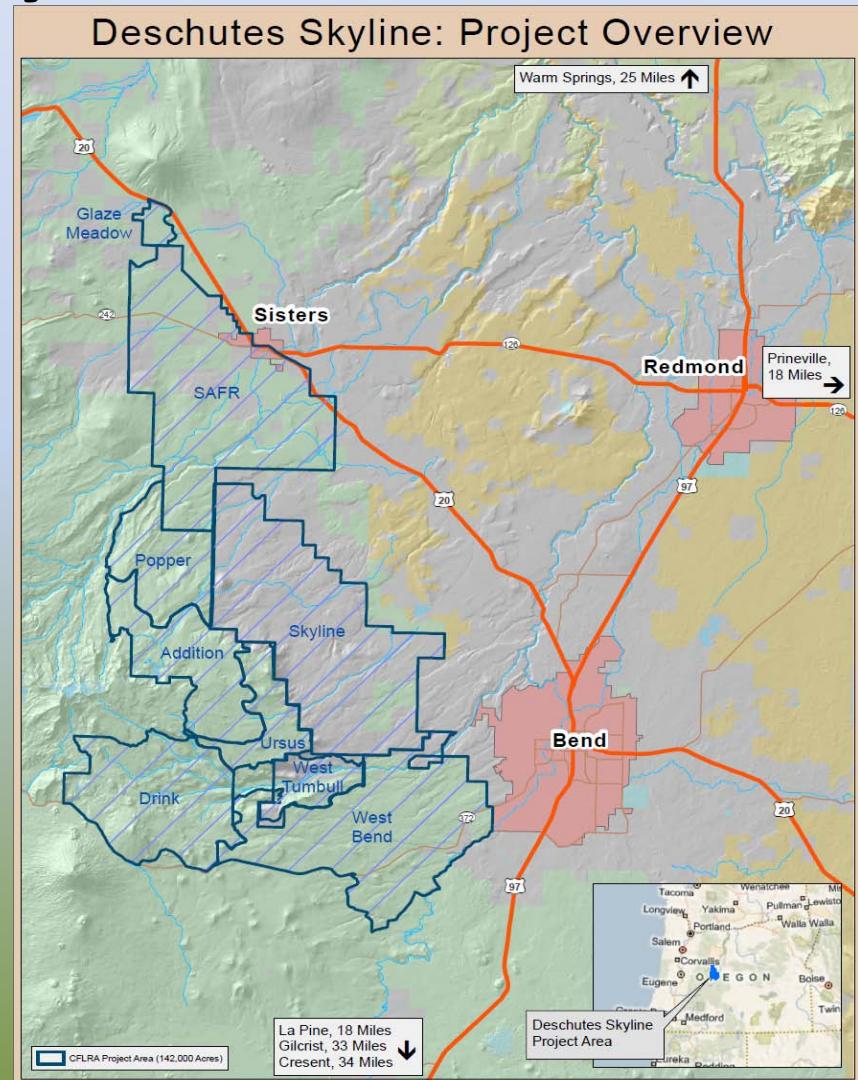
- To select and fund projects that restore forests at a **landscape-scale** through a process that encourages:
 - Collaboration
 - Utilization of the best available science
 - Local economic development
 - Leveraging local resources with national and private resources





Collaboration – Deschutes Skyline Forest

- 2 community organizations focused on federal forest management (COPWRR, FLN)
- 1 community wildfire protection planning and implementation group (Project Wildfire)
- 1 Provincial Advisory Committee
- 1 Watershed Council (Upper Deschutes)





Collaboration – Deschutes Skyline Forest



- WUI: landscape encompasses portions of 3 CWPP areas
- Municipal watersheds for Bend and Sisters
- High-use recreation area
- Wildlife Habitat for species of concern
- Deschutes Land Trust working to acquire the Skyline Community Forest
- Wood fiber for small diameter enterprises



Collaboration Moving Forward



Wesley Wulffson (left) and Tony Parker, both of Denver Tree Services, estimate they spent \$100,000 to \$150,000 to clear debris from the area.



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