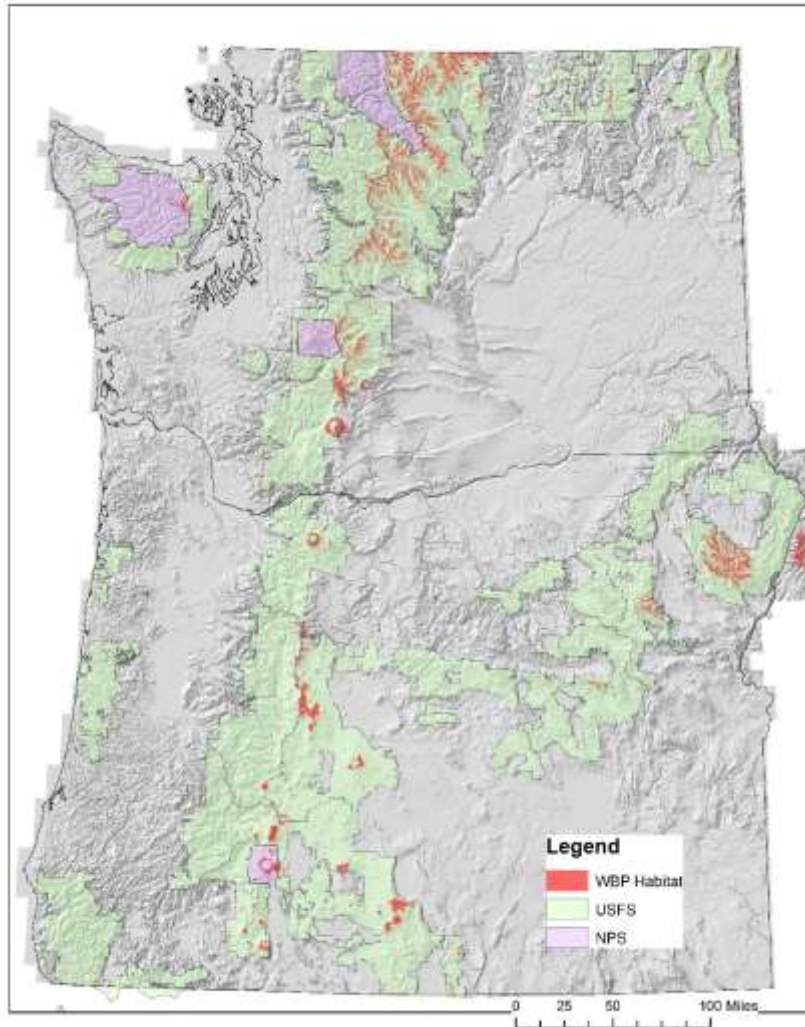




# WBP Restoration in Oregon & Washington: past, present, future

**Andrew Bower**  
**WBP Summit**  
**Missoula, MT**  
**November 2017**

# WBP in Oregon & Washington

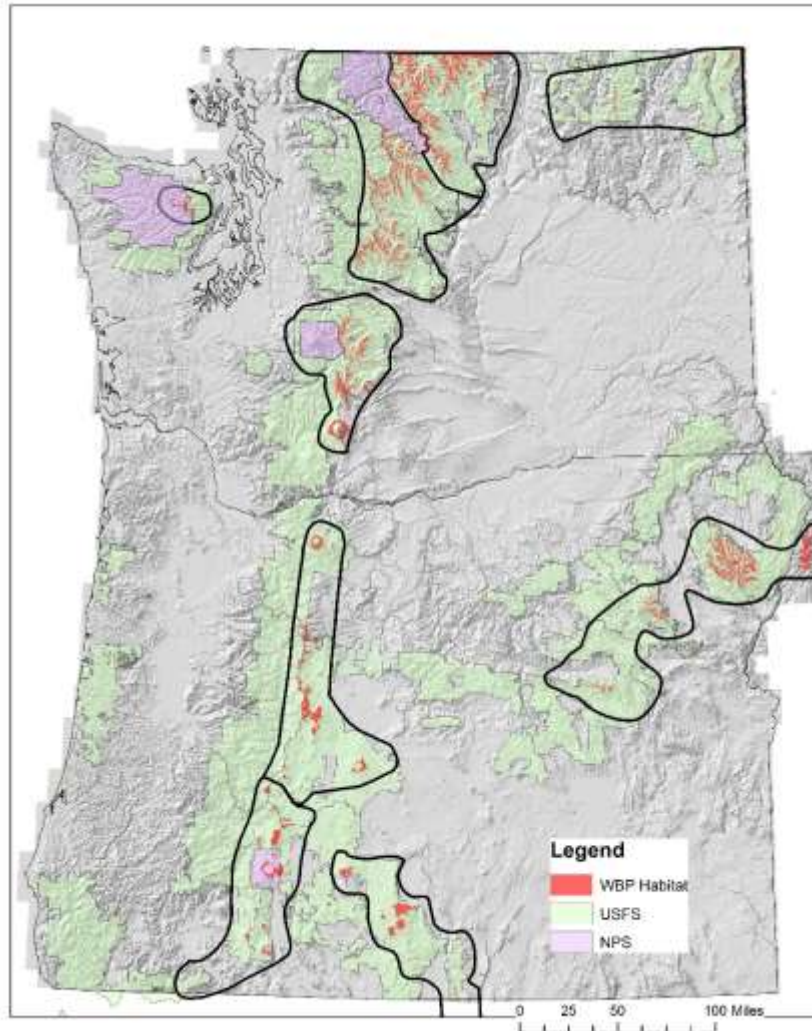


**~1.2 million acres of  
WBP habitat**





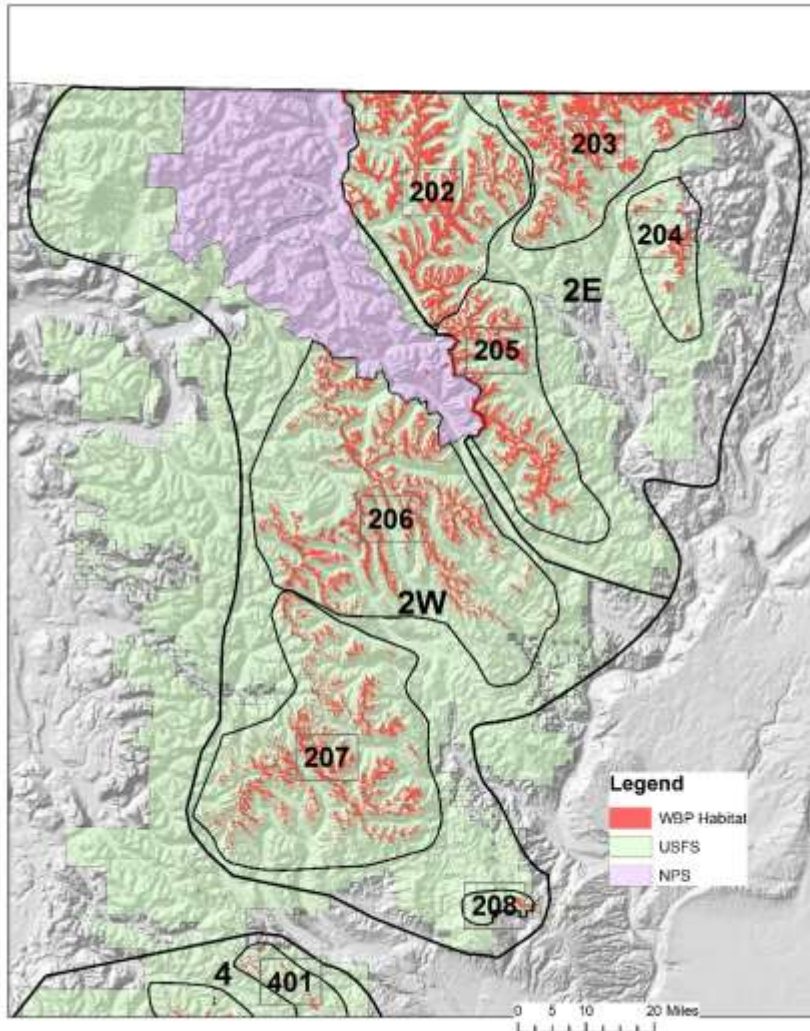
# WBP in Oregon & Washington



Habitat divided into 9  
seed zones



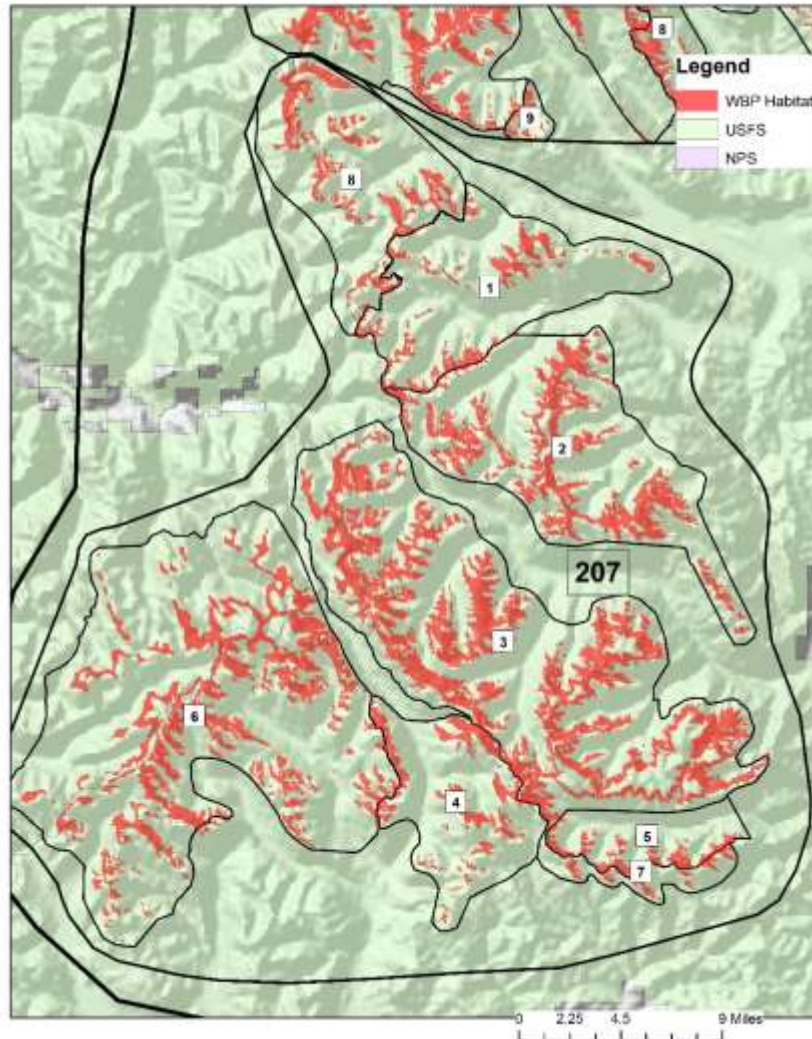
# WBP in Oregon & Washington



Seed zones subdivided into Conservation Areas



# WBP in Oregon & Washington

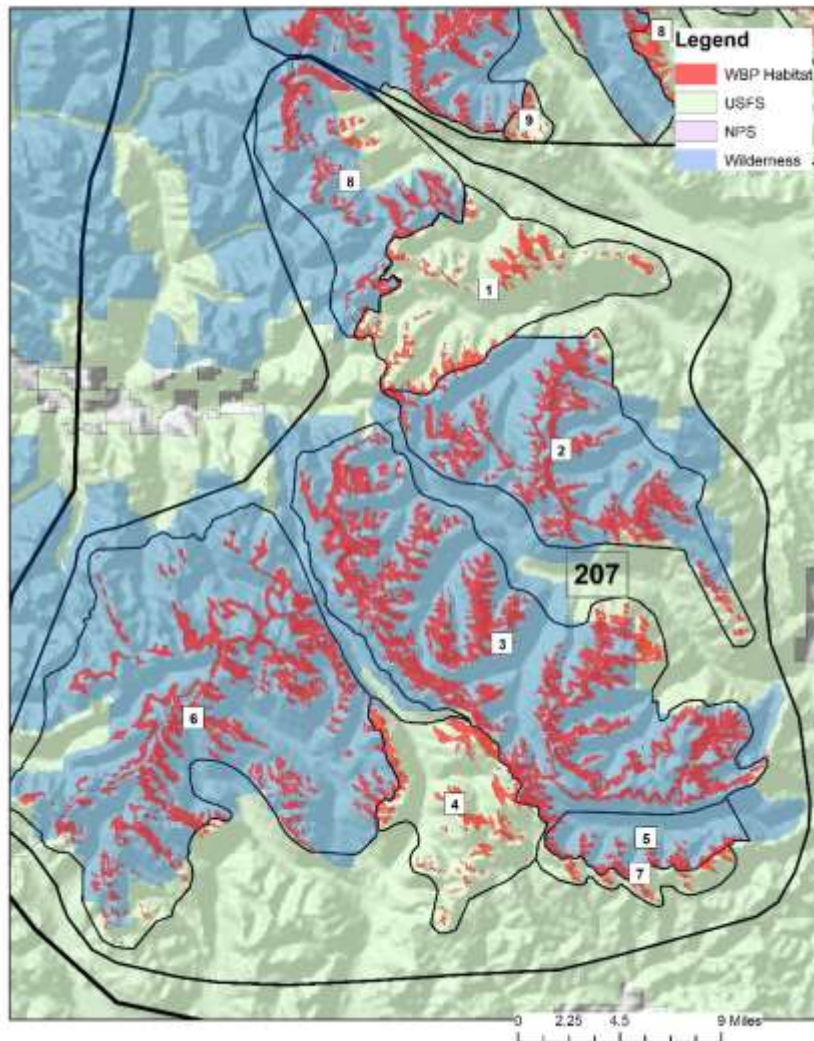


**Conservation Areas  
subdivided into  
Management Units**





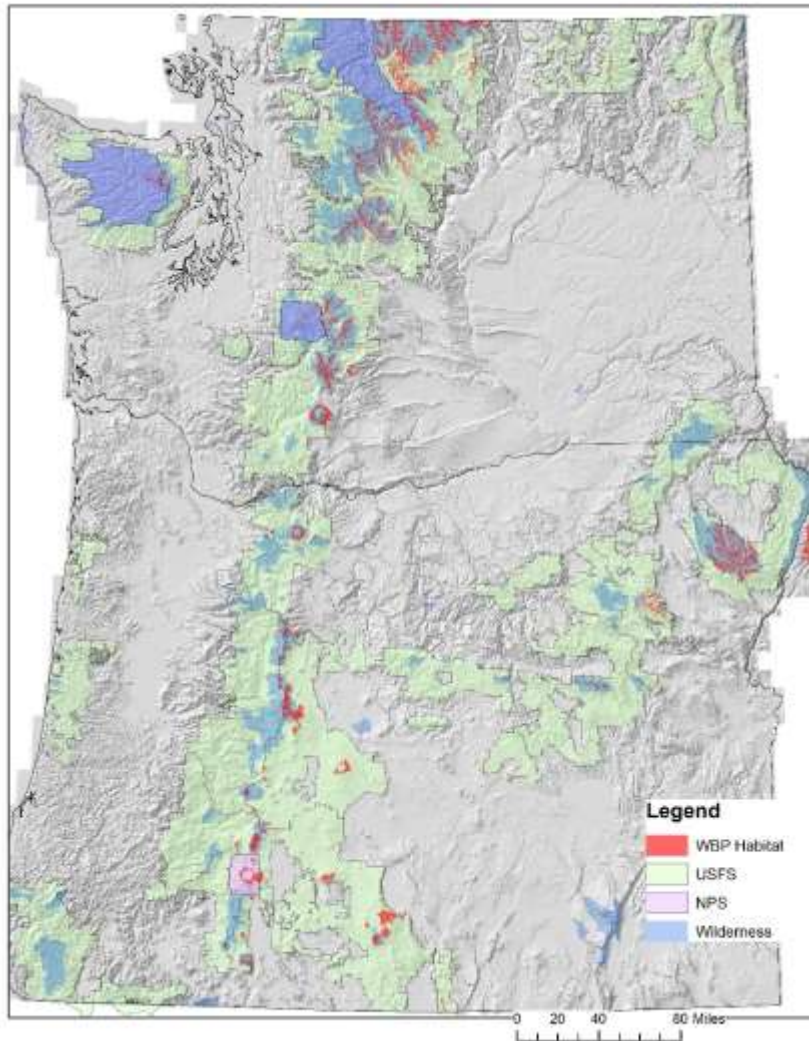
# WBP in Oregon & Washington



**~75% of WBP habitat  
on USFS lands is in  
designated Wilderness**



# WBP in Oregon & Washington

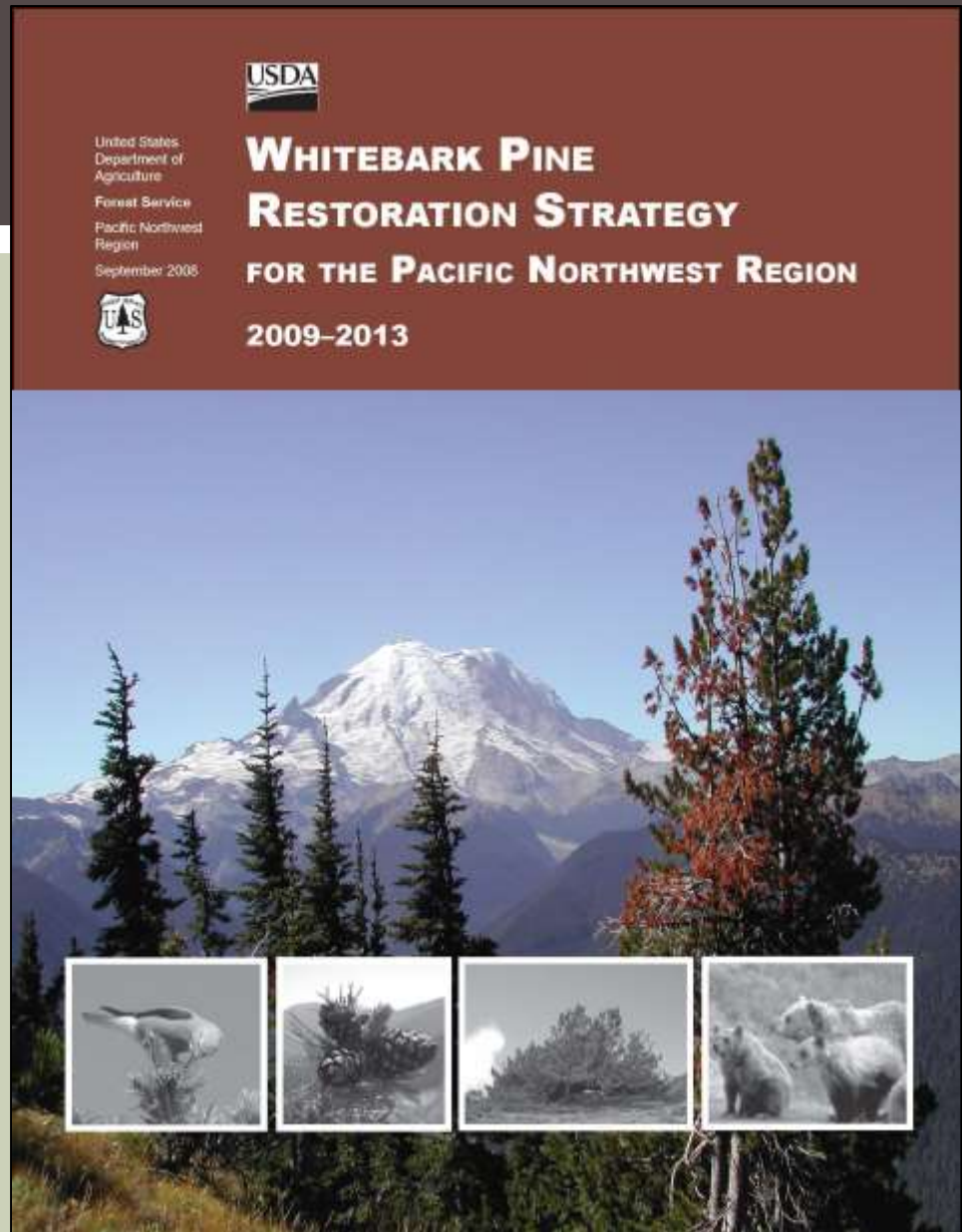


**Across all lands ~90% of  
WBP habitat is in  
Wilderness**

**~5% is in inventoried  
roadless areas**



# Forest Service Region 6 WBP Restoration Strategy





# WBP Restoration Program Goals

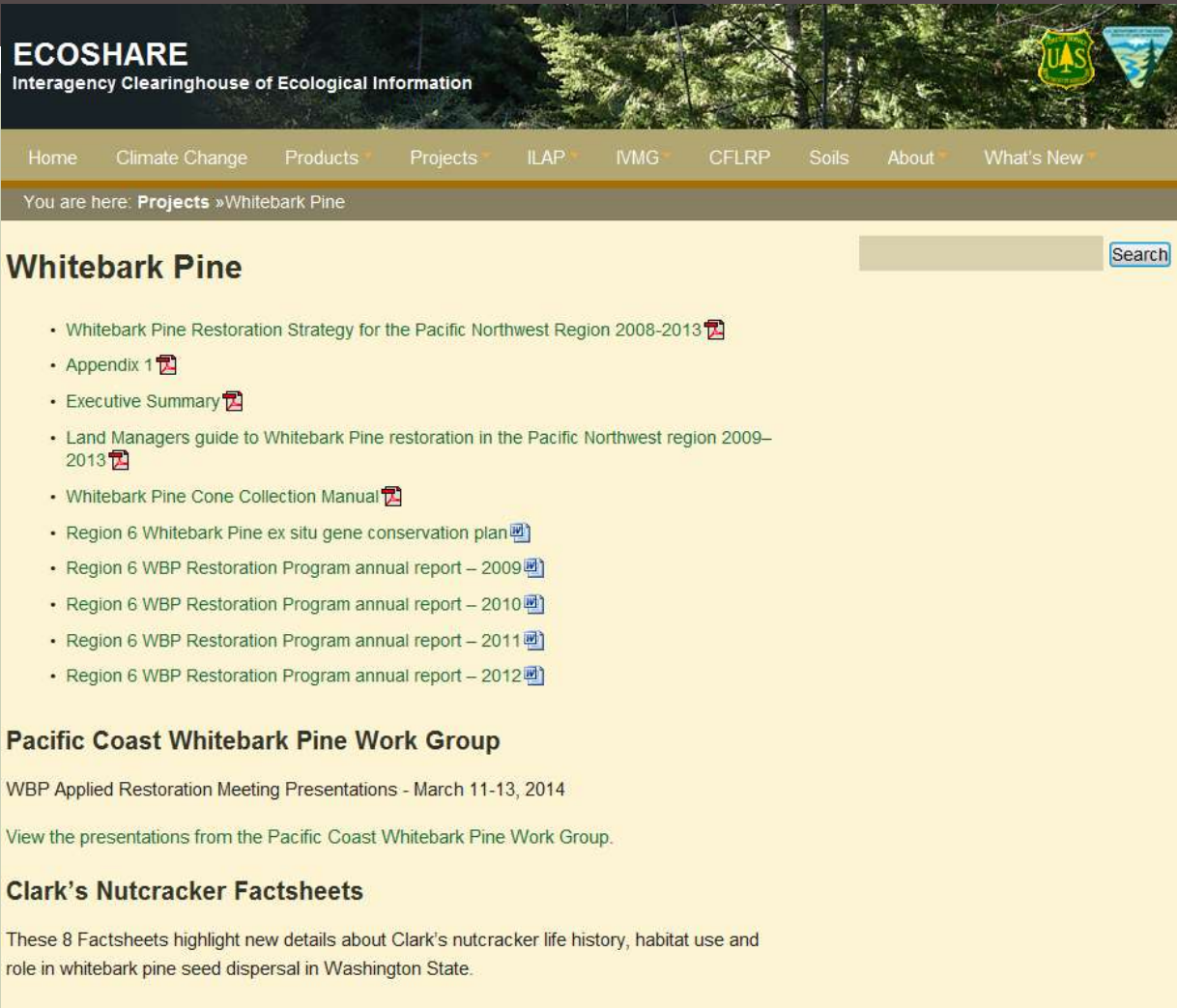
- **Long term:** to sustain a network of viable populations of WBP and associated species throughout the PNW
- **Short term:** to promote recovery of WBP in lieu of ESA listing.



# Key Actions Prescribed

- Restore areas affected by fire, mountain pine beetle, and WPBR by planting seedlings and thinning competing vegetation to reduce fuels and enhance cone production
- Collect seed for genetic conservation
- Increase genetic resistance to WPBR through selection, screening, and deployment of seed from resistant trees
- Evaluate health, stand condition, and restoration needs across the species range in OR/WA

# Where to find documents













**ECOSHARE**  
Interagency Clearinghouse of Ecological Information

Home Climate Change Products Projects ILAP IVMG CFLRP Soils About What's New

You are here: **Projects** » Whitebark Pine

## Whitebark Pine

- [Whitebark Pine Restoration Strategy for the Pacific Northwest Region 2008-2013](#) 
- [Appendix 1](#) 
- [Executive Summary](#) 
- [Land Managers guide to Whitebark Pine restoration in the Pacific Northwest region 2009–2013](#) 
- [Whitebark Pine Cone Collection Manual](#) 
- [Region 6 Whitebark Pine ex situ gene conservation plan](#) 
- [Region 6 WBP Restoration Program annual report – 2009](#) 
- [Region 6 WBP Restoration Program annual report – 2010](#) 
- [Region 6 WBP Restoration Program annual report – 2011](#) 
- [Region 6 WBP Restoration Program annual report – 2012](#) 

### Pacific Coast Whitebark Pine Work Group

WBP Applied Restoration Meeting Presentations - March 11-13, 2014

[View the presentations from the Pacific Coast Whitebark Pine Work Group.](#)

### Clark's Nutcracker Factsheets

These 8 Factsheets highlight new details about Clark's nutcracker life history, habitat use and role in whitebark pine seed dispersal in Washington State.

<http://ecoshare.info/projects/whitebark-pine/>



# Program Priorities

- **Surveys and stand evaluation**
- **Seed collection**
- **Rust resistance screening**
- **Planting**
- **Thinning/fuels reduction**
  
- **Collaborations/partnerships**
- **Funding**

# Program Constraints

- **Funding**
- **Cone crops**
- **Lack of personnel**
- **Not perceived to be a high priority**
- **Not as much “bang for the buck” with respect to targets (timber and fuel)**
- **Wilderness**

# What's Next?

- **Revise/update restoration strategy**
- **Collect seed**
  - Continue/accelerate rust resistance screening
  - Outplantings (especially with seed from resistant parents)
- **Collection of scion from rust resistant parents for grafting into preservation/seed orchards**
- **Increasing planting and thinning/fuels reduction treatments**



“Do what you can, with what you have,  
where you are” - Teddy Roosevelt

