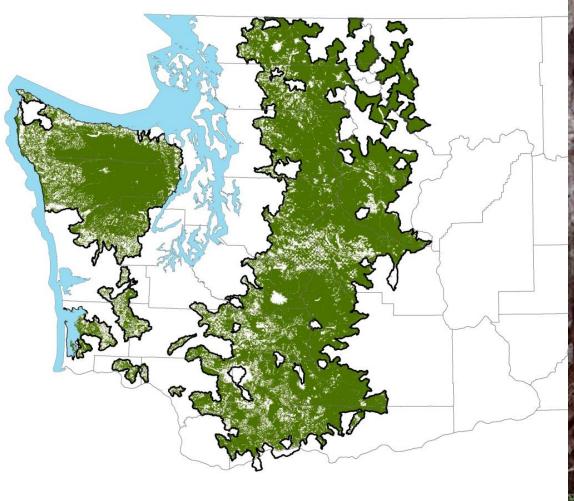


Listing Status

- 1988: designated as endangered by Fish & Wildlife Commission
- 1990: ESA listed as threatened
 - Loss & degradation of habitat
- Periodic Status Review presented to Fish & Wildlife Commission in January 2016
- Decision by Fish & Wildlife Commission expected March 2016



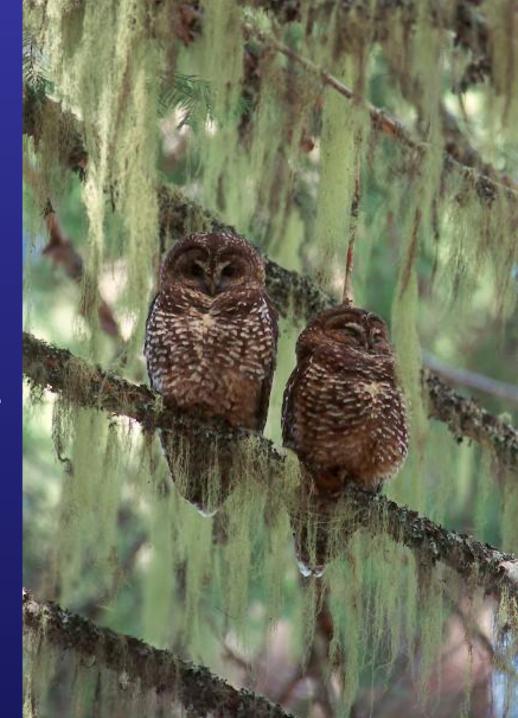
General distribution in WA





Home Range

- WA home ranges are largest documented
- Olympic Peninsula:
 median home range =
 14,232 acres (~4,411 27,298 acres), or a
 2.7-mile radius circle
- Cascade Range:1.8-mile radius circle



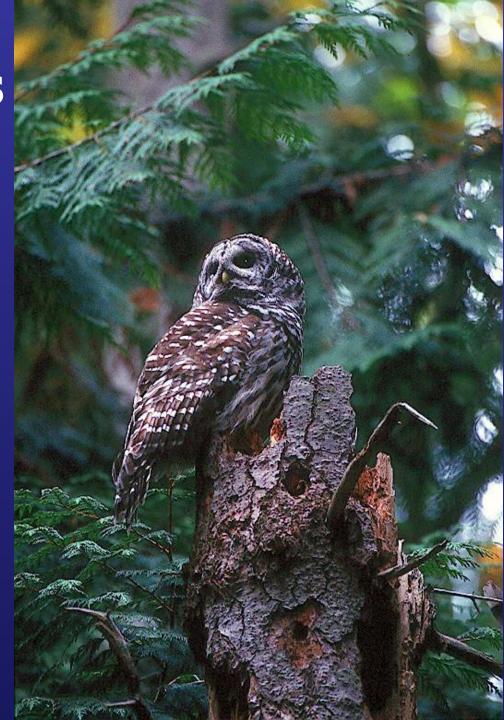
Habitat

- Nesting, roosting, foraging & dispersal
- Structurally complex mature and old forest
 - Large snags & downed wood, multiple canopy layers, moderate to high canopy closure
 - Mistletoe important habitat feature in the eastern Cascades



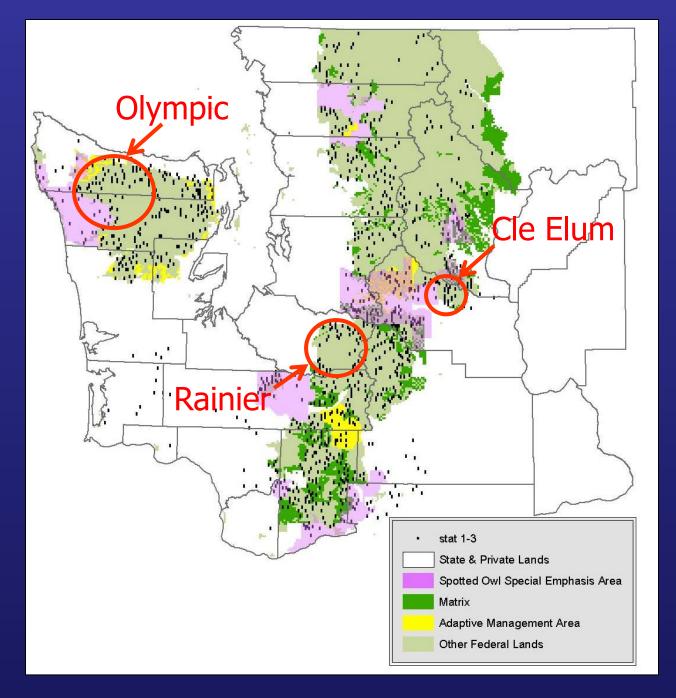
Limiting Factors

- Habitat loss
 - Harvest
 - Fire
 - Windthrow
 - Insects/disease
- Other factors:
 - Barred Owls
 - Predation
 - Weather
 - Disease (e.g. West Nile Virus)

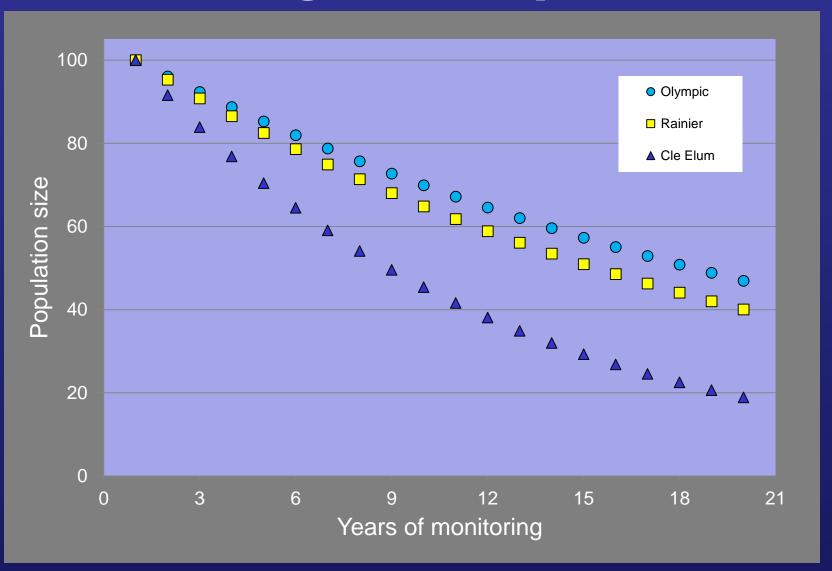


Population Status

- NSO populations declining in 7 of 11 study areas range-wide (Dugger et al. 2016)
- Declines most substantial in WA and N. OR
- Three demography study areas in WA:
 - Cle Elum rate of change: -8.4% / year
 - Olympic rate of change: -3.9% / year
 - Rainier rate of change: -4.7% / year



Rate of Change in Washington Study Areas



Summary

- NSO populations continue to decline in WA; WDFW recommended no change in status of NSO (endangered)
- Recovery requires a continued focus from all conservation partners on minimizing threats and implementing conservation actions including incentive-based programs

