

Effects of Fire on Small Mammal Communities of the Pacific Northwest



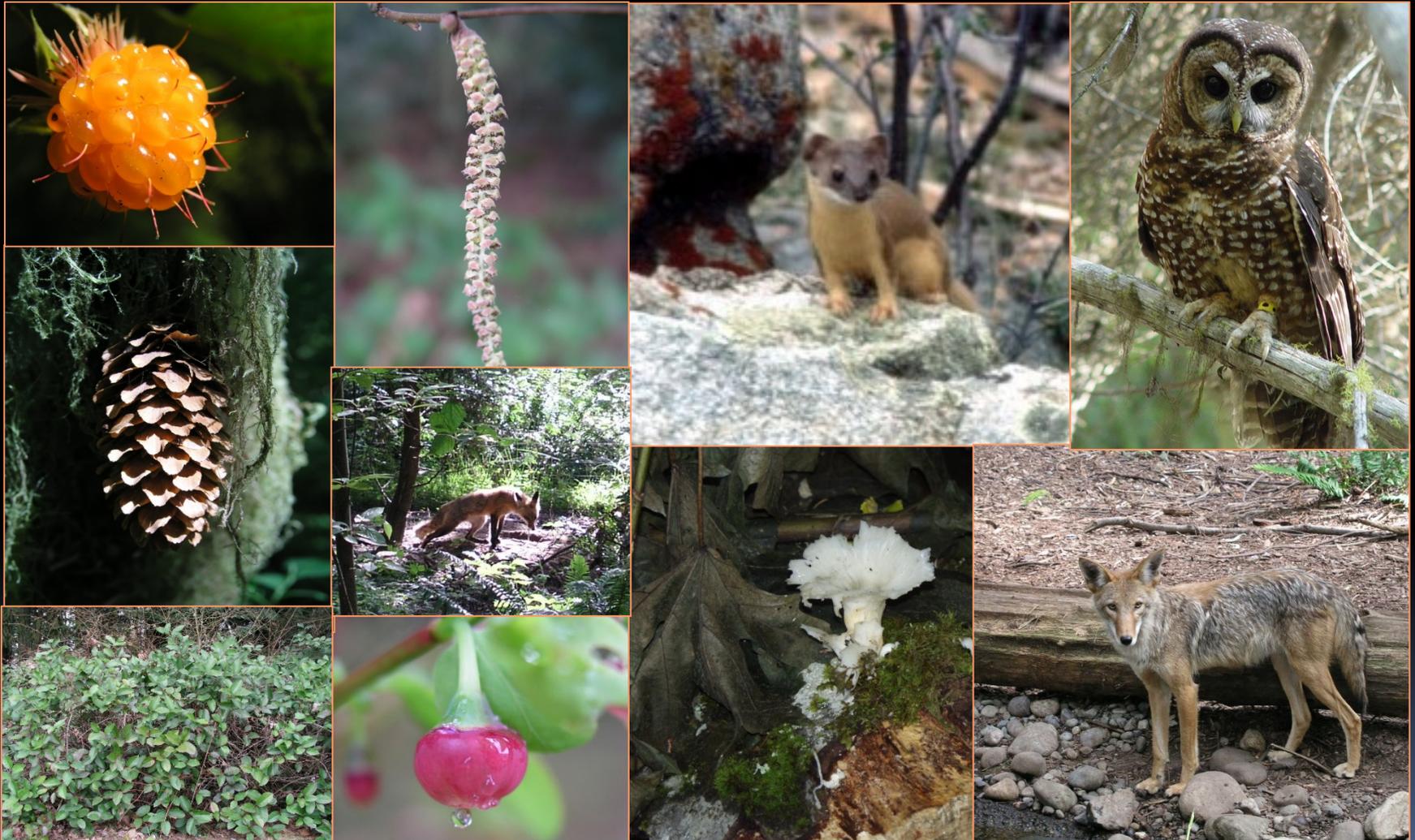
Todd M. Wilson, Ph.D.
US Forest Service, PNW Research
Station
Nov 19, 2020

1991-Present

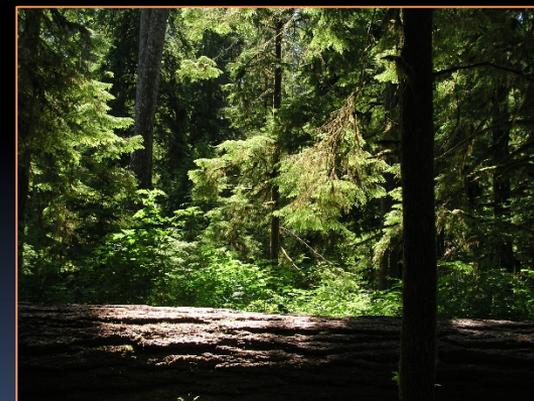


todd.wilson@usda.gov

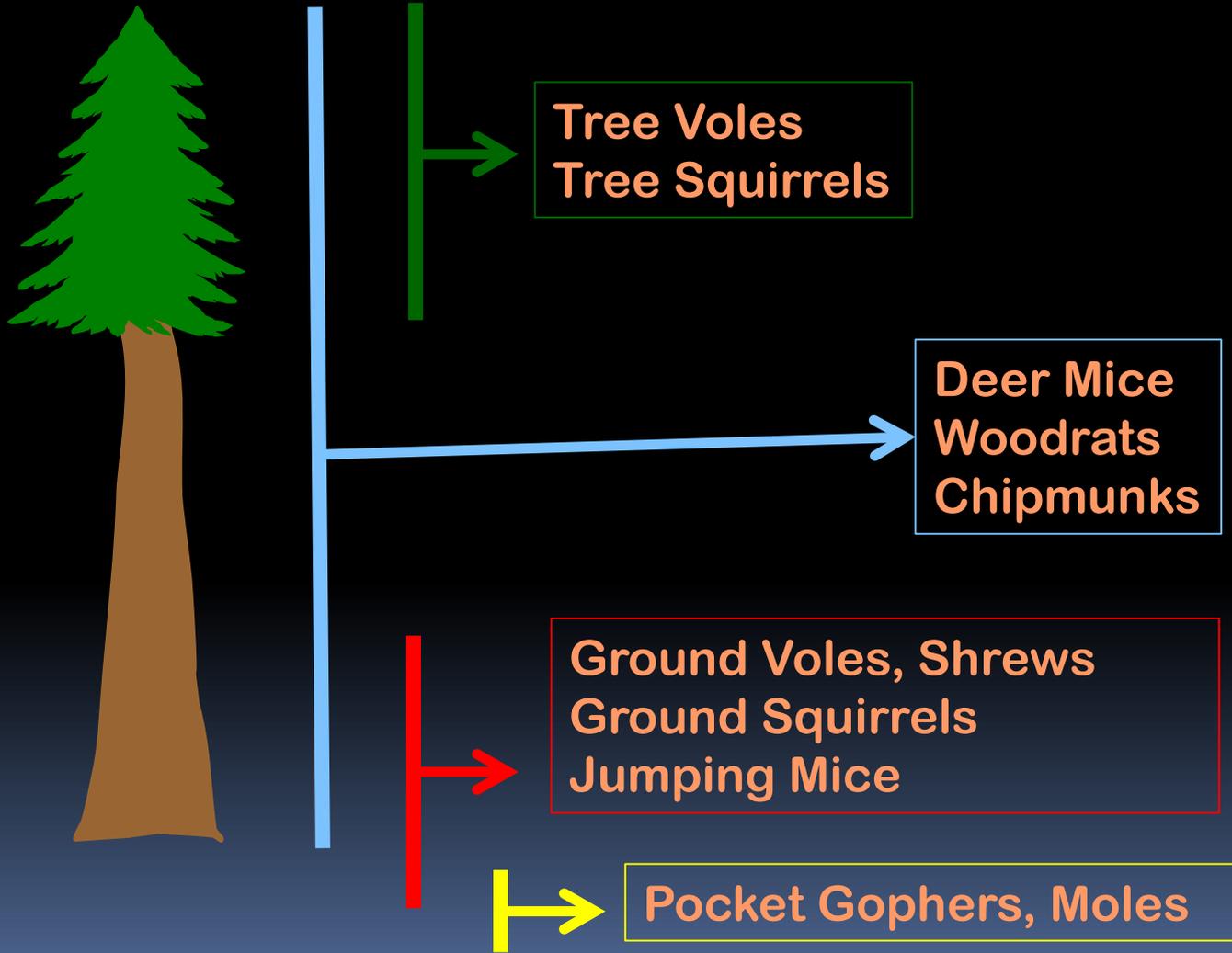
Why Small Mammals?



Variety of Fire and Management Histories



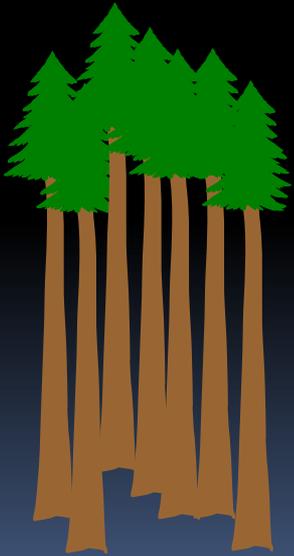
PNW Small Mammals



Deer Mice



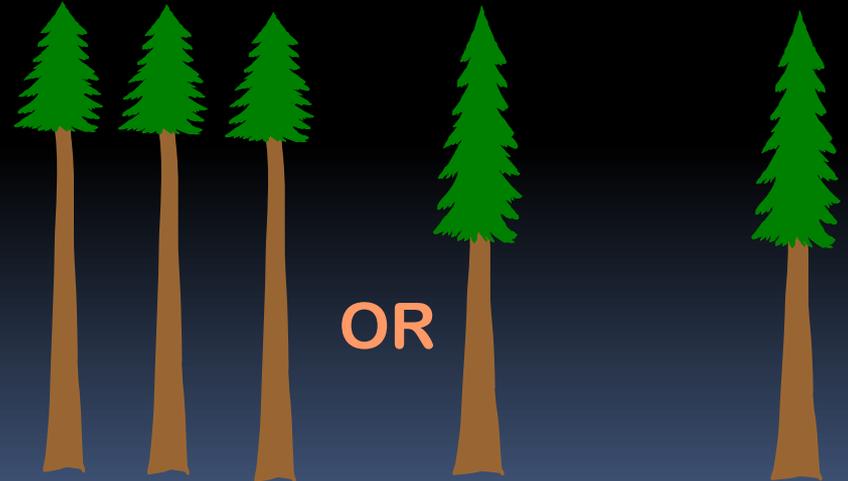
Flying Squirrels



OR



OR



High Abundance

Low Abundance

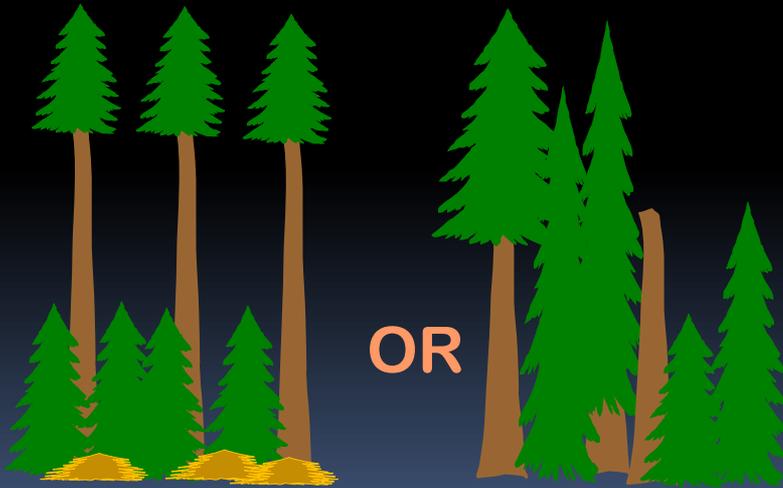
Woodrats



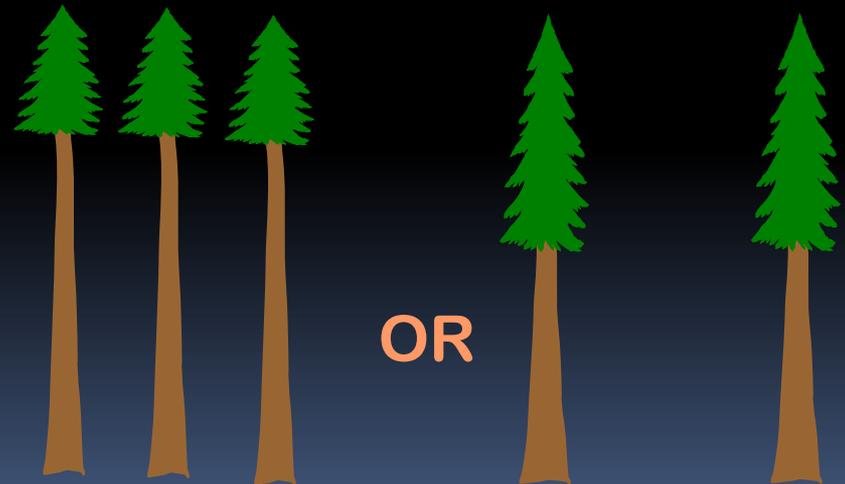
Dusky-footed



Bushy-tailed



High Abundance



Low Abundance

A Tale of Two Chipmunks



Townsend's



Siskiyou



Western Gray Squirrels



Summary

- Hypothesis generating
- Fire severity and extent
- Change from late to early seral
- Winners and losers will change over time
- Fire prescription options
- Need for more fire-related data

