



State Wildlife Action Plan 2015 Update

Southern Cascades Ecoregion

Montane Conifer and Hardwood Forest

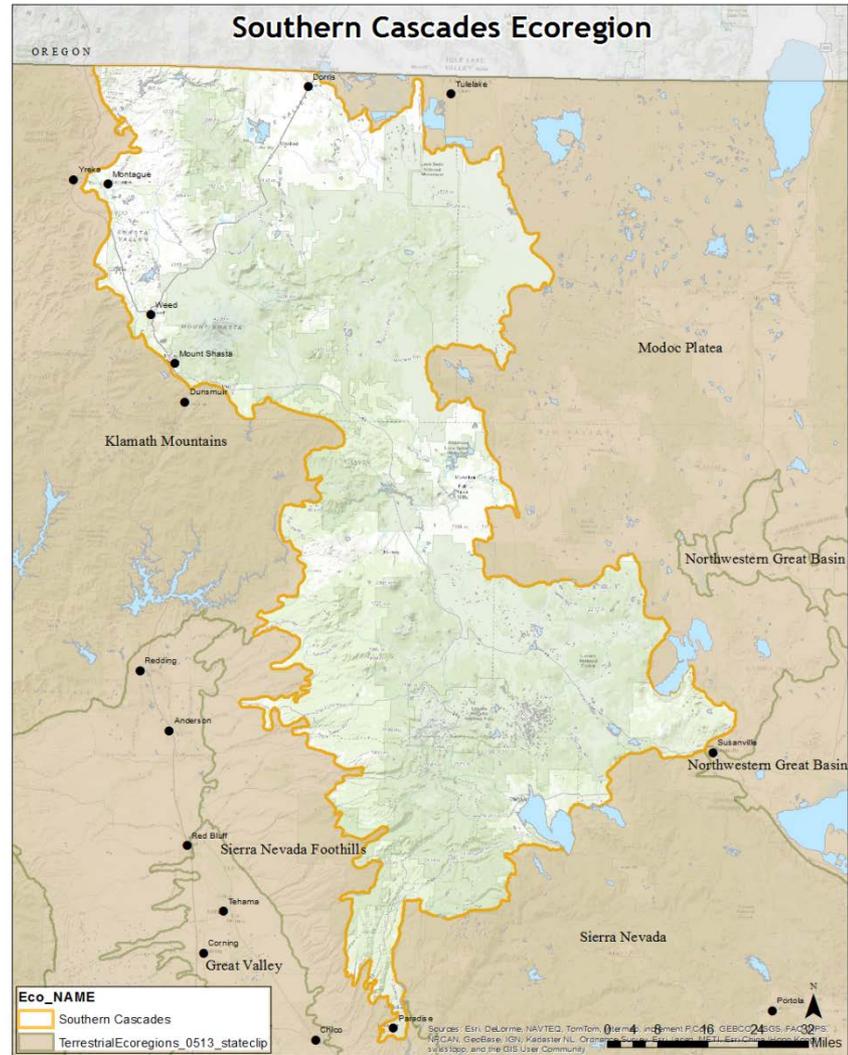
South Lake Tahoe Public Meeting

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Southern Cascades Ecoregion

- Bounded by Great Basin, Klamath Mountains and Sierra Nevada Mtns.
- Southern limit of Cascades
- Volcanic Mountains
- Mt. Shasta and Mt. Lassen
- Elevations 1500 -14,000 ft.
- Public Lands: USFS, BLM, NPS
- Many unique endemic species



Southern Cascades Ecoregion Habitats

- Montane Conifer forest*
- Temperate Grassland *
- Sagebrush Steppe
- Riparian Forest and Scrub
- Oak Woodlands
- Alpine zone
- Wetlands, fens, bogs
- Vernal pools



Photo: Ken Morefield, CDFW

Montane Conifer and Hardwood Forest

- Dominated by conifers with hardwoods mixed
- Widely distributed in Ecoregion
- Striking vegetation zonation with elevation
- Important conifers: ponderosa pine, jeffrey pine, sugar pine, douglas fir, incense cedar
- Important hardwoods: black oak, white oak, tanoak



Mt. Shasta from McCloud area

Photo: Richard Lis, CDFW

Species of Concern



Sierra Nevada Red Fox
Photo: Jennifer Carlson, CDFW



Species of Concern

Mammals

- Snowshoe Hare
- Pacific fisher
- Long-eared Myotis
- Ring-tailed cat



Wolverine

Photo: Photographer Unknown, NPS



Badger

Photo: Miller, NPS

Species of Concern



Mountain Beaver

Photo: Dr. Lloyd Glenn Ingles
California Academy of Sciences



Northern Flying Squirrel

Photo: Dr. Lloyd Glenn Ingles,
California Academy of Sciences

Species of Concern

Reptiles & Amphibians

- Long-toed salamander
- Rubber Boa

Birds

- Golden Eagle
- Spotted Owl
- Yellow warbler
- Sooty Grouse
- Black swift



Western Tailed Frog
Photo: William Flaxington



Bald Eagle
Photographer Unknown

Environmental Stresses

- Changes in Natural Fire Regime
- Changes in Community Dynamics
- Changes in Biotic Interactions and Successional Processes
- Climate Change
- Increased Habitat Fragmentation
- Volcanic Activity



Cypripedium montanum

Photo: Richard Lis, CDFW

Porcupine

Photo: Ken Morefield, CDFW



Human Impacts

- Timber Harvesting
- Over-grazing
- Recreational activities
(summer and winter)
- Renewable Energy
- Fire and Fire Suppression
- Utility and Service Lines
- Invasive species
- Marijuana Growing



Strategies

- Landscape Planning on fire return intervals
- Outreach and education
- Assess role of fire in community dynamics
- Monitoring of species and populations
- Monitor spatial distribution and species composition and changes over time



Spiraea douglasii,

Photo: Richard Lis, CDFW



Great Blue Heron

Photo: Ken Morefield, CDFW