



Sarah Campe
Program Analyst
Sierra Nevada Conservancy

Overview

- Regional Context
- Why the Sierra Nevada matters to YOU
- The Sierra Nevada needs help
- How the Watershed Improvement Program can help
- Your role

The Southern Sierra

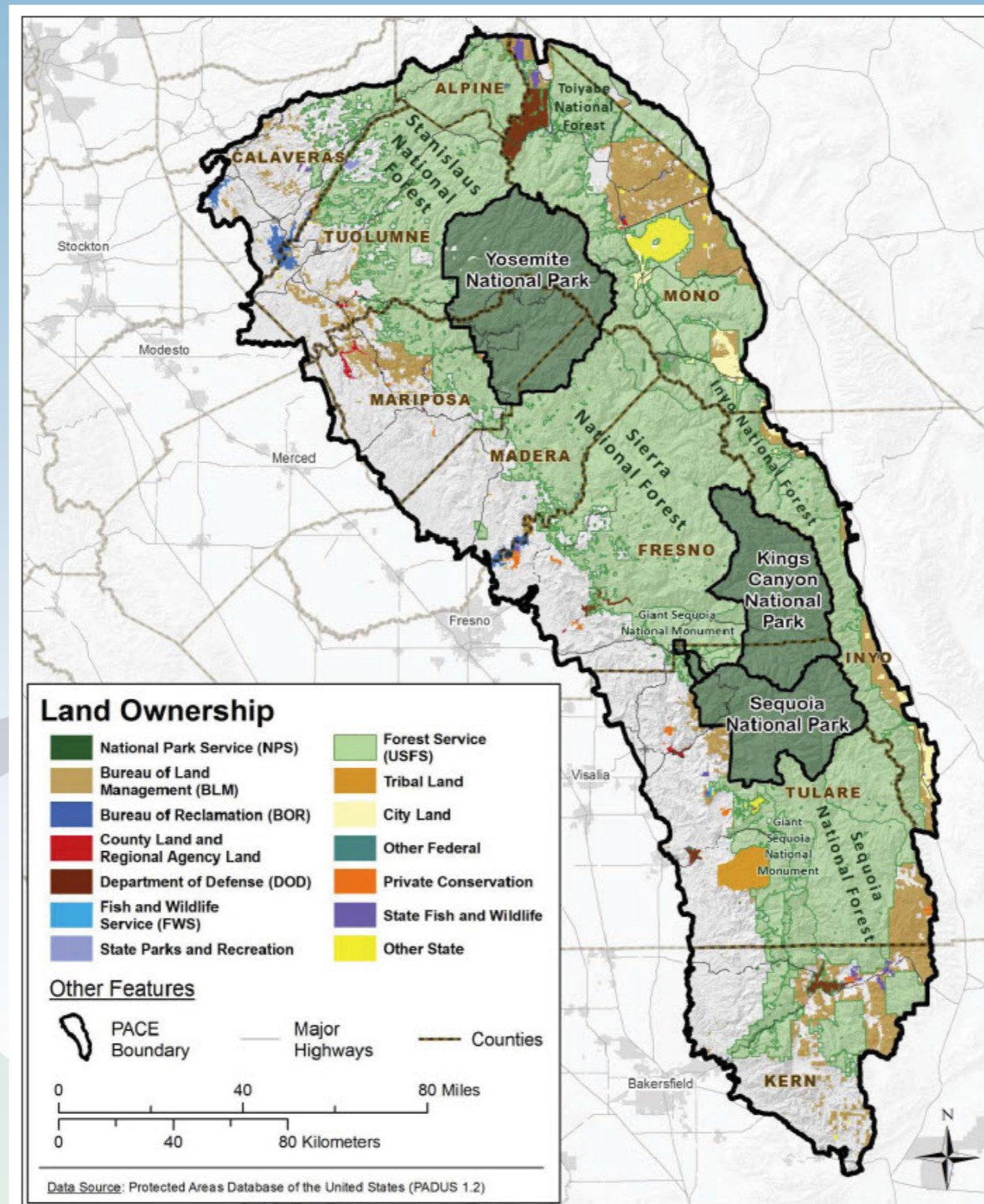


Figure 4.2.6: Land ownership in the PACE.

CALIFORNIA'S PRIMARY WATERSHED THE SIERRA NEVADA REGION

Provides **more than 60%**
of CA's developed water
supply, which nourishes:

- › communities
- › agriculture
- › industry

LEGEND

Avg Precip (in/year)

- 2 – 15
- 16 – 32
- 33 – 53
- 54 – 81
- 82 – 149

Water Sources/Destinations

- SNC boundary
- major watersheds
- water flow & direction
- major water destinations
- major metropolitan areas

Sources: The Nature Conservancy, Environmental Protection Agency, Esri, Sierra Nevada Conservancy

Sierra Nevada Forests aren't healthy



Photo: *U.S. Forest Service*



Photo: *U.S. Forest Service*



Photo: *KFIAM640*

Sierra Nevada Meadows are in a degraded condition



What we're seeing now...



Unprecedented Tree Mortality

Photo: *California Department of Fish & Wildlife*

What we're seeing now...



Fire severity is increasing

Why is the Watershed Improvement Program Needed?



Water supply systems at risk



Why is the Watershed Improvement Program Needed?



Fish Egg Mass Pre and Post King Fire 2014

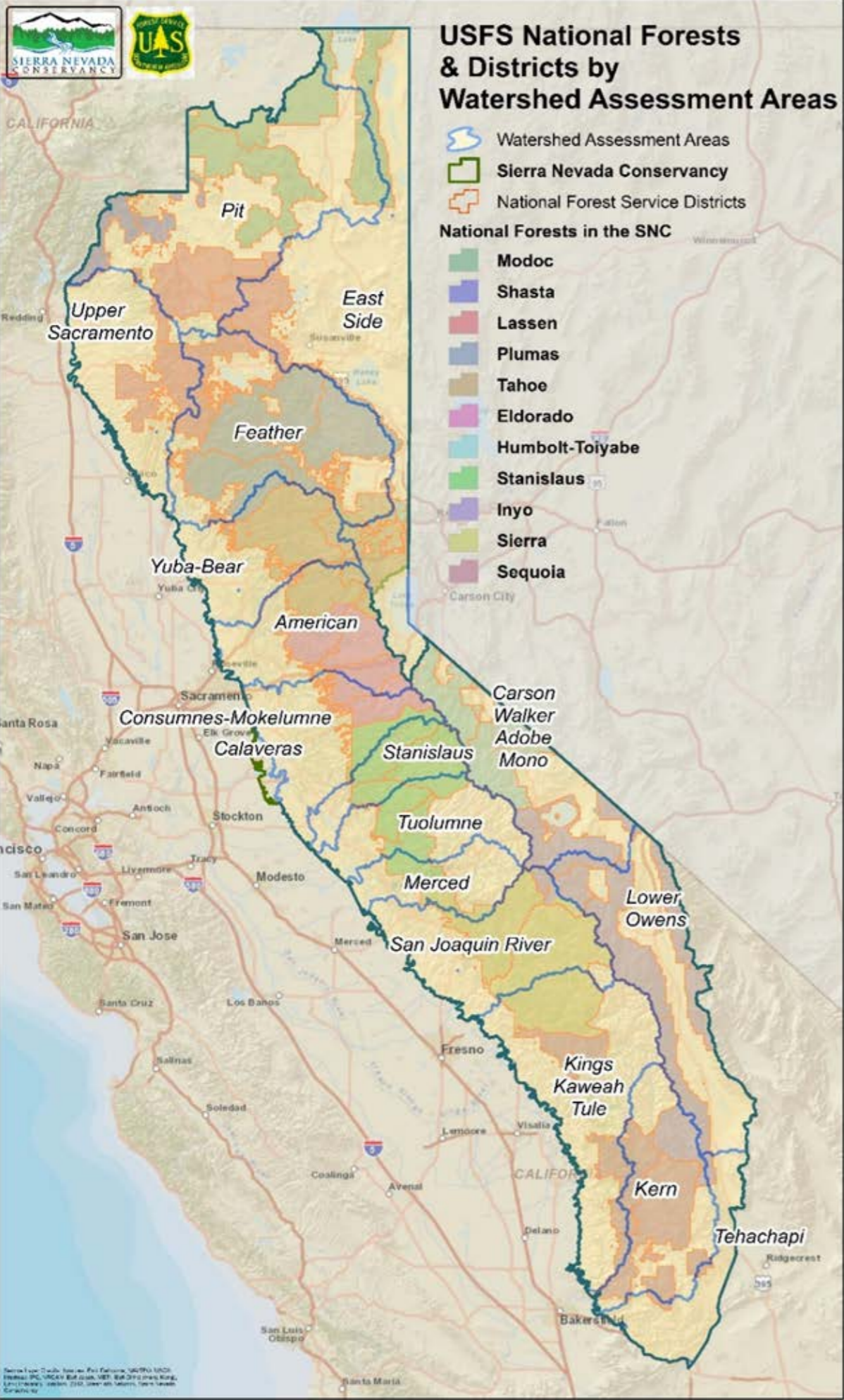
Photos: *Courtesy of UC Davis*

Why is the Watershed Improvement Program Needed?



Photo: CAL FIRE (Rim Fire)

Severe wildfires release huge quantities of greenhouse gases

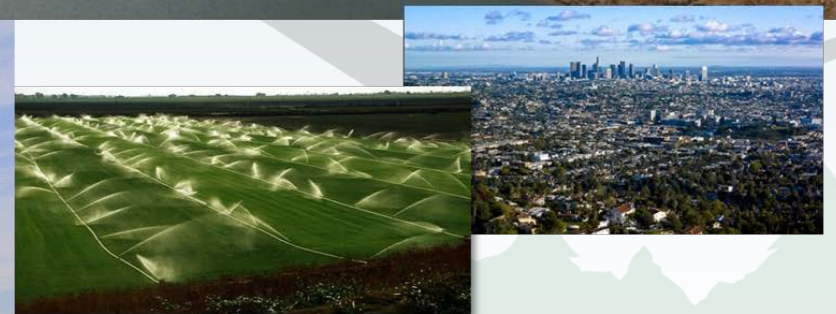


Many Sierra Nevada Forested Watersheds Are in Need of Restoration



Watershed Improvement Program Focus Areas

- Increasing investment in restoration.
- Address key policy issues affecting restoration.
- Increase infrastructure needed for restoration.



Where you fit in

- **Support**
 - Communication
 - Funding
 - Ground level coordination
 - Need/project identification
 - Stakeholder involvement
- **Advocate!**
- **Connect the dots between a happy Sierra and...**

**For more information on the
Sierra Nevada Watershed Improvement
Program,
or to get involved, visit:**

WWW.RESTORETHESIERRA.org

sarah.campe@sierranevada.ca.gov
[\(559\) 565-3727](tel:(559)565-3727)



WWW.SIERRANEVADA.CA.GOV