



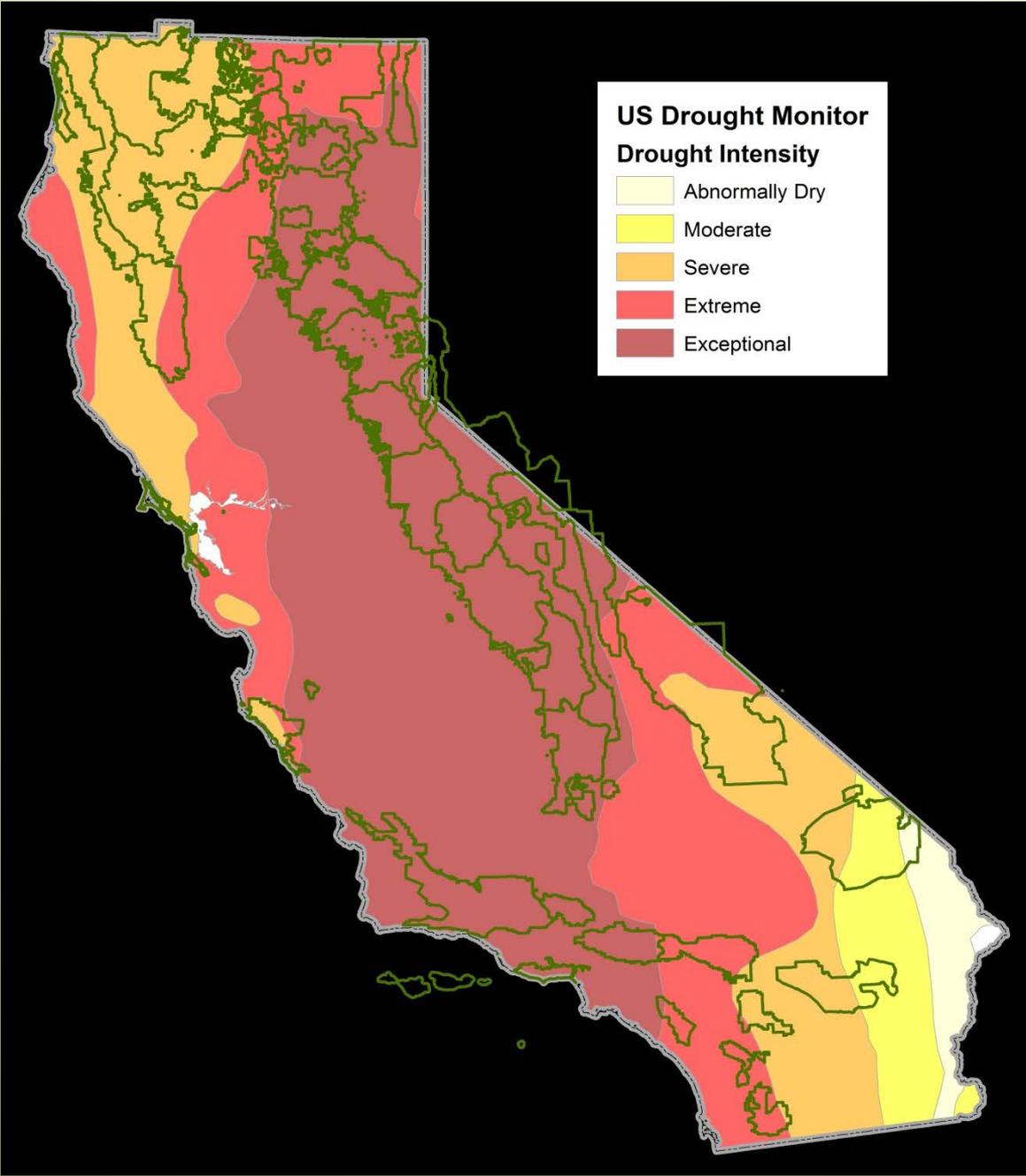
# 2015 USFS R5 Aerial Survey

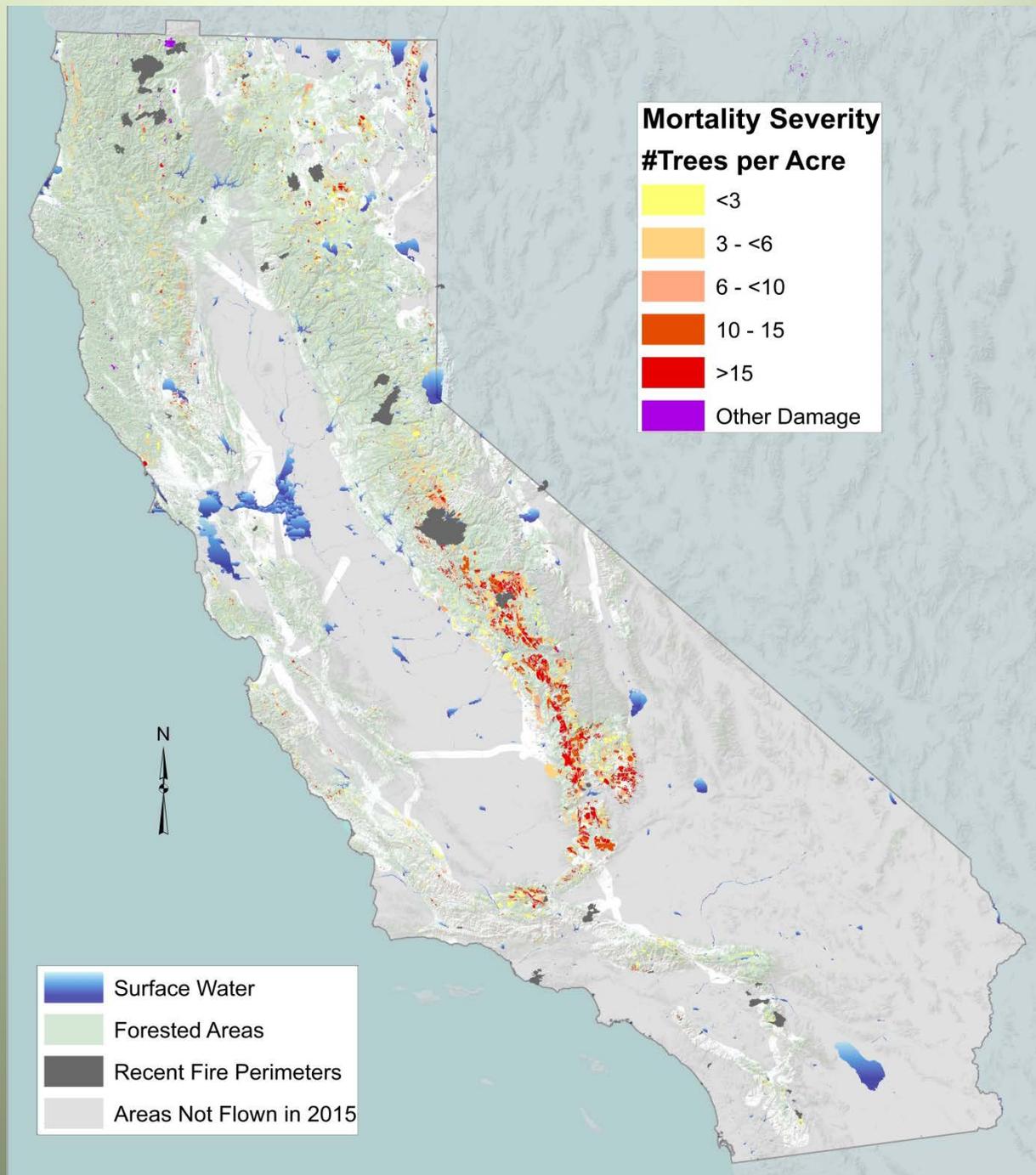
Summary and Synopsis

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# Survey Highlights

- Over 45 million acres flown in CA
- Estimated almost 3 million acres of forested lands with elevated levels of tree mortality up from about 900,000 acres in 2014 (CA has an estimated 33 million acres of forested land)
- Estimated over 29 million trees recently killed up from approximately 3.3 million in 2014 (How many trees are there in CA?)

# Survey Highlights Continued

- Species Most Affected (Impacted)
  - Pine – particularly Ponderosa, Jeffrey and pinyon
  - Fir – white fir but also California red fir
  - Other conifers – incense-cedar, Douglas-fir
  - Oaks – live oak, blue oak

# Damage Causal Agents Synopsis

- GSOB is still active at about the same rate as previous years
- SOD had another moderate decline in activity
- Douglas-fir tussock moth population crash
- Other exotics not detected per se

# Special Surveys

- Blowdown event survey on the Lassen NF, February 2015
- April survey of Southern California and South Sierra Nevada Range
- Aspen detection on the Lassen NF, October 2015
- American fire mortality survey, October 2015



## **Low Elevation Pine Mortality**

Broad overview of lowland pines along the Southern Sierra Nevada Range Sequoia NF



## **Pinyon Pine Mortality on the Los Padres NF**

Areas north of Mt. Pinos



**Pinyon Pine Mortality in the Scodie Mtn. Range**



## **Blue Oak in the Valley Foothills**

This picture was taken in June 2015



## **White Fir Mortality in the Southern Sierra Nevadas**

Other conifers and oaks are also affected



# Acknowledgements

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- Other Surveyors – Zachary Heath R6, Kathleen Mathews and Chad Nelson R4
- R5 State and Private Forestry

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