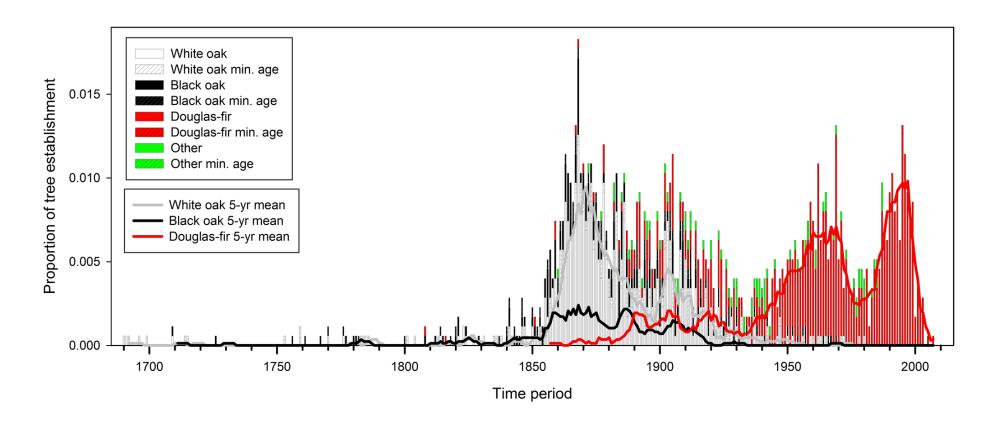


Conifer encroachment in North Coast deciduous oak woodlands



Time since fire/disturbance

Dates of tree establishment



*From Tools for a Changing Landscape, a previous UCANR Competitive Grants-funded project

Effects of conifer encroachment



Fuels accumulations

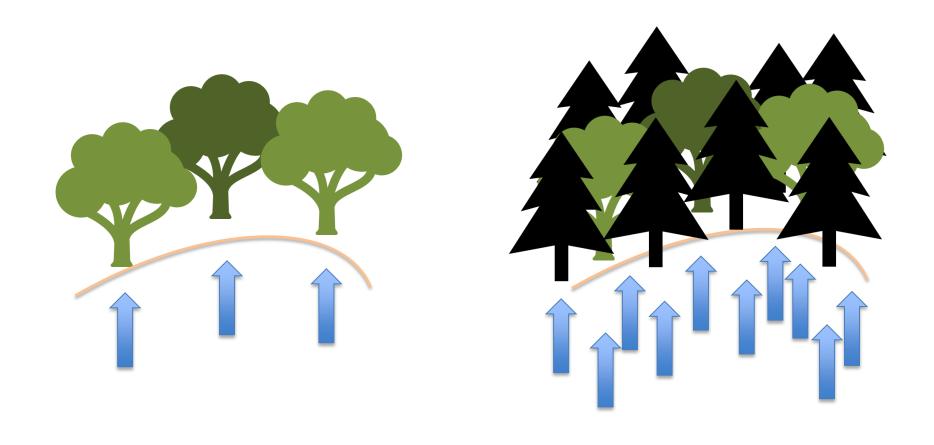


Loss of herbaceous biodiversity and forage



Oak mortality

What about water demands?



Silent Straws – project goals

- Goal 1: Quantify effect of conifer removal on soil moisture and water availability
- Goal 2: Assess economic tradeoffs of managing for conifers versus oak woodlands/rangelands, including spillover benefits identified through previous research and in Goal 1
- **Goal 3**: Use air photos (1948 & 2016) to develop a detailed map of encroachment over time and to scale up economic analysis
- Goal 4: Extend results to landowners and land managers



