

# Sudden Oak Death in CA: P2 Plot Remeasurement



## Forest Health Monitoring Evaluation Monitoring Project

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Darkened area, with or without bleeding



SOD tree mortality

### Objectives

- ❑ Compare 1994 oak populations & mortality (pre-SOD) with current oak populations & mortality (post-SOD)
- ❑ Determine past & current fire risks
- ❑ Determine links between SOD and tree & stand attributes
- ❑ Improve accuracy of change maps produced by remotely-sensed data
- ❑ Update fire/fuels map

### Methods

- ❑ Visit FIA P2 plots with oak & tanoak in 8 CA counties with confirmed SOD: Napa, Marin, Monterey, Napa, San Benito, San Mateo, Santa Clara, Santa Cruz
- ❑ Collect FIA P2 core and regional data
- ❑ Collect wood samples from symptomatic trees & send to lab for confirmation of SOD
- ❑ Analyze data per objectives above



### Susceptible Tree Species Examined on Plots for SOD Symptoms

Tanoak (*Lithocarpus densiflorus*)  
Coast live oaks (*Quercus agrifolia*)  
Black oak (*Quercus kelloggii*)

### FY2001 Progress

- ❑ Aerial photos purchased, land owners contacted, 45 plots visited by FIA crews in 8 counties; data collected
- ❑ 2 plots with symptomatic trees; samples sent for confirmation of SOD pathogen (results pending)

### FY2002 Plans

- ❑ Visit remaining 50 plots
- ❑ Data processing, storage, compilation
- ❑ Data analysis and reporting



SOD bleeding



Special thanks to the FY01 SOD field crew: Barry Skolout, Sebastian DeLeon, Jacob Somerset, & Mike Boldt (all with PNW FIA, Portland, OR)