

bear damage









Armillaria root rot





decay on older trees











abiotic problems

drought!
sunburn
cold and heat
fire
salt
hail and wind
water stress
alkaline soils
ozone damage
lightning
golf balls

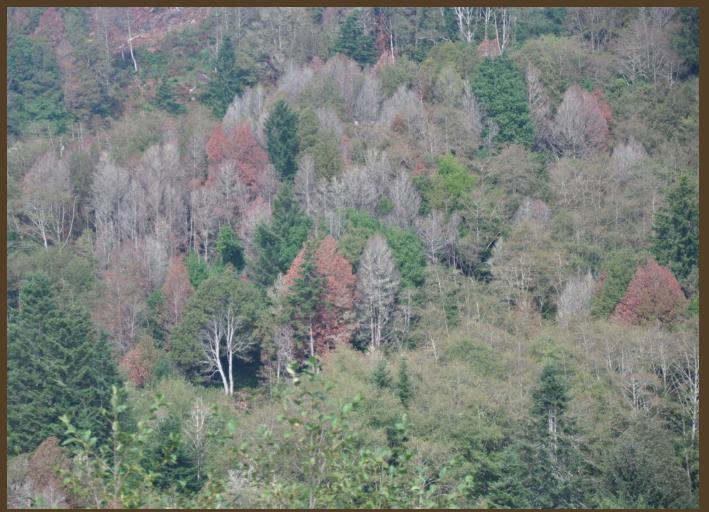


Phytophthora lateralis



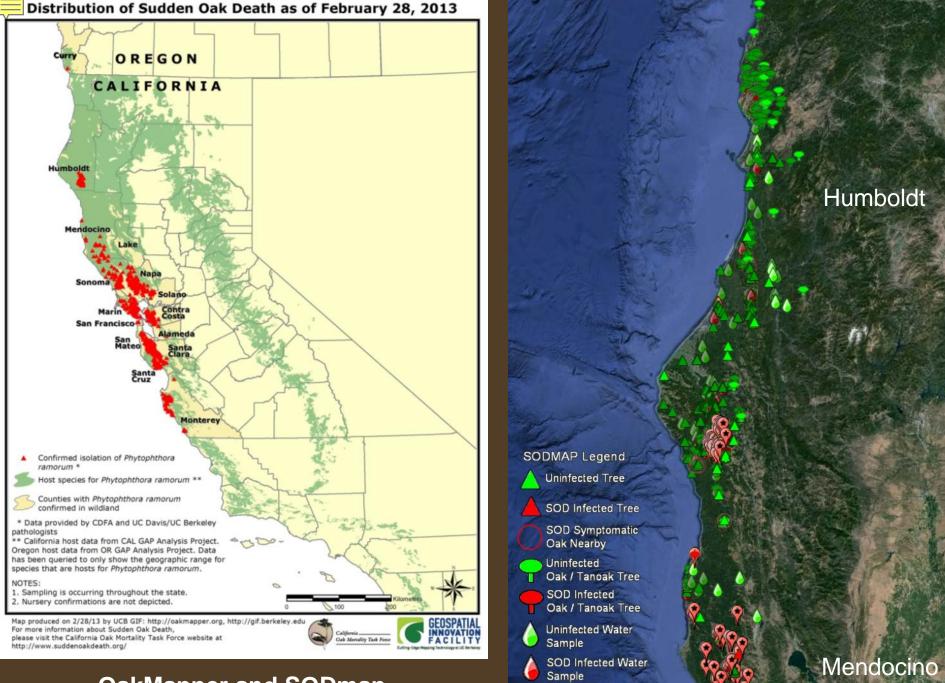
Phytophthora ramorum

Tanoak, coast live oak, CA black oak, Shreve oak, canyon live oak; PLUS many carrier (foliar) species









□ Tour Guide

OakMapper and SODmap

beetles

Douglas-fir Beetle (Dendroctonus pseudotsugae)



Fir Engraver (Scolytus ventralis)



Needleminer



Ponderosa Pine Twig Scale (Matsucoccus bisetosus)

Western Pine Beetle (Dendroctonus brevicomis)



Flatheaded Fir Borer (Phaenops drummondi)



Jeffrey Pine Beetle (Dendroctonus jeffreyi)



Mountain Pine Beetle (Dendroctonus ponderosae)



White Fir Sawfly (Neodiprion abietis)



Woodboring beetles and blue stain fungi



Puncturevine/Goatshead Tribulus terrestris

Isatis tinctoria



Dalmatian Toadflax Linaria dalmatica subsp. Dalmatica

Spotted Knapweed Centaurea biebersteinii

Squarrose knapweed C. virgata Lam. var. squarrose

