

# ***Friends of the Ahart Herbarium***

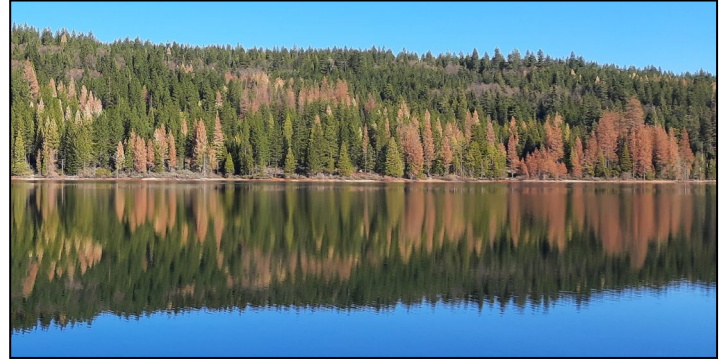
## **Forest Insects and Diseases of California Conifers**

### **Workshop and Fieldtrip**

*Tuesday, June 25<sup>th</sup>, 2024 - 9:00-4:00*

*Jonesville Snowpark*

Forest professionals are often asked to assess the health of trees within private and public lands. But making decisions on the health and probability of mortality trees can be complicated. There are many factors to assess and this workshop will present information to aid in the assessment of the health of trees, particularly California native conifers and oaks. Workshop participants will be shown examples in the field of the most common native forest insects and diseases that impact local forest health. Insects will



include a variety of bark and woodboring beetle species as well as foliage and sap feeders. Diseases will include root and bole decays, foliar pathogens, dwarf and true mistletoes and canker causing fungi. Additional abiotic agents may include drought, fire and weather damage. The basic biology and ecology of each pest agent will be presented with brief discussions of common management practices. This workshop has been submitted for ISA CEUs and the CEUs are to be determined.

***Danny Cluck, Forest Entomologist, US Forest Service, Susanville, CA.*** Danny has 27 years of experience working for the US Forest Service (USFS) in Northeastern California where he has studied post-fire bark and woodboring beetle activity and snag fall rates of fire-killed trees. He has also developed the fire-injured tree marking guidelines and hazard tree guidelines for the USFS Pacific Southwest Region. Danny's primary fields of interest are bark beetle ecology, forest stand dynamics and fire ecology.

***Bill Woodruff, Plant Pathologist, US Forest Service, Susanville, CA.*** Bill has 41 years of experience working for the USFS including 16 years as a forester in Utah, Oregon and California and 25 years as a plant pathologist in Northeastern California. He has extensive experience with post-fire salvage of fire-injured trees in Utah and California. Bill's primary fields of interest include root disease and dwarf mistletoes.

The workshop will run from 8:00-4:00 on Tuesday, 25 June 2024. Participants will meet at 8:00 at the Park-n-Ride on Highway 32 near Highway 99 in Chico. Wear clothing and boots suitable for hiking in forests with brush and downed trees and bring a hardhat if you have one. You may also encounter stinging insects so come prepared. Please bring your own lunch and water for the day.

The registration fee is \$110.00 personal, \$130.00 business, \$100.00 for members of the Friends of the Ahart Herbarium, and \$50.00 for students (only 2 seats available at the student price). Please register in advance; field trip size limited to 30 participants (field trip canceled without a minimum of 10 participants). For more information about the workshop content please contact Emily Doe at [Emily.Doe@usda.gov](mailto:Emily.Doe@usda.gov). For information about registration contact the Biology office at (530) 898-5356. Note: Instructions are on the [online registration](#) (click this link) form when paying with credit card or check. You will receive more information on workshop logistics closer to the date of the workshop.