

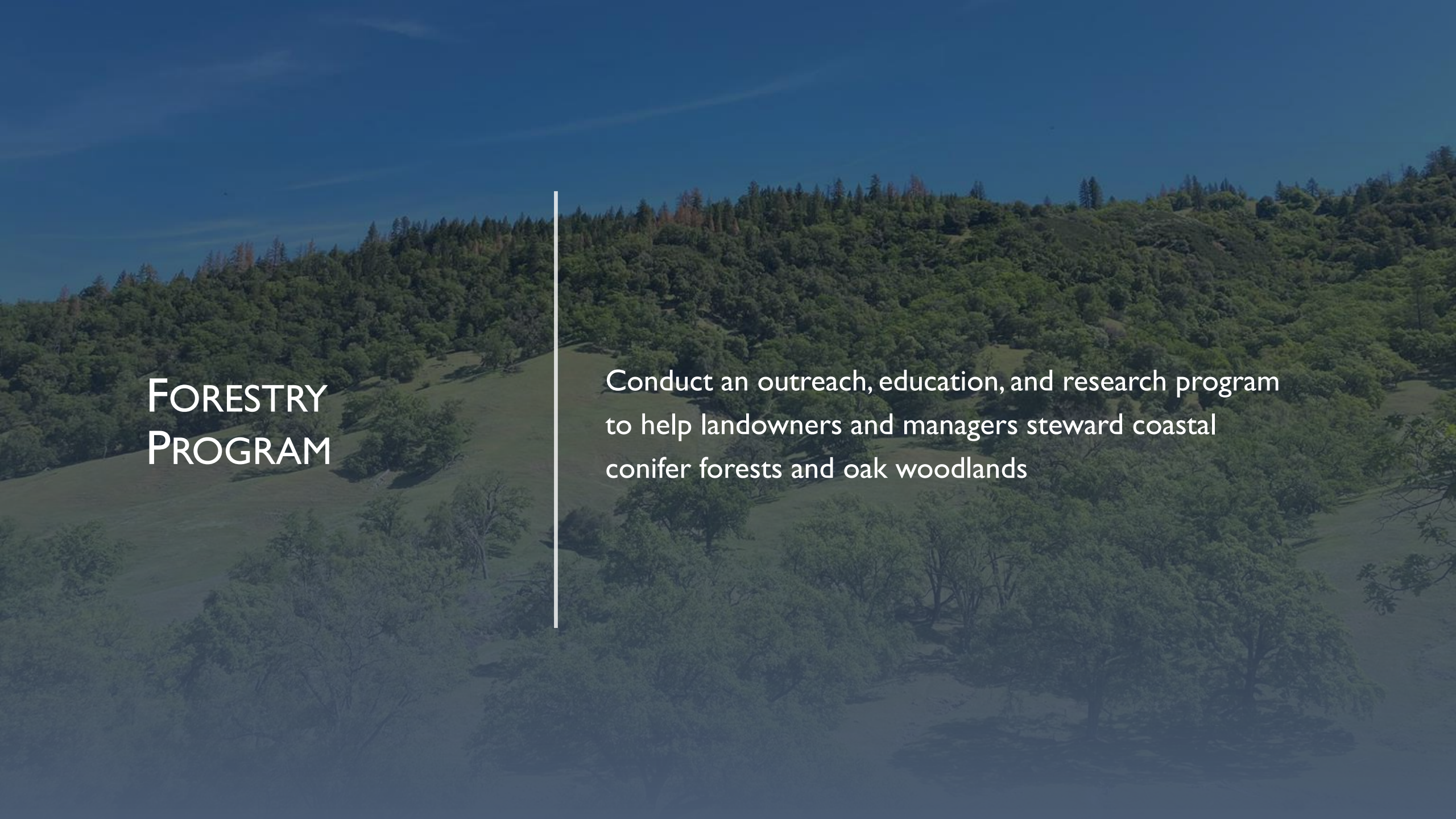
UCCE LAKE FORESTRY PROGRAM

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UC COOPERATIVE EXTENSION – MENDOCINO, LAKE, & SONOMA COUNTIES



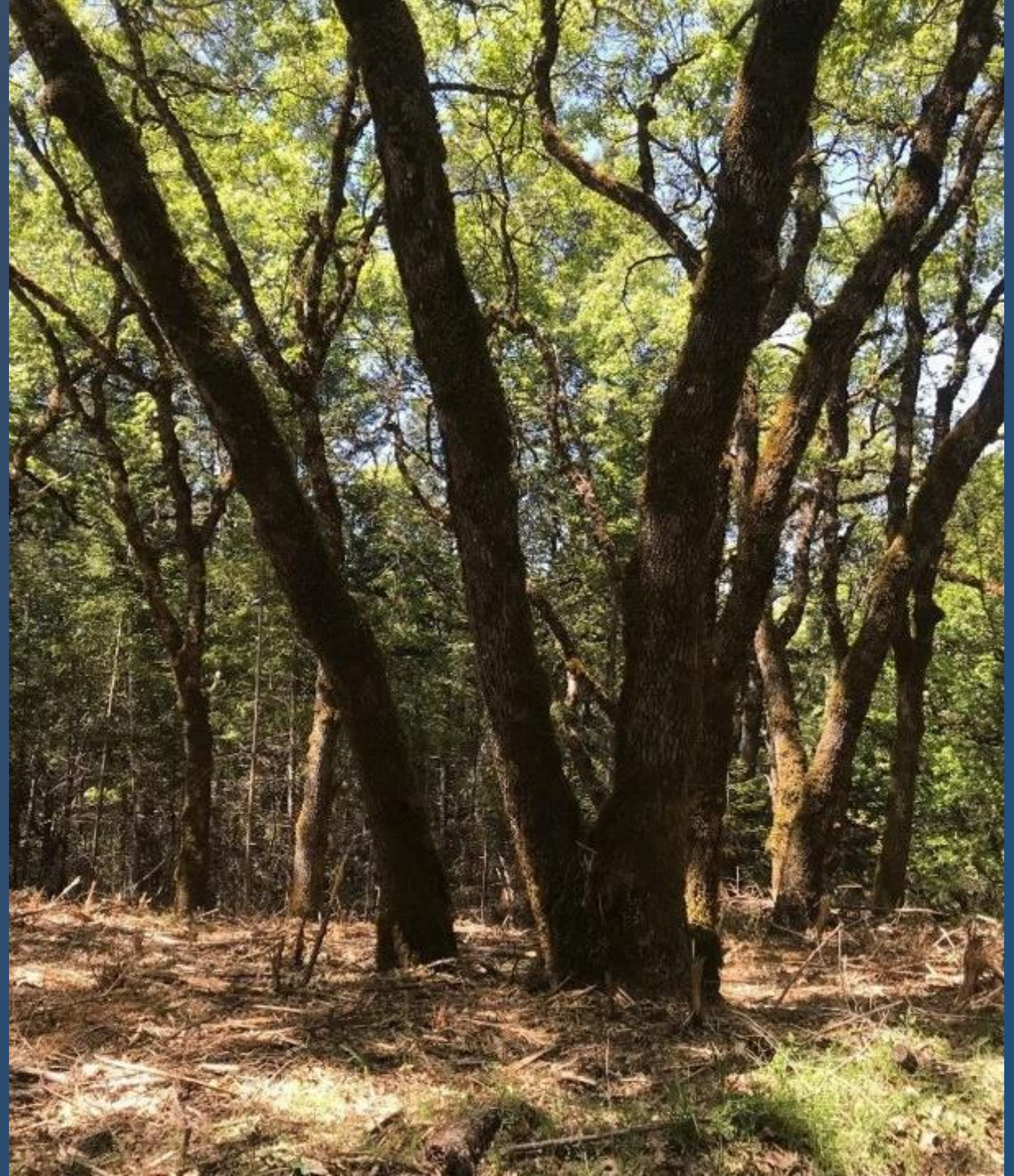


FORESTRY PROGRAM

Conduct an outreach, education, and research program to help landowners and managers steward coastal conifer forests and oak woodlands

A photograph of an oak woodland landscape. In the foreground, there is a field of tall, dry, golden-brown grass. Several large, mature oak trees with dense green foliage are scattered across the middle ground. The background shows more trees and a clear blue sky. The text "OAK WOODLAND STEWARDSHIP" is overlaid in white, bold, sans-serif capital letters, centered horizontally and partially enclosed by a thin white vertical line on the left.

OAK WOODLAND STEWARDSHIP









A landscape photograph showing a forest with a mix of green and brown trees, suggesting a transition or a specific season. The sky is blue with a thin layer of clouds and a prominent white contrail from an aircraft streaking across it. The text 'FOREST HEALTH' is overlaid in white, bold, sans-serif font, centered horizontally and partially enclosed by a vertical white line on the left.

FOREST HEALTH



CONIFER MORTALITY IN LAKE COUNTY

MICHAEL I. JONES, PhD

FOREST ADVISOR
UC COOPERATIVE EXTENSION – MENDOCINO, LAKE, & SONOMA COUNTIES

LAKE COUNTY BOARD OF SUPERVISORS
MAY 3RD, 2022



BOARD OF SUPERVISORS OF THE COUNTY OF LAKE, STATE OF CALIFORNIA

PROCLAMATION OF THE EXISTENCE OF A LOCAL EMERGENCY DUE TO PERVASIVE TREE MORTALITY RESOLUTION NO. 2022 – _____

WHEREAS, California is subject to a declared State of Emergency arising from ongoing drought conditions; and

WHEREAS, On March 28, 2022 Governor Newsom issued Executive Order No. 7-77, to provide guidance on emergency drought relief. The executive order (EO) states that the “21st century to date has been characterized by record warmth and predominantly dry conditions, and the 2021 meteorological summer in California and the rest of the western United States was the hottest on record” and “the ongoing drought will have significant, immediate impacts on communities with vulnerable water supplies, farms that rely on irrigation to grow food and fiber, and fish and wildlife that rely on stream flows and cool water”; and

WHEREAS, the California Department of Forestry and Fire Protection has found that its aerial and group surveys in Napa and Lake Counties in December of 2021 and January of 2022 revealed widespread conifer mortality, that the current drought is reducing the vigor and health of conifers in Lake County leaving the trees vulnerable to insect attack, and that fire damage, specifically scorching of bark and cambium, can continue to kill trees for five years or more after the fire event; and

WHEREAS, the Lake County Tree Mortality Task Force has been established to review, investigate and address the extensive incidents of tree mortality in the County caused primarily by wildfire, drought, and insect damage; and

WHEREAS, that task force has had the benefit of presentations from those with considerable expertise in both entomology and tree mortality, including the University of California Cooperative Extension Forest Advisor for Lake, Dr. Michael Jones, who is also an entomologist; and

WHEREAS, Dr. Jones, who has been monitoring conifer mortality in Lake County for the past several years, has found that Lake County is presently experiencing significant conifer mortality due to an outbreak of several species of native bark beetles. Fire-stressed conifers provide ideal host material for a bark beetle population to establish and grow and drought conditions likely helped the infestation spread from the burned areas as water-stressed trees with low vigor became more susceptible to bark beetle attacks; and

WHEREAS, Dr. Jones further found that at the present state of infestation, management should focus on mitigating hazards by removing the dead trees. The failure to remove a significant amount of the dead trees could result in the potential loss or degradation of forest habitats and associated ecological impacts, including the impact to wildlife, water, and soil. The extensive tree mortality may also impact carbon sequestration and storage capacity and Lake County forests. Extensive tree mortality may also impact the ability to manage for timber resources; and

WHEREAS, the pervasive tree mortality in Lake County could lead to high intensity wildfire, with extreme behavior at local and landscape level scales in the County and therefore constitutes an extreme threat to the safety of persons and property; and

A photograph of a forest landscape under a clear blue sky. In the foreground, there is a field of dry, brown grass and scattered tree stumps. Several tall, thin trees are visible, some with green needles and others bare. The text "FOREST STEWARDSHIP OUTREACH AND EDUCATION" is overlaid in white, bold, sans-serif capital letters. A thin white vertical line is positioned to the left of the text.

FOREST STEWARDSHIP OUTREACH AND EDUCATION



Hosted by:

University of California
Cooperative Extension

in collaboration with:

American Forest
Foundation

CAL FIRE

California Association of
Resource Conservation
Districts

California Fire Safe
Council

Forest Landowners of
California

USFS Region 5



Save the Date!

Register now for a California Forest Stewardship Workshop

Online beginning June 30, 2022 – August 25, 2022 and in-
person Saturday, July 16th Lake County

**Join the workshop to understand and protect your forests
by developing a Forest Management Plan. Topics include:**

- Forest management objectives and planning
- Forest health, insects and disease
- Forest and fire ecology, wildlife, watersheds
- Fuels reduction and forest resource marketing
- Mapping, inventory and silviculture
- Project development & permitting
- Getting professional help and cost-share opportunities

Participants will utilize online resources on their own time to complete learning modules and short activities. Zoom meetings with all participants and presenters will take place once a week on Thursdays, 6-7:30pm. The in-person field day will cover silviculture, forest inventory and mapping activities. Participants who complete the workshop will be **eligible for a free site visit** with a California Registered Professional Forester.

Registration for the workshop is \$60. Sign up now at:

<http://ucanr.edu/forestryworkshops/>

For questions, contact Kim Ingram, kcingram@ucanr.edu.



The Forest Stewardship Education Initiative is a CAL FIRE funded contract (8CA04547), awarded July 1, 2019 through June 30, 2024, to Susie Kocher, RPF#2874, University of California Cooperative Extension, to help landowners develop forest management plans.



Post-Fire Forest Resilience Workshop

Lake, Colusa, Mendocino
Counties

Weekly, on Zoom
6:00pm – 7:30pm,
Thursdays
Sept 19 - Oct 17

In-person field trip in
Lake County 10/19



LEARN ABOUT:

- Post-Fire Forest Management
- Competing & Resprouting Vegetation
- Financial & Professional Assistance Programs
- Reforestation
- Ongoing Forest Maintenance

WHAT TO EXPECT:

- Educational resources will be provided
- Review resources before weekly workshop to inspire discussion
- Guest speakers each week on different post-fire topics
- Q&A each session
- Network with your community and local resource professionals!

SIGN UP TODAY!

<http://ucanr.edu/post-fireworkshops>



HOSTED BY

UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources



Forest Stewardship

IN COLLABORATION WITH:



CALIFORNIA ASSOCIATION OF
RESOURCE
CONSERVATION DISTRICTS



USDA
NRC
U.S. Department of Agriculture
Natural Resources Conservation Service

The Post-fire Forest Resilience Education Initiative is a US Forest Service funded contract awarded March 2022 through June 2025, to Susie Kocher, Registered Professional Forester #2874, University of California Cooperative Extension to help landowners affected by wildfires.



THANK YOU

MJONES@UCNAR.EDU

UCCE LAKE - FORESTRY

