



Northern California Botanists 2019 Symposium
Research and Conservation of Northern California's
Vegetation Communities

14-15 January 2019 * California State University, Chico * Bell Memorial Union Auditorium

DRAFT PROGRAM

Monday, 14 January

7:30 Check-in for registered participants, late registration, and poster set-up

8:45 Opening Remarks:

Linnea Hanson, President of Northern California Botanists and U.S. Forest Service, retired

8:50 Welcome:

David Hassenzahl, Dean, College of Natural Sciences, California State University, Chico

9:00 Session 1: **Vegetation Mapping and Monitoring – Tools for Protection**

Session Chair: Teresa Sholars, Professor Emeritus, College of the Redwoods

A Living Map for a Changing Landscape - fine-scale vegetation and habitat mapping in Sonoma County, CA.

Mark Tukman, Tukman Geospatial

Using vegetation classification and mapping to demystify and protect the Pygmy Forest Ecosystem of Mendocino and Sonoma counties.

Jennifer Garrison, California Department of Fish and Wildlife and Teresa Sholars, Professor Emeritus, College of the Redwoods

Vegetation in Environmental Review.

Julie M. Evens, California Native Plant Society and Diana Hickson, California Department of Fish and Wildlife

Long-term monitoring and change detection in California's common and rare forests.

Michèle Slaton, US Forest Service Region 5 Remote Sensing Lab

10:20 Break

10:40 Session 2: **The Importance of Herbaria for Research, Management, and Conservation**

Session Chair: Julie Kierstead Nelson

The cultural significance of herbaria, past and present.

Alison Colwell, California Native Plant Society

Digitizing “small” herbaria.

Jennifer Poore, Sierra Pacific Industries

Using symbiota to manage biodiversity information for conservation.

Steven Buckley, Lassen Volcanic National Park

Upcoming changes in the Consortium of California Herbaria

Jason Alexander, University and Jepson Herbaria

12:00 Lunch

1:20 Session 3: Fire & Vegetation

Session Chair: Jane Van Susteren, California Department of Water Resources

Fighting drought with fire: Can managers increase forest resistance to drought using prescribed fire?

Philip van Mantgem, U. S. Geologic Service

Post-fire changes in riparian tree species with the Ponderosa, Rim, and King fires.

Cajun James, Sierra Pacific Industries

Reflections from five years of sampling post-fire floristics: Diablo to Sonoma.

Heath Bartosh, Nomad Ecology

Talk title in progress

Jennifer Gibson, Whiskeytown National Recreation Area

2:40 Break

3:00 Session 4: Challenges and Solutions for Conserving Cryptic Diversity

Session Chair: Jason Sexton, University of California, Merced

Practical guidelines for detecting and conserving cryptic species.

Julie Nelson, Shasta Trinity National Forest and Teresa Sholars, Professor Emeritus, College of the Redwoods

Morphologically cryptic species in *Downingia* (Campanulaceae).

Lisa Schultheis, Foothill College

Biodiversity assessment and conservation without species.

Brent Mishler, University and Jepson Herbaria, University of California, Berkeley

Implications of cryptic diversity for California botany and plant conservation.

Bruce Baldwin, University of California, Berkeley

4:20 Session 5: Lightning Talks

Session Chair: Jenn Yost, Cal Poly, San Luis Obispo

Evening Activities

5:15 – 6:15 Reception: A No-Host Bar with complimentary hors d'oeuvres will be held in Colusa Hall.

6:30 Banquet (tickets required): Buffet dinner will include fish, meat, and vegetarian entrees.

7:30 Keynote Speaker: *Todd Keeler-Wolf, California Department of Fish and Wildlife*

Title of Talk: "Learning to be a naturalist in Northern California."

Tuesday, 15 January

8:00 Check-in for one-day registrations

8:30 Session 6: Poster Session (second floor xxx)

Session Chair: Barbara Castro, California Department of Water Resources

10:00 Second Day Opening Remarks

10:10 Session 7: Native Plant Conservation

Session Chair: Clare Golec, California Department of Fish and Wildlife, retired

The role of the California Department of Fish and Wildlife in native plant conservation.

Cherilyn Burton, California Department of Fish and Wildlife

California rare plant ranks and environmental policy: How a time-honored standard in rare plant assessment supports effective rare plant conservation.

Aaron Sims, California Native Plant Society

Big picture botanical conservation.

Gordon Leppig, California Department of Fish and Wildlife

Restoring a population of Applegate's milkvetch (*Astragalus applegatei*): lessons learned for conservation.

Kerry Bryne, Humboldt State University

11:30 Lunch

12:50 Raffle, Auction, and Awards

1:20 Session 8: New Discoveries

Session Chair: Jane Van Susteren, California Department of Water Resources

Carex yorkii, sedge at the edge.

Dana York, Caltrans

Discoveries within the *Lomatium caruifolium* group.

Kevin Mason, Carex Working Group

Lomatium – a good place to look for new discoveries.

Barbara Wilson, Carex Working Group

Status and Distribution of Whitebark pine (*Pinus albicaulis*) in Northern California.

Michael Kauffmann, California Native Plant Society

2:40 Break

3:00 Session 9: Now the Good News

Session Chair: Daria Snider, Madrone Ecological Consulting

The story of the Pine Hill Preserve conservation successes, old and new.

Alison Stanton, Consulting Botanist

North Coast semaphore grass: trials and lessons of plant relocation.

Geri Hulse-Stephens, Consulting Botanist

Liberating function and form: restoration of a coastal dune system.

Renee Pasquinelli, California Native Plant Society Conservation and **Peter Warner**,
Consulting Botanist

Introduction and reintroduction as an aid to species recovery

Carol Witham, Consulting Botanist

4:20 Closing Remarks:

Linnea Hanson, President of Northern California Botanists and U.S. Forest Service,
retired

5:30 Optional Herbarium Field Trip