



Northern California Botanists 2025 Symposium

Collaboration, Diversity, and Partnerships In Northern California Botany

13-14 January 2025 * California State University, Chico * Bell Memorial Union Auditorium and Online

DRAFT PROGRAM

Monday, 13 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

8:50 Welcome:

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

9:00 Session 1: Collaboration and Partnership

Session Chair: Kerry Byrne, Cal Poly Humboldt

Building collaborations and partnerships along the North Coast

Crystal Kunz, Bureau of Land Management, Arcata Field Office

The evolution of public/private sector partnerships for building a locally sourced seed industry in California

Ed Kleiner Comstock, Comstock Seeds

Collaborative conservation: Community action to transform Sausal Creek

Kate Berlin, Friends of Sausal Creek

Ecological restoration, workforce development, and community stewardship at Heron's Head, San Francisco Bay

Patrick Marley Rump, Literacy for Environmental Justice

10:20 Break

10:40 Session 2: Coastal Botany: Plant Life, Restoration, and Management

Session Chair: Karen Holl, University of California, Santa Cruz

Using fire and fuel breaks to promote recovery of Santa Cruz (Ben Lomond) Wallflower (*Erysimum teretifolium*), an endangered plant endemic to the Santa Cruz Sandhills

Jodi McGraw, Jodi McGraw Consulting

Restoring coastal grassland on deeply scraped soils in Monterey County, California

Andrea Woolfolk, Elkhorn Slough National Research Reserve

Asilomar State Beach and Fort Ord Dunes State Park restoration: Compare and contrast the past and future

Amanda Preece and Nicole Leatherman, Monterey District, California Department of Parks and Recreation

Restoration of native coastal salt marsh and dune mat communities at the Ocean Ranch Unit of the Eel River Wildlife Area, Humboldt County, California

Kelsey McDonald, California Department of Fish and Wildlife

12:00 Lunch

12:00 – 1:00 An informal discussion on collaboration, diversity, and partnership will be held in Colusa Hall.

1:20 Session 3: Oak Restoration and Conservation

Session Chair: Nicole Jurjavic, Stillwater Sciences

Conifer encroachment and removal in oak woodlands: Influences on ecosystem physiology and biodiversity

Lucy Kerhoulas, Cal Poly Humboldt

Novel climate change adaptation strategies for conserving drought-adaptive blue oak genotypes in California

Alissa Fogg, Point Blue Conservation Science

Mediterranean oak borer and/or pests and diseases of oaks

Michael Jones, University of California, Agriculture and Natural Resources

Recent work on *Quercus garryana* and *Q. kelloggii*

Yana Valachovic, University of California, Agriculture and Natural Resources

2:40 Break

3:00 Session 4: New Discoveries

Session Chair: Len Lindstrand III, Sierra Pacific Industries

Rediscoveries, range extensions, and otherwise notable collections while creating the upcoming Flora of Nevada County

Shane Hanofee

A new subspecies of *Oenothera deltooides* from the eastern Antioch Dunes sand sheet in the San Francisco Bay-Delta region

Karen Thorne, United States Geological Survey

Newly described *Atriplex gypsophila* (Chenopodiaceae) and a summary of the annual *Atriplex* species of California's Great Valley

Rob Preston

Carex holmgreniorum, a new *Carex* species for California from Mono County

Steve Matson

4:20 Session 5: Lightning Talks

Session Chair: Kristen Kaczynski, California State University, Chico

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 menu still to be determined.

7:30 Keynote Speaker: Patrick Reynolds, Heritage Growers and River Partners
Title of Talk: Production of Native Seed Ecotypes to Support Diverse Large-scale Conservation Efforts in California

Tuesday, 14 January

8:00 Check-in for one-day registrations

8:30 Session 6: Poster Session (BMU, Room TBD)

Session Chair: Cherilyn Burton, California Department of Fish and Wildlife

10:00 Second Day Opening Remarks

Linnea Hanson, President of Northern California Botanists

10:10 Session 7: Landscape Level Fire

Session Chair: Jane Van Susteren, California Board of Forestry

Evaluation of effects of the Dixie Forest Fire on the ephemeral geophytes, *Dicentra uniflora* and *Dicentra pauciflora* (Papaveraceae)

Halkard Mackey

Manzanita shrubs and specialist gall aphids on sites recovering from wildfire at Big Chico Creek Preserve

Don Miller, California State University, Chico

Fire and vegetation trends and cycles in the southern Mayacamas

Arthur Dawson

Fire and plants in the Karuk Aboriginal Territory

Heather Rickard

11:30 Lunch

1:00 Session 8: Pollinators and their Mutualism with Northern California Wildflowers

Session Chair: Rebecca Nelson, University of California, Davis

Floral Association documented in the California Bumble Bee Atlas

Dylan Winkler, California Department of Fish and Wildlife

Acquisition and environmental filtering of introduced floral microbes in the blue orchard bee,
Osmia lignaria

Alexia Martin, University of California, Davis

Cross-ecosystem effect of plant invasions on serpentine plant-pollinator networks

Rebecca Nelson, University of California, Davis

Pesticide contamination of butterfly host plants in the modified landscapes of California's
Central Valley

Angie Lenard, University of Nevada, Reno

2:20 Raffle, Auction, and Awards

2:40 Break

3:00 Session 9: Now for the Good News

Session Chair: Joe Silveira, U.S. Fish and Wildlife Service, Retired

Why the Calflora Database is such good news

Cynthia Powell, CalFlora

Coastal prairie restoration and the recovery of endangered Western Lily (*Lilium occidentale*) at
Table Bluff Ecological Reserve in Humboldt County, California

Kelsey McDonald, California Department of Fish and Wildlife

Conservation seed collection for rare species impacted by the Caldor Fire: Retractable roots and
community science among the lava caps of Eldorado National Park

Kristen Nelson, California Native Plant Society

Mapping individual vernal pools within the California Central Valley

Reagan Murray, San Francisco Estuary Institute

4:20 Closing Remarks:

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

5:30 Optional Herbarium Field Trip