



2025 Cal-IPC Symposium



*Santa Rosa Island, USFWS, Public Domain,
<https://www.fws.gov/media/santa-rosa-island>*

***Beyond Eradication:
Resistance, Resilience, and Recovery***

Ventura and Online • November 12-15

**Scan QR code for our Whova online conference platform.
From your computer, go to tinyurl.com/2025Cal-IPCSymposium.**



Event Agenda

2025 Cal-IPC Symposium

Program: Beyond Eradication: Resistance, Resilience, and Recovery

Wednesday, November 12, 2025

8:30 AM - 10:30 AM

Statewide WMA Meeting

Location: Buena Ventura Ballroom

The Role of WMAs in Effective Weed Management

8:30 AM - 8:40 AM

Instructor: Doug Johnson, Cal-IPC

Ventura County WMA: EDRR and Education

8:40 AM - 9:00 AM

Instructor: John Beall, Ventura Agricultural Commission

San Diego WMA: Prioritization & Tracking for Invasive Plant Management

9:00 AM - 9:20 AM

Instructor: Jason Giessow, Dendra, Inc.

Santa Ana River/Orange County WMA: Strategic Planning for Effective Weed Management

9:20 AM - 9:35 AM

Instructor: Matt Major, Orange County Parks

Alameda/Contra Costa WMA: IPM and Rebuilding

9:35 AM - 9:50 AM

Instructor: Wade Finlinson, Contra Costa County Health Dept.

CDFA Program Update

9:50 AM - 10:10 AM

Instructor: Trevor Fox, CDFA

WeedCUT

10:10 AM - 10:20 AM

Instructor: Jutta Burger, Cal-IPC

Calflora

10:20 AM - 10:30 AM

Instructor: Nikki Valentine, Cal-IPC

11:00 AM - 12:00 PM

Career Panel

Location: Emma Wood

1:00 PM - 3:00 PM

Workshop: Weed Mapping with ArcGIS

Location: Buena Ventura Ballroom

Instructors: Sarah Godfrey, Map the Point

Michael Kwong, California Dept. of Water Resources

Nikki Valentine, Cal-IPC

1:00 PM - 3:00 PM

Workshop: Weeds 101 – IPM Fundamentals

Location: Emma Wood

Instructors: Lauren Quon, Cleveland National Forest

Tom Reyes, California Native Plant Society; Mandeep Riar, UC ANR

- 1:00 PM - 3:00 PM** **Workshop: Stay on Target! BMPs for Spot Spraying and Weed Trimming**
 Location: Harmon Canyon Preserve, 7511 Foothill Road, Ventura, CA 93003
 Instructor: Chris McDonald, UCCE; Co-Instructor: Scott Oneto, UCCE; Laura Pavliscak; Co-Instructor: Isaac Ostmann, Irvine Ranch Conservancy
- 1:00 PM - 3:00 PM** **Workshop: Pre-Fire Planning and Post-Fire Management**
 Location: Salon A
 Instructors: Justin Valliere, UC Davis; Jeff Heys, USDA Forest Service; Nicole Molinari, USDA Forest Service; Danny Fry, Natural Communities Coalition; Joey Algiers, NPS Santa Monica Mountains National Recreation Area; Matthew Wells, Santa Monica Mountains Fund
- 3:30 PM - 5:30 PM** **Herbicide Laws and Regulation**
 Location: Buenaventura Ballroom
- The Weedslayer's Code**
 3:30 PM - 4:00 PM
 Presenter: John Mikesell, Ventura County Dept. of Agriculture/Weights and Measures
- Beyond the active ingredient: Laws and regulations for pesticide adjuvants.**
 4:00 PM - 4:30 PM
 Presenter: Krista Hoffmann, CA Dept. of Fish and Wildlife
- Pesticide Jeopardy!**
 4:30 PM - 5:30 PM
 Presenters: Chris McDonald, UCCE; LeeAnne Mila, Agricultural Commission - El Dorado and Alpine Counties

Thursday, November 13, 2025

- 7:15 AM - 8:00 AM** **Continental Breakfast**
 Location: Buenaventura Ballroom
- 8:00 AM - 9:45 AM** **Opening Plenary: Resistance and Weed Alerts**
 Location: Buenaventura Ballroom
- Cal-IPC Welcome and Update**
 8:00 AM - 8:15 AM
 Presenter: Doug Johnson, Cal-IPC
- Before eradication: preventing invasive species introductions and ecosystem differences in invasion resistance**
 8:15 AM - 8:45 AM
 Presenter: Sarah Kimball, UC Irvine
- Restoring resistant communities**
 8:45 AM - 9:15 AM
 Presenter: Evelyn Beaury, New York Botanical Garden
- Weed alerts and inventory updates for 2025**
 9:15 AM - 9:45 AM
 Presenters: Jutta Burger, Cal-IPC;
 Ron Vanderhoff, CNPS, Orange County Chapter
- 10:00 AM - 11:00 AM** **Rare Species and Rare Habitats**
 Location: Buenaventura Ballroom
- Invasive species management in sensitive coastal foredune habitat**
 10:00 AM - 10:20 AM
 Presenter: Lindsey Roddick, The Land Conservancy of San Luis Obispo County
- Turning invasive fuel loads into habitat for endangered species**
 10:20 AM - 10:40 AM
 Presenter: Johnny Perez, Palos Verdes Peninsula Land Conservancy

Invasive weeds and nitrogen deposition suppress ephemeral post-fire plant diversity

10:40 AM - 11:00 AM

Presenter: Justin Valliere, UC Davis

10:00 AM - 11:00 AM

Geospatial Technologies

Location: Emma Wood

Weed mapping workflows using Esri GIS software

10:00 AM - 10:20 AM

Presenter: Ingrid Hogle, SF Estuary Invasive Spartina Project

Virtual fencing to target medusahead and barb goatgrass on California rangelands

10:20 AM - 10:40 AM

Presenter: Brian Allen, UCCE

Evaluating invasive plant prediction accuracy across large geographic extents using airborne imaging spectroscopy

10:40 AM - 11:00 AM

Presenter: Nicoletta Stork, The Center for Global Discovery and Conservation Science - Arizona State University

11:15 AM - 12:15 PM

Poster Session

Location: Buenaventura Ballroom

Long-term results of continuous habitat restoration of coastal California native plant communities

Presenter: Maria Alvarez, NPS - Golden Gate National Recreation Area

Seed traits may predict species success in habitats dominated by thatch-producing annual grasses

Presenter: Katherine Brafford, UC Davis

Role of year-round vegetation in ditches as refugia for key insect pests and insect natural enemies affecting Ventura County crops

Presenter: Abigail Brondos, UC Agriculture and Natural Resources

Ecological risks of tropical milkweed and potential for restoration of native milkweed habitat

Presenter: Kaitlin Crane, UC Santa Barbara

Community responses to altered seasonal precipitation via seed banks in an annual desert community

Presenter: Ariana Firebaugh Ornelas, UC Riverside

Estimating dispersal distances of *Parafreutreta regalis*, a biological control agent for Cape ivy

Presenter: Madeline Holroyd, UC Santa Barbara

Assessing seed sources for enhancing restoration success in invaded ecosystems

Presenter: Corey Kelsey, Cal Poly Pomona

Evaluating sycamore (*Platanus spp.*) population genetics to identify native trees for coastal restoration

Presenter: Jamie Lopez, Adam Lambert's Lab at the UC Santa Barbara

Building connection and resilience: evolution of a community-based habitat restoration program in urban Los Angeles parkland

Presenter: Arely Mendia Perez, Nature Nexus Institute

Using remote sensing to assess the influence of vegetation structure and temperature on arthropod biodiversity in agricultural landscapes

Presenter: Emily Montes, Cal Poly Pomona

Volunteer training to facilitate public outreach and wildland recovery

Presenter: Chrystene Newman, Irvine Ranch Conservancy

Leveraging plant traits for hedgerow selection to reduce insect pests in Southern California citrus and avocado

Presenter: Kyle Osornia, Cal Poly Pomona

SPARCS: Suppression and Planning Actions for Restoring Communities and Species in the Southern California ecoregion

Presenter: Austin Parker, USGS

Pile burning to break negative soil legacies of invasive annual species

Presenter: Olivia Parra, UC Davis

Transformative detection of Hypericum: building a drone-based image library to catalyze invasive species control in coastal California

Presenter: Candace Reynolds, HANA Resources

Early Detection Rapid Response (EDRR) planning in East Bay Regional Parks (EBRPD)

Presenters: Ramona Robison, Calbotany; Barbara Camacho Garcia, East Bay Regional Park District

Risk assessment of the French broom psyllid, a prospective biological control agent of French broom

Presenter: Lincoln Smith, USDA Agricultural Research Service (retired)

Women against invasive olives: standards of practice for removal of Olea europaea on Santa Cruz Island

Presenter: Bailey Thieben, California Institute of Environmental Studies

12:15 PM - 1:30 PM

Awards Luncheon

Location: Buenaventura Ballroom

1:30 PM - 2:30 PM

Weed Management Tools and Techniques

Location: Buenaventura Ballroom

Optimizing restoration strategies in iceplant-dominated landscapes of coastal California

1:30 PM - 1:50 PM

Presenter: Nick Saglimbeni, UC Santa Barbara

Integrating prescribed fire and grass specific herbicides: a strategy for annual wildflower restoration

1:50 PM - 2:10 PM

Presenter: Christopher Berry, Cheadle Center for Biodiversity and Ecological Restoration, UC Santa Barbara

Use of pre-emergent herbicides for site preparation

2:10 PM - 2:30 PM

Presenter: Robert Freese, Irvine Ranch Conservancy

1:30 PM - 2:30 PM

Southern California's Forgotten Grasslands

Location: Emma Wood

Surveying needlegrass grasslands to plan management actions and model habitat suitability in southern Orange County parks, California

1:30 PM - 1:50 PM

Presenter: Matt Major, Orange County Parks

Plant community responses to rodent seed predation and precipitation in a semi-arid Californian grassland

1:50 PM - 2:10 PM

Presenter: Samuel Loudon, Dept. of Evolution, Ecology, and Organismal Biology, UC Riverside

How a prescribed burn gradient influences seed bank dynamics and restoration efforts at Santa Rosa Plateau Ecological Reserve

2:10 PM - 2:30 PM

Presenter: BryAnna Wertz, UC Riverside

2:45 PM - 3:45 PM

New Horizons in Early Detections

Location: Buenaventura Ballroom

New and novel weeds in California state parks

2:45 PM - 3:05 PM

Presenter: Leah Gardner, CA State Parks

Up a creek without an EDRR program: lessons from managing new invasions without a formal program

3:05 PM - 3:25 PM

Presenter: Jennifer Mo, Santa Clara Valley Water District

Fungal frontiers: What we know about invasive mushrooms in California

3:25 PM - 3:45 PM

Presenter: Christian Schwarz, University of California Santa Cruz

2:45 PM - 3:45 PM

Invasive Plants: Issues, Impacts, and Solutions

Location: Emma Wood

Estimating water savings benefits of invasive plant removal using the OpenET remote sensing platform: a case study with Arundo donax

2:45 PM - 3:05 PM

Presenter: Emily Zefferman, RCD of Monterey County

Southern California ignition reduction program

3:05 PM - 3:25 PM

Presenter: Jeff Heys, USDA Forest Service

Community challenges to herbicide use for conservation, part 2

3:25 PM - 3:45 PM

Presenter: Alan Kaufmann, Laguna Canyon Foundation

4:00 PM - 5:00 PM

Weeds and Pollinators

Location: Emma Wood

A pollinator paradox: weedy wildflowers support native pollinators under global changes

4:00 PM - 4:20 PM

Presenter: Rebecca Nelson, Utah State University

French broom impacts to native forb pollination and reproductive success

4:20 PM - 4:40 PM

Presenter: Sara Grove, H.T. Harvey & Associates

Evaluating bee species' diversity and composition response to active restoration in Southern California

4:40 PM - 5:00 PM

Presenter: Beckett Staubs-Friedmann, Santa Clara River Conservancy and UC Santa Barbara

4:00 PM - 5:00 PM

Lightning Talks

Location: Buenaventura Ballroom

Smart park management: a drone-based AI solution for vegetation health monitoring and wildfire risk mitigation

Presenter: Austin Zhang, Del Norte High School, Youth Care Club

Resilience on the frontlines: a crew's story of restoration, learning, and leadership on Catalina Island

Presenter: Brian Larson, Catalina Island Conservancy

The “Fennel Project” and other invasive species lessons learned 18 years in on Channel Islands National Park

Presenter: Clark Cowan, Channel Islands National Park

Neighboring perennial plants enhance fitness in the *Brachypodium distachyon* complex, suggesting a pathway to invasion

Presenter: Megan Korte, UC Riverside

Partnering for invasive plant treatments: a Cal-IPC/US Forest Service agreement

Presenter: Stacey Clark, USDA Forest Service

Evaluating effects of artificial light at night (ALAN) on biological control agents of yellow star-thistle (*Centaurea solstitialis*) in California

Presenter: Marielle Hansel Friedman, UC Davis

Possible allelopathic effects of *Cynara cardunculus* on native coastal sage scrub species

Presenter: Anna Luo, Friends of Los Peñasquitos Canyon Preserve

Developing guidance for managing invasive aquatic vegetation in tidal wetland sites

Presenter: Gina Darin, CA Dept. of Water Resources

Conversion of riparian woodland to *Arundo* monoculture on Santa Clara River flood channel

Presenter: William Neill, Riparian Repairs

5:00 PM - 7:00 PM

Reception and Raffle

Location: Mezzanine

Friday, November 14, 2025

7:30 AM - 8:15 AM

Continental Breakfast

Location: Buenaventura Ballroom

8:15 AM - 9:15 AM

Plenary: Resilience

Location: Buenaventura Ballroom

Beyond resistance: building resilience and adaptation into the management of montane forests across Southern California

8:15 AM - 8:45 AM

Presenter: Sarah Hennessy, San Diego State University Institute for Ecological Monitoring and Management

Weaving knowledge, healing land: a community-based approach to resilience in the face of GSOB and altered fire regimes.

8:45 AM - 9:15 AM

Presenter: Joelene Tamm, La Jolla Band of Luiseno Indians

9:30 AM - 10:30 AM

Protecting Deserts

Location: Emma Wood

Salt Creek restoration for the benefit of desert pupfish: lessons and next steps

9:30 AM - 9:50 AM

Presenter: Luis Ramirez, The Living Desert Zoo and Gardens

Managing emergent invasive populations: stinknet in the California Sonoran Desert

9:50 AM - 10:10 AM

Presenter: Sean Deighan, The Living Desert Zoo and Gardens

Evaluating the invasion regime attributes and impacts of *Brassica tournefortii* in a desert sand dune community

10:10 AM - 10:30 AM

Presenter: Lorelee Larios, UC Riverside

9:30 AM - 10:30 AM

After the Storm: Managing Weeds Post-Fire

Location: Buenaventura Ballroom

Post-wildfire conditions: prescribed fire influence on invasive species composition in blue oak woodlands

9:30 AM - 9:50 AM

Presenter: Claire Monahan, Big Chico Creek Ecological Reserve

Wildfire rehabilitation in non-native grasslands and coastal sage scrub

9:50 AM - 10:10 AM

Presenter: Juan Cervera, Dept. of Defense

Comparing retardant and wildfire impacts to invasive grasses in the post-fire environment

10:10 AM - 10:30 AM

Presenter: Nicolas Graver, NPS and University of California Riverside

10:45 AM - 11:45 AM Discussion Groups

Equity in Field Safety: Current Events

Location: Zuma

Leaders: Constance Taylor, Cal-IPC; Sarah Kimball, UC Irvine; Olivia Parra, UC Davis

Tools and Techniques: Herbicides, Non-Chemical Methods, Difficult Weeds, and IPM

Location: Emma Wood

Leaders: Chris McDonald, UCCE; Laura Pavliscak, Isaac Ostmann, Irvine Ranch Conservancy; Pamela Beitz, East Bay Regional Park District

Weed Management after Wildfire

Location: Salon A

Leaders: Tanya Meyer, Yolo County Resource Conservation District; Justin Valliere, University of California Davis; Danny Fry, Natural Communities Coalition; Jeff Heys, USDA Forest Service; Nicole Molinari, USDA Forest Service; Claire Monahan, Big Chico Creek Ecological Reserve; Austin Parker, USGS

Tracking and Managing Weeds in Calflora

Location: Solimar

Leaders: Cynthia Powell, Calflora; Pete Frye, Calflora

Pesticides and Pollinators

Location: Faria

Leaders: Alys Arenas, CA Dept. of Fish and Wildlife; Michael Kwong, California Dept. of Water Resources; Rebecca Nelson, Utah State University; Krista Hoffmann, CA Dept. of Fish & Wildlife; Hamutahl Cohen, UC Agriculture and Natural Resources; Michelle Hladik, USGS

Advocating for Weed Management Priorities

Location: Salon B

Leaders: Doug Johnson, Cal-IPC; Alan Kaufmann, Laguna Canyon Foundation

11:15 AM - 1:15 PM Box Lunch

Location: Buenaventura Ballroom

1:15 PM - 2:15 PM Wetland and Riparian Weeds

Location: Buenaventura Ballroom

Improving riparian resilience in the Ventura River Watershed

1:15 PM - 1:35 PM

Presenter: Martin Schenker, Ojai Valley Land Conservancy

Not so Black(lock) and white: managing invasive phragmites in endangered species habitat

1:35 PM - 1:55 PM

Presenter: Gina Darin, CA Dept. of Water Resources

Legacy effects of imazapyr soil residues on riparian forest reestablishment after giant reed (Arundo donax) removal

1:55 PM - 2:15 PM

Presenter: Adam Lambert, UC Santa Barbara

1:15 PM - 2:15 PM

Art, Culture, and Weeds

Location: Emma Wood

Climate Country Radio

1:15 PM - 1:45 PM

Presenters: Rita Hosking, Singer-Songwriter; Sean Feder, Musician

Hip hop vs site hygiene: What could go right?

1:45 PM - 2:15 PM

Presenter: Constance Taylor, Cal-IPC

2:30 PM - 3:30 PM

Lessons Learned in Weed Management

Location: Buenaventura Ballroom

Tamarisk and non-native invasive species removal in the Los Padres National Forest

2:30 PM - 2:50 PM

Presenter: Holly Wright, Channel Islands Restoration

Stinkwort in Santiago Creek- an EDRR success story

2:50 PM - 3:10 PM

Presenter: Isaac Ostmann, Irvine Ranch Conservancy

Long-term adaptive restoration in a dynamic floodplain: lessons from a decade of managing giant reed in the Santa Clara River

2:50 PM - 3:10 PM

Presenter: Sean Carey, UC Santa Barbara

2:30 PM - 3:30 PM

Restoring Southern California Plant Communities

Location: Emma Wood

Fire as a piece of the puzzle in coastal sage scrub restoration

2:30 PM - 2:50 PM

Presenter: Joanna Tang, Vollmar Natural Lands Consulting

Lord of the Flies or Neverland? Testing the efficacy of 'restoration islands' in southern California shrubland restoration

2:50 PM - 3:10 PM

Presenter: Shane Dewees, UC Santa Barbara

It takes a village (to save a river): the story of how a community effort transformed the San Dieguito River

3:10 PM - 3:30 PM

Presenter: Jonathan Appelbaum, San Dieguito River Valley Conservancy

3:45 PM - 5:00 PM

Closing Plenary: Recovery

Location: Buenaventura Ballroom

OiWhat does ecosystem recovery look like after 130 years of invasive species? The story of Santa Cruz Island

3:45 PM - 4:15 PM

Presenter: John Knapp, Catalina Island Conservancy

Assisting recovery in the Santa Monica Mountains

4:15 PM - 4:45 PM

Presenter: Joey Algiers, NPS Santa Monica Mountains National Recreation Area

Closing

Presenter: Doug Johnson, Cal-IPC

Saturday, November 15, 2025

8:00 AM - 6:00 PM

Field Trip: Santa Cruz Island

8:00 AM - 5:00 PM

Field Trip: Santa Clara River

8:00 AM - 1:00 PM

Field Trip: Santa Monica Mountains

8:00 AM - 1:00 PM

Field Trip: Ventura River

Thank you to our 2025 Symposium Sponsors!

PLATINUM

STEVE & LESLIE
HARTMAN



GOLD

SILVER

BOB
CASE
for:



BRONZE

Laguna Canyon Foundation · Civicorps · Irvine Ranch Conservancy
Dendra, Inc. · UC Statewide IPM Program · Marin Water
California Wildlife Conservation Board · Irvine Ranch Water District
Catalina Island Conservancy

GRASSROOTS GOLD

GRASSROOTS SILVER



GRASSROOT BRONZE

Endangered Habitats League · Dorothy King Young Chapter CNPS
Riverside/San Bernardino CNPS Chapter · San Mateo County Dept. of Agriculture