

Program: "Reuniting for Resilience"

Wednesday, October 25, 2023

8:00 - 9:00 am Registration - Colusa Hall

9:00 am – 12:00 pm Statewide WMA Meeting

Room: *Colusa 100A*. Chair: *Doug Johnson, Cal-IPC*

12:00 - 1:30 pm Registration and Lunch on your own

1:30 – 4:30 pm Concurrent Workshops (advanced registration required)

Workshop 1: Herbicide Calibration for Invasive Plant Management

Room: *Creekside Rose Garden, 545 Vallombrosa Ave, Chico*. Instructors: *Scott Oneto and Tom Getts, UC Ag. and Natural Resources*

Workshop 2: What to Do When You're Expecting (a Fire)

Presented in collaboration with National Park Service

Room: *Colusa 100A*. Instructor: *Steve Buckley, National Park Service*

Workshop 3: Mapping Weeds with Calflora

Room: *Colusa 100B*. Instructors: *Cynthia Powell and Pete Frye, Calflora*

4:30 - 5:30 pm Break | 5:30 Registration re-opens

**4:45 - 5:45 pm Buddy Program meet up - Madison Bear Garden Patio
316 West Second Street (6 min walk from Colusa Hall)**

6:00 – 8:00 pm Herbicide Laws & Regulations

Room: *Colusa 100*. Chair: *LeeAnne Mila, El Dorado County Ag. Comm.*

6:00 What is needed to be a certified applicator? *Jasmin Bonilla, UC Ag. and Natural Resources*

6:30 Noxious weeds laws and regulations. *LeeAnne Mila, El Dorado County Ag. Comm.*

7:00 Strategies to avoid non-target herbicide impacts. *Krista Hoffman, CA Dept. of Fish and Wildlife*

7:30 Sustainable Pest Management roadmap. *Kimberly Crispin, Dept. of Pesticide Regulations*

Thursday, October 26, 2023

7:00 - 7:45 am Registration and Breakfast - BMU Lobby and Auditorium

8:00 – 8:30 am Cal-IPC Update What we've accomplished and where we're headed.
Doug Johnson, Cal-IPC

8:30 - 9:30 am Session 1. Trabajadores de la Tierra: Workforce Development and Indigenous Knowledge

Room: *BMU Auditorium*. Chair: *Max Bell Alper, North Bay Jobs for Justice Alliance*

8:20 Indigenous migrant farmworkers and restoration: A win-win. *Birkin Newell, Russian Riverkeeper, Lucía López and Marianne Zavala, Community organizers and farmworkers*

9:00 Fire is for everyone: Scaling up the use of good fire. *José Luis Duce Aragüés and Andrea Bustos, The Watershed Center*

Thursday, October 26, 2023 (continued)

9:30 - 9:45 am Break

9:45-10:45 am Session 2. Invasive Species Issues in Changing Landscapes

Room: *BMU 203*. Chair:
Robert Fitch, UC Santa Barbara

9:45 Influence of a dam on one watershed scale weed control project.
April Damanti, River Partners

10:05 Restoring coastal grassland on deeply scraped soils in Monterey County, CA. *Andrea Woolfolk, Elkhorn Slough, NERR*

9:45-10:45 am Session 3. Managing New Weeds in California

Room: *BMU Auditorium*. Chair: *Guy Hernandez, National Park Service*

9:45 Managing garlic mustard within the Deep Creek Watershed on the San Bernardino National Forest. *Joseph Esparza, US Forest Service*

10:05 North coast invasive weeds – early detection rapid response eradication project. *Candace Reynolds, Redwood Community Action Agency*

10:25 Drones as a tool for monitoring ribbonweed (*Vallisneria australis*), a recently detected non-native submersed aquatic plant in the Sacramento-San Joaquin Delta. *Anthony Elias-Linarez, CA Dept. of Water Resources*

10:45 - 11:00 am Break

11:00 am – 12:00 pm Session 4. Rare Plants and Weeds (concurrent)

Room: *BMU Auditorium*. Chair: *Tom Reyes, CA Native Plant Society*

11:00 Integrated pest management (IPM) to control invasive plant species in a California vernal pool-grassland complex. *Jasmine Rios, CSU Sacramento and CA Dept. of Fish and Wildlife*

11:20 Prescribed fire for medusahead (*Elymus caput-medusae*) control and impacts to species composition in an invaded California grassland. *Jason M. Mills, WRA*

11:40 Estimating invasive plant risk to federally listed plant species in central coastal California. *Jutta Burger, Cal-IPC*

11:00 am – 12:15 pm Session 5. Lightning Talks (concurrent)

order of talks might change

Room: *BMU 203*. Chair: *Lauren Quon, Cleveland Nat. Forest*

Public gardens as sentinels against invasive plants. *Michelle Beloskur, Midwest Invasive Plant Network*

Join in California Invasive Species Action Week! *Elizabeth Brusati, CA Dept. of Fish and Wildlife*

Calling for a consortium on a rosette weevil against yellow starthistle in California. *Ikju Park, Dept. of Entomology, UC Riverside*

Manipulation of release conditions improve establishment of the wasp *Tetramesa romana* for biological control of *Arundo* in northern California. *Patrick J. Moran, US Dept. of Ag. - Ag. Research Service*

The effect of yellow starthistle invasion on native plants and pollinators. *Rebecca Nelson, UC Davis*

Remote-operated robotic mower use along roadsides. *Stephanie Ponce, CalTrans*

Effects of mowing at varying propagule pressures on competition between native and non-native annual species. *Brittney Sheets, CalPoly Pomona*

Effective cheatgrass control with fluazifop-p-butyl in the Coast Range, Marin County. *David Greenberger, Golden Gate Nat. Parks Conservancy*

Techniques to eradicate invasive giant reed from Trabuco Creek, Orange County. *Robert Freese and Collin Raff, Irvine Ranch Conservancy*

Slaying the dragon: How Irvine Ranch Conservancy volunteers achieved management success in significantly reducing Sahara mustard (*Brassica tournefortii*) on a site in Orange County, California. *David Wilson, Irvine Ranch Conservancy*

12:00/12:15 - 1:30 pm Lunch on your own

12:15 - 1:15 pm Career Panel Lunch, organized by the Cal-IPC Student Section

(Advanced registration required for lunch order. If you did not register but would like to participate, purchase lunch separately before joining the group.) - **BMU 210**

1:30 - 2:30 pm Session 6. Weed Management in Aquatic, Wetland, and Riparian Habitats

Room: *BMU 203*. Chair: *Michael Kwong, CA Dept. of Water Resources*

- 1:30 Ecosystem engineering impacts of water primrose (*Ludwigia* spp.) in the Delta. *Bailey Morrison, UC Merced*
- 1:50 Propagule pressure of invasive common reed (*Phragmites australis*) in Suisun Marsh: Seedset, germination success, and seedling susceptibility to herbicide. *Virginia Matzek, Santa Clara Univ.*
- 2:10 Biology and ecology of yellow flag iris: Research updates to support integrated weed management. *Brenda J. Grewell, US Dept. of Ag. - Ag. Research Service*

1:30 - 2:30 pm Session 7. Weed Management in Grasslands

Presented in collaboration with CA Native Grasslands Assoc.

Room: *BMU Auditorium*. Chair: *Justin Luong, CalPoly Humboldt*

- 1:30 Replacing annual grasses with native vegetation to reduce wildfire risk of fuel breaks and roadsides. *Robert Fitch, UC Santa Barbara*
- 1:50 Rapid evolution of native and invasive California grassland species to altered water availability. *Katherine Brafford, UC Davis*
- 2:10 A mosaic approach to forb-and-grassland restoration in a heterogenous landscape. *Paul Aigner, UC Davis McLaughlin Reserve*

2:30 - 2:45 pm Break

2:45 - 3:45 pm Session 8. The Intersection of Art and Science in Managing Weeds

Room: *BMU 203*. Chairs: *Rebecca Nelson, UC Davis*, and *Constance Taylor, Cal-IPC*

- 2:45 Art, science, and collections. *Zoe Wood, UC David*
- 3:05 *Know the land, save the land* program: Science communication through place-based apparel design. *Melissa Hamilton and Lori Wahl, Univ. of Idaho Extension*
- 3:25 Care for us: Aesthetics and social practice in land management. *Jess Rath, Block Stewards for Native Parkways*

2:45 - 3:45 pm Session 9. Habitat Restoration and Invasive Plant Management

Presented in collaboration with SERCAL

Room: *BMU Auditorium*. Chair: *Katy Chappaz, RECON Environmental*

- 2:45 Big Canyon Coastal Habitat Restoration and Resiliency Project, Phase 3: CEQA exempt through CDFW's SERP process. *Alys Arenas, Newport Bay Conservancy*
- 3:05 Adaptive management at Dos Rios Ranch and Willow Bend Preserves: The effect of seeding timing and irrigation methods on understory establishment and weed control in floodplain restoration. *Sarah Gaffney, River Partners*
- 3:25 Farm edge restoration monitoring in Sacramento Valley highlights native bee use of some exotic plant floral resources. *Corey Shake, Point Blue Conservation Science*

Thursday, October 26, 2023 (continued)

4:00 - 5:15 pm Poster and Exhibitor Session

Room: *BMU Auditorium*. Listed in alphabetical order by lead presenter. See Webex app for full abstracts. *Student contest entrant.

Potential for *Genista monspessulana* invasion and re-invasion in restoration sites through plant-soil feedback. *Serena Barasi**¹, *Edith Lai*¹, *Erin Aiello*¹, and *Ingrid M. Parker*¹.
¹*Dept. of Ecology and Evolutionary Biology, UC Santa Cruz*

The California Department of Pesticide Regulation Grants Programs provide funding opportunities for projects that promote sustainable pest management. *Kimberly Crispin*. *CA Dept. of Pesticide Regulation*

How much seed do we need? Success of varied seedling densities and watering efforts on Southern California shrubland restoration in plastic tree shelters. *Meghan Jeffus** and *Erin Questad*. *CalPoly Pomona*

Native forbs may pair well with perennial grasses in California grassland restoration. *Natalie C. Kataoka**^{1,2}, *Carmen R. E. Watkins*¹, *Marina L. LaForgia*^{1,3}, *Lauren M. Hallett*¹, and *Chhaya M. Werner*⁴. ¹*Univ. of Oregon, Institute of Ecology and Evolution*, ²*UC Davis, Environmental Policy and Management Program*, ³*UC Davis, Dept. of Plant Sciences*, ⁴*Southern Oregon Univ., Dept. of Environmental Science, Policy & Sustainability*

Control of *Spartium junceum* (Spanish broom) on State route 33 through Los Padres National Forest in Ventura County. *Conrad Kiernan*. *Caltrans*

The invasive *Dittrichia graveolens* (stinkwort) stinks at belowground competition. *Miranda Melen**¹, *Nicky Lustenhouwer*², and *Ingrid M. Parker*¹. ¹*UC Santa Cruz*, ²*Univ. of Aberdeen*

Seeding into tree shelters: A lower cost, effect restoration treatment for shrubland ecosystems in Southern California. *Ehren Mohler*, *Erin Questad*, and *Mark Mazhnyy*. *CalPoly Pomona*

Release and establishment of the shoot-tip galling fly *Parafreutreta regalis* (Diptera: Tephritidae) for biological control of Cape ivy (*Delairea odorata*) and potential ecological limitations. *Patrick J. Moran**¹, *Scott Portman*¹, *Kyra Santa Cruz*, *D. Valle Rogers*^{1,2}, and *Tom Dudley*³. ¹*U.S. Dept. of Ag – Ag. Research Service*, ²*Dept. of Environmental Science, Policy and Management, UC Berkeley*, ³*Marine Science Institute, UC Santa Barbara*

Monitoring efficacy of invasive plant mitigation treatments in the Santa Monica Mountains National Recreation Area. *Olivia Parra**¹, *Joseph Algiers*², and *Justin Valliere*¹.
¹*UC Davis*, ²*National Parks Service*

Resurrection of the CNPS Statewide Invasive Plant Committee. *Steve Schoenig* and *Caroline Martorano*. *CA Native Plant Society*

Investigating plant community assembly filters in areas that differ in water availability and land-use along the Santa Clara River Valley. *Noah Szczeszinski**. *CalPoly Pomona*

Long-term monitoring detects reinvasion. *Joanna Tang**¹, *Madeline Nolan*², *Carla D'Antonio*², and *Scott D. Cooper*². ¹*UC Santa Barbara*, ²*Washington Dept. of Fish and Wildlife*

Being intelligently methodical and absolutely relentless in eradicating invasive thistle from public lands. *Roy Tennant*. *Sonoma Overlook Trail and Montini Preserve*

How (and why) to do habitat restoration. *Mike Vandeman*. *Machine-Free Trails Association*

5:30 - 7:30 pm Reception & Raffle: Drinks, appetizers, and prizes - Colusa 100

Friday, October 27, 2023

7:00 - 7:45 am Registration and Breakfast - BMU Lobby and Auditorium

8:00 – 10:00 am Session 10. Fighting Fire and Weeds Together (plus Weed Alerts) *Presented in collaboration with National Park Service*

Room: *BMU Auditorium*. Chair: *Steve Buckley, National Park Service*

8:00 Wildfire resilience in the Santa Monica Mountains: A collaborative approach. *Danielle LeFer, CA State Parks, Angeles District*

8:30 Challenges in managing roadside vegetation to prevent fire and weed spread. *Ken Gallo and Lisa Worthington, Caltrans*

9:00 Minimizing weed spread during fire suppression: Weed wash stations and wildfire. *Joanna Clines, Sierra Nat. Forest*

9:30 Weed Alerts. *Jutta Burger, Cal-IPC and Ron Vanderhoff, CA Native Plant Society – Orange County Chapter*

10:00 - 10:15 am Break

10:15 – 11:30 am Discussion Groups (concurrent)

1. Spread the bugs: Improving distribution of biological control agents for weeds in California.

Room: *BMU 312*. Moderator: *Patrick Moran, US Dept. of Ag. - Ag. Research Service*

2. Fire response planning and weed control.

Presented in collaboration with National Park Service

Room: *BMU 309*. Moderator: *Steve Buckley, National Park Service*

3. Tools & Techniques.

Room: *BMU Auditorium*. Moderator: *Pamela Beitz, East Bay Reg. Parks District*

4. Cutting green tape: Permitting restoration projects is getting easier.

Room: *BMU 203*. Moderator: *Brad Henderson, CA Dept. of Fish and Wildlife*

5. Considering field safety through an equity lens.

Room: *Alumni Glen (BMU 209 in case of rain)*. Moderator: *Constance Taylor, Cal-IPC, with Marion Anthonisen and Amy Chong, Golden Gate Nat. Parks Conservancy, and Claire F. Meyler, Cal-IPC*

6. Communicating about herbicides.

Room: *BMU 210*. Moderator: *Rachel Kesel, CA State Parks*

11:45 am - 12:45 pm Awards Luncheon - BMU Auditorium

1:00 – 2:00 pm Session 11. Soils and Invasive Plants

Room: *BMU 203*. Chair: *Amanda Swanson, CA Dept. of Fish and Wildlife*

- 1:00 Aridity constrains the adaptive potential of plant invaders under nitrogen deposition. *Justin Valliere, UC Davis*
- 1:20 Response of Mojave Desert-native perennials to inoculum from invasive and native annuals. *Mayra J Hernández, UC Davis*
- 1:40 Biogeographical patterns of the rhizosphere microbiome of a native and invasive grass in the western United States. *Rebecca Mueller, US Dept. of Ag. - Ag. Research Service*

1:00 – 2:00 pm Session 12: Weeds vs. Natives: Which Does Our Wildlife Prefer in Natural Areas?

Room: *BMU Auditorium*. Chair: *Tanya Meyer, Yolo County RCD*

- 1:00 Evaluating the plasticity of a “specialized” rodent in a highly-invaded estuary. *Katie Smith, WRA, Inc. and UC Davis*
- 1:20 Long-term outcomes of active reforestation versus natural regeneration following invasive salt cedar removal on the lower Colorado River. *Emma Havstad, River Partners*
- 1:40 Cheatgrass in the sagebrush: Implications of habitat loss and conversion on sagebrush-dependent species, using the Greater Sage-Grouse and Mule Deer as indicator species. *Katie Andrie, Nevada Dept. of Wildlife*

2:00 - 2:15 pm Break

2:15 – 3:15 pm Session 13. Biological Control of Invasive Plants

Room: *BMU 203*. Chair: *Patrick Moran, US Dept. of Ag. - Ag. Research Service*

- 2:15 Biocontrol research on invasive annual grasses. *Brian Rector, US Dept. of Ag. - Ag. Research Service*
- 2:35 Biological control agents of weeds in California: Overview of rearing, releases, and monitoring by the CDFA Biological Control Program. *Chris Borkent, CA Dept. of Food and Ag.*
- 2:55 Biological control of aquatic weeds in California: Status update and a look to the future. *Paul Pratt, US Dept. of Ag. - Ag. Research Service*

2:15 – 3:15 pm Session 14. Adaptive Management and Lessons Learned

Room: *BMU Auditorium*. Chair: *Stephanie Ponce, Caltrans*

- 2:15 Using 10 years of applicator data to assess species status and feasibility of objectives in a long-term eradication program. *Lisa R. Ordonez, US Navy*
- 2:35 Gorse (*Ulex europaeus*) eradication in a coastal park unit. *Taylor Groves, CA State Parks*
- 2:55 Benefits of Indigenous-led collaborative stewardship practices on oblong spurge populations. *Tanya Chapple, Mid Klamath Watershed Council*

Friday, October 27, 2023 (continued)

3:15 - 3:30 pm Break

3:30 – 5:00 pm Session 15. Landscape Scale Collaboration on Invasive Plant Management

Room: *BMU Auditorium*. Chair: *Doug Johnson, Cal-IPC*

- 3:30 Regional partnership to steward San Francisco Bay wetlands. *Drew Kerr, Invasive Spartina Project*
- 4:00 Managing invasive annual grasses through the Sage Grouse Initiative. *Thad Heater, Natural Resources Cons. Service*
- 4:30 Cutting green tape with the California Department of Fish and Wildlife. *Brad Henderson, CA Dept. of Fish and Wildlife*

5:00 Adjourn. Field Trip attendees, meet in the BMU Auditorium by the stage
Meet your trip leaders, confirm carpool drivers, and get directions

Saturday, October 28, 2023

8:00 am Field Trip attendees, meet in the Parking Lot across from BMU

All field trips will meet promptly at 8:00 am in the Parking Lot across from BMU, at Hazel and West Second Street. Attendees that need DPR CEUs must check-in to receive credits. Field trips will depart at 8:30 am.



Grab your Cal-IPC Gear!

Come by the Cal-IPC member table in the BMU Auditorium to pick up a FREE Cal-IPC backstock t-shirt, hat, or a copy of the Prevention BMP Manual, while supplies last! No purchase or donation necessary. While you're there, join as a Cal-IPC member. Your support keeps our work going strong!

Want the newest design?

Find them at the online store now! To keep costs down, items are printed and delivered in batches. Check the site for delivery information. www.cal-ipc.org/shirt