

Cal-IPC Northern California Mini-Symposium

CSU East Bay Concord, July 18, 2022

Invasive Plant Management from Cities to Wildlands

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Thank you for joining us! We are excited to gather to share news and updates on weed management in Northern California. We hope you will also join us online November 1-3 when we will gather with colleagues state-wide.

Statement of Equity, Diversity, and Inclusion:

Cal-IPC is committed to equity, diversity, and inclusion. We are promoting a Symposium environment that is welcoming, safe, collaborative, supportive, and productive for all attendees. We value our diverse perspectives, expertise, opinions, backgrounds, and life experiences, and understand that this collective diversity is essential to meeting our mission and to this event. It is expected that we all uphold this commitment by practicing the following:

- Treat everyone with respect and consideration (including using pronouns if indicated on nametag). Communicate openly and thoughtfully and be considerate and curious of multiple views and opinions that may differ from our own.
- Acknowledge our intentions. Take responsibility and address the impact of our words and actions.
- Be mindful of our fellow participants. Alert Cal-IPC staff if we notice a potentially troubling or dangerous situation, someone in distress, or unacceptable behavior.

Social Media: Share your enthusiasm! What have you learned? Tag us: @cal_ipc and #CALIPC2022



COVID Safety: CSUEB guidelines strongly recommend a face covering or mask. Physical distancing is also recommended. We request that participants be as fully vaccinated as their health status allows.

DPR CEUs: Licensed herbicide applicators that have registered for DPR credit and attended the full day can receive 4 hours DPR CEU "Other" credit (with attendance of workshop 1, 2, or 3). Check in and out at the DPR table to sign attendance sheets and to pick up and return Scantron forms. At the end of the day, please take a Certificate of Completion form from the DPR table for your records.



Tell us how we did! Use the QR code or go online to fill out the survey:
www.surveymonkey.com/r/CSEUB_Cal-IPC_2022



2022 Cal-IPC Northern California Mini-Symposium

Monday, July 18, 2022, 9:00AM – 5:00PM

CSU East Bay – Concord Campus
4700 Ygnacio Valley Rd, Concord, CA 94521

AGENDA

- 8:30 – 9:00AM** Registration check-in and coffee
- 9:00 – 9:15AM** **Welcome, Orientation, and Land Acknowledgment**
Speakers: Jutta Burger, Cal-IPC, and Kathy Cutting, CSU East Bay
- 9:15 – 9:45AM** **The Interconnectedness of the Natural World**
Presenter: Sean Burke, Save Mount Diablo
- 9:45 – 10:15AM** **American Badger, California's Grassland Helper**
Presenter: Susan Kirks, Paula Lane Action Network
- 10:15 – 10:30AM** Break
- 10:30AM – 12:45PM** **Concurrent Workshops**

TRACK 1: EDRR Program Jumpstart: Steps for Going from Zero to Pilot Program

Instructor: Rachel Kesel, One Tam

This course will outline the four cornerstones of an Early Detection Rapid Response (EDRR) program, based on models used at One Tam and California State Parks. 1) Survey geography with an emphasis on vector pathways for invasive plants. 2) Review tools and considerations for selecting target species. 3) Data collection requirements, pitfalls, and opportunities. 4) Strategies for ensuring treatments are built into your pilot program. Take home training resources, checklists, and cheat sheets.

TRACK 2: Managing Perennial Woody Weeds

Moderator: Tatiana Manzanillo, East Bay Regional Parks District

Panelists: Rachel Hedrickson, National Park Service; Jaclyn Lim and Patrick McIntyre, East Bay Regional Park District; Naftali Moed, California State Parks

Local experts share diverse approaches to managing woody weeds, including mechanical and chemical applications, large-scale mechanical fuels removal, and post-fire monitoring and treatment. Audience questions encouraged.

TRACK 3: Weed Control in Native and Restored Grasslands

Instructors: Chris Rose, Solano Resource Conservation District; Tanya Meyer, Yolo County Resource Conservation District; Allison Rofe, and Peter Hopkinson, East Bay Regional Parks District

Learn the basics of grassland restoration with an in-depth discussion on different weed control methods, including grazing, fire, mechanical, and herbicide. Learn how to understand your site, which weeds to target, and the timing of weed control activities. Share your grassland management experiences!

TRACK 4: Community Stewardship and Engagement: An Evolving Dance of Collective Care

Facilitators: Martha Cerda, Amy Chong, Marion Anthonisen, and Yakuta Poonawalla, Golden Gate National Parks Conservancy

Join a reflective peer-to-peer workshop where we will center the interconnected aspects of land stewardship and community engagement. From personal stories to examples of intentional park programming, we will share the success and effectiveness of collaborative community-based stewardship. Learn how to design programs that elevate indigenous wisdom, inspire climate action, enact principles of justice, equity, diversity, and inclusion, and support overall community health and wellness.

12:45 – 2:00PM Lunch

2:00 – 3:00PM Afternoon Session 1 – Case Studies of Habitat Conservation and Weed Management in Northern California

Case Study #1 Mapping, Control, and Monitoring of *Arundo donax* in San Ramon Creek

Presenter: Mike Anciaux, Friends of San Ramon Creek

Case Study #2 Vegetation Management for Fuels Reduction in the East Bay

Presenters: Tatiana Manzanillo and Jaclyn Lim, East Bay Regional Park District

Case Study #3: Managing Native Grasslands

Presenter: Chris Rose, Solano Resource Conservation District

3:00 – 3:15PM Break

3:15 – 4:15PM Afternoon Session 2: Managing Weeds Across Boundaries

Case Study #4 Cross-County Collaboration on Weed Management for Success on Delta Habitat Restorations

Presenters: Elizabeth Davis, Solano Resource Conservation District; Amy Williams, Yolo County Resource Conservation District; and Ben Weise, Contra Costa Resource Conservation District

Case Study #5 Regional EDRR with Bay Area WMAs

Presenters: Doug Johnson and Nicole Valentine, Cal-IPC

Case Study #6: Tracking Weeds in Calflora to Manage Them Successfully: History Stacks, Email alerts, and Other Cool and Nifty Tools

Presenter: Cynthia Powell, Calflora

4:15 – 4:30PM

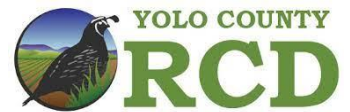
Final Questions & Wrap-Up

Thank you to our program partners!

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California Native Grasslands Assoc.
CNPS – El Dorado Chapter
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SERCAL

Talk Abstracts

(List is alphabetical by lead author.)

Mapping, Control, and Monitoring of *Arundo Donax* in San Roman Creek. Mike Anciaux, Friends of San Ramon Creek
mike.anciaux@gmail.com

Arundo donax is a highly invasive large grass that is taking over watersheds throughout California. The Friends of San Ramon Creek (FSRC) has been working to remove this pest since 2013 and is on track to have all identified patches in the San Ramon Creek Watershed under control within 5 years. FSRC uses GIS mapping tools to record and track field observations of *Arundo*. To date, they have identified over 140 patches, mostly on private property. FSRC works to get landowner support for the removal effort then uses a combination of volunteer teams and contractors to remove and treat *Arundo* patches. Many lessons have been learned to optimize the removal of *Arundo* from steep creek banks. FSRC continues to monitor and treat the regrowth until it is completely gone, usually about 5 years.

The Interconnectedness of the Natural World. Sean Burke, Save Mount Diablo sburke@savemountdiablo.org

This presentation will discuss the symbiotic relationship between our open spaces, people, animals, and plants, and the importance of our interaction pertaining to the environment. The presentation will include a discussion of fire ecology and the interaction of people and habitat (specifically chaparral) and how they have coevolved.

Community Stewardship and Engagement: An Evolving Dance of Collective Care. Martha Cerda¹, Amy Chong¹, Marion Anthonisen¹, Yakuta Poonawalla¹. ¹Golden Gate National Parks Conservancy mcerda@parksconservancy.org

We're all asking the same question: *In an era of heartbreaking losses to land and people, how do we strengthen land conservation and stewardship practices and programs to build a just, equitable and resilient future we all want?* We invite you to join us for a reflective peer-to-peer workshop where we will center the interconnected aspects of land stewardship and community engagement. From personal stories to examples of intentional park programming, we hope to share the success and effectiveness of collaborative community-based stewardship that we are witnessing in the parks. At an individual, organizational or your community level, if you're thinking about how to design programs that elevate indigenous wisdom, inspire climate action, enact principles of justice, equity, diversity and inclusion, and support overall

community health and wellness, then please join us for this session!

Cross-County Collaboration on Weed Management for Success on Delta Habitat Restorations. Elizabeth Davis¹, Amy Williams², Ben Weise³. ¹Solano Resource Conservation District, ²Yolo County Resource Conservation District, ³Contra Costa Resource Conservation District
elizabeth.davis@solanorcd.org

Contra Costa, Yolo County, and Solano RCD work collaboratively on a number of restoration and mitigation sites within the Sacramento-San Joaquin Delta owned and managed by the California Department of Water Resources. Through this unique collaboration, we partner for greater impact and management of invasive weeds, to enhance habitat and create stronger restorations. Our "case study" will cover our program at large, including our efforts to map, monitor, and manage invasive weeds in the Delta (Perennial pepperweed, Pampas and Jubata grass, poison hemlock, yellow flag iris, sweet clover, mustard, Himalayan blackberry and more), our IPM strategies, management techniques and their efficacy, and how and why we partner for greater impact. We'll also detail special species and habitats that we're working with and the impacts that invasive weeds have on them.

Regional EDRR with Bay Area WMAs. Doug Johnson¹, Nicole Valentine¹. ¹California Invasive Plant Council dwjohnson@cal-ipc.org

An approach of "early detection and rapid response," or EDRR, is the most efficient way to stop the spread of priority weeds — containing them before they become widespread. Effective EDRR requires a landscape-level approach. County-based Weed Management Areas, or WMAs, are set up to provide the cross-jurisdictional coordination needed for such an approach. Cal-IPC worked with WMAs in the nine counties of the San Francisco Bay Area to determine a set of 15 invasive plant species as region-wide EDRR targets. This includes known problem plants that are prevalent elsewhere in the state, such as Russian knapweed (*Acroptilon repens*), newer plants that are spreading rapidly, such as stinknet (*Oncosiphon pilulifer*), and new finds, such as seashore *Paspalum* (*Paspalum vaginatum*). The goals for these priority targets are to (1) make sure that all known populations are documented fully in Calflora, and (2) control as many of the populations as possible. We will describe the process for selecting regional target species, report on

progress to date, and share how a similar process has been deployed in other regions of the state.

EDRR Program Jumpstart: Steps for Going from Zero to Pilot Program. Rachel Kesel, One Tam rkesel@onetam.org

This course will outline the four cornerstones of an Early Detection Rapid Response program. First, we'll consider your survey geography with an emphasis on vector pathways for invasive plants. We'll review tools and considerations for selecting target species. Data collection requirements, pitfalls, and opportunities will be discussed at a high level. Because rapid response is the goal of early detection surveys, we'll look at strategies for ensuring treatments are built into your pilot program. The instructor will bring a few flash drives of training resources to share, including checklists and cheatsheets for later use. This workshop derives from the One Tam EDRR program in Marin County, and the EDRR training program at California State Parks.

American Badger, California's Grassland Helper. Susan Kirks, Paula Lane Action Network susan.petaluma@gmail.com

American Badger (*Taxidea taxus*) is a native California mammal and a CA Species of Concern since 1987. A keystone species and meso-predator, badger fulfills a critically important role in our inland and coastal grassland ecosystems. Badger has much to teach us about balance in Nature. Badger's skilled digging for prey contributes to soil aeration in grasslands. Capturing prey to sustain and also feed hungry cubs leads to natural management of rodent populations in our grasslands.

Managing Perennial Woody Weeds. Tatiana Manzanillo¹, Rachel Hedrickson², Jaclyn Lim¹, Patrick McIntyre¹, Naftali Moed³. ¹East Bay Regional Parks District, ²National Parks Service, ³California State Parks TManzanillo@ebparks.org

Local experts on this panel represent a diversity of approaches to managing woody weeds. They will share their experiences with mechanical and chemical applications, large-scale mechanical fuels removal, and post-fire monitoring and treatment. Participants will also be able to share their own experiences and ask questions. Includes: Mechanical treatment methods for broom, *Eucalyptus*, *Acacia*, and other woody species; chemical treatment methods for broom, *Eucalyptus*, *Acacia*, and other woody species; weed impacts post-treatment and post-fire; monitoring and treatment techniques; large-scale mechanized treatment methods (fuels reduction) and weed impacts post-treatment; and post-fire monitoring and treatment techniques.

Vegetation Management for Fuels Reduction in the East Bay. Tatiana Manzanillo¹, and Jaclyn Lim¹. ¹East Bay Regional Parks District TManzanillo@ebparks.org

A case study on the East Bay Regional Park District's work on wildland-urban fuels management. This case study focuses on the impacts of native and non-native perennial woody species to reduce the risk of intense wildfire on the landscape. Management strategies include mechanical, cultural, and chemical techniques and will provide land managers and land stewards with tools and perspective to apply to their own work.

Tracking Weed in Calflora to Manage them Successfully: History Stacks, Email Alerts, and Other Cool and Nifty Tools. Cynthia Powell, Calflora cpowell@calflora.org

Successful weed management across landscapes requires accurate mapping and tracking. This presentation will describe a free webtool and smartphone application to help with identification, documentation, tracking, and management of weeds. Several newer features will be demonstrated that are improving the ways managers can track and communicate with one another about weed infestations for management.

Managing Native Grasslands. Chris Rose, Solano Resource Conservation District chris.rose@solanorcd.org

Native grasslands are an iconic and ecologically rich component of northern California landscapes, yet their conservation and management are challenged by many factors, including highly competitive invasive grasses and forbs. This presentation will describe some of the practices that Solano RCD is involved in to maintain and restore native grasslands, including selective herbicide application, timed mowing to reduce weeds, grazing, burning, and, where necessary, reseeding with IPM employed for site preparation and maintenance techniques to keep weeds suppressed.

Weed Control in Native and Restored Grasslands. Chris Rose¹, Tanya Meyer², Allison Rofe³, Peter Hopkinson³. ¹Solano Resource Conservation District, ²Yolo County Resource Conservation District, ³East Bay Regional Parks District chris.rose@solanorcd.org

In this discussion group, participants will learn the basics of grassland restoration. The most important part of successful grassland restoration work is controlling annual grasses and other aggressive weeds, so in-depth discussion will be held on different weed control methods, including grazing, fire, mechanical and herbicide. Because every site is different, one of the discussion topics will be learning to understand your site, which includes knowing which weeds to target and the timing of all weed control activities.