

CalEPPC Symposium 2003: "Planning Weed Management for Ecosystem Recovery"

P R O G R A M

October 2-4, North Tahoe Conference Center, Kings Beach CA

Thursday, October 2

7:00 Registration begins

Session 1: Laws & Regulations (2 hrs credit)

- 8:00 An overview of environmental compliance and permitting *Petra Unger, EDAW Inc.*
- 8:25 Efficient watershed and regional permitting and compliance strategies *Ron Unger, EDAW Inc.*
- 8:50 The role of the Agricultural Commissioner *Joshua Huntsinger, Placer County Ag. Comm.'s office*
- 9:15 Herbicide use, water quality, and regulatory considerations *Jason Churchill, Lahontan Water Board*
- 9:40 Cultural resource statutes, weed management, and restoration *Lynne Christiansen, San Diego County Historian*

10:00 Morning break (*refreshments served*)

10:20 Welcome *Joe DiTomaso, CalEPPC Board President; Dawn Lafferty, University of Nevada Cooperative Extension; Sue Donaldson, Lake Tahoe Basin Weed Coordinating Group*

Session 2: Assessing, Planning, and Setting Priorities

- 10:30 Invasive plant infestation assessment on Catalina Island: Determination of mapping sample size and accuracy *John Knapp, Cal Poly San Luis Obispo*
- 10:55 How did we get the project going and how are we doing it? Assessing, planning, and prioritizing for the Eastern Nevada Tri-county weed project *Robert E. Wilson, University of Nevada Cooperative Extension, White Pine*
- 11:20 A watershed approach to *Arundo donax* removal and riparian restoration *Karen Gaffney, Circuit Rider Productions*
- 11:45 Planning for weed control in the context of threatened and endangered species *Maria Ryan, University of Nevada Cooperative Extension*

12:10 Lunch (*buffet*)

Session 3: Working Groups I (Concurrent)

- 1:10 1) Nurseries: Working with industry on invasive plants *Alison Stanton, BMP Ecosciences*
- 2) Mapping: Setting priorities and communicating scope *Steve Schoenig, California Dept. of Food & Ag.*
- 3) Fire: Prescribed burning as a management tool *Joe DiTomaso, UC Davis*
- (*cont'd*)

- 4) Riparian invaders: A multi-species approach *Tom Dudley, University of Nevada, Reno*
- 5) Volunteers: Engaging the public *Sue Donaldson, University of Nevada Coop. Extension*
- 6) Revegetation: When and how *Ken Lair, Bureau of Reclamation*

2:40 Afternoon break (*refreshments served*)

Session 4: Working with Ecosystem Processes in Recovery

- 3:00 Atmospheric CO₂ influences on recovery potential *Jay Arnone, Desert Research Institute*
- 3:30 Nitrogen augmentation of soils *Jeff Corbin, UC Berkeley and Carla D'Antonio, USDA-ARS*
- 4:00 Fire regimes and potential for recovery *Matt Brooks, USGS and Mike Pellant, BLM*
- 4:30 Hydrological influences on recovery potential *Julie Stromberg, Arizona State University*

5:00 Poster Session and Social
No-host bar

6:30 Dinner (*banquet*)

- 7:30 Evening events
- Paul Thomsen, Sen. Reid's (NV) office
 - Michael Hogan, SERCAL
 - Welcome new board members
 - Membership drive contest
 - Awards presentation

8:30 Music

Friday, October 3

Session 5: New Management Tools and Techniques

- 8:00 Removing biomass and controlling weeds: Report on brown brush monitor trials *Stuart Gray, UAP Timberland / Western Shasta RCD & Beau Miller, Dow AgroSciences*
- 8:30 Native grass seeding and mulch effects on weedy species *Michael Hogan, Integrated Environmental Restoration Services, Inc.*
- 9:00 Managed goat grazing—It works *Hugh & Sarah Bunten, Southern Oregon Goat Producers*
- 9:30 Imazapyr herbicide—Effective uses on invasive plants *Bob Brenton, Independent Pest Control Advisor*

10:00 Morning break (*refreshments served*)

Session 6: Working Groups II (Concurrent)

- 10:20 1) Risk assessment: Using the new CalEPPC weed listing criteria *Peter Warner, California State Parks*
- 2) Annual grasses: Status of biology and control *Carla D'Antonio, USDA-ARS*
- 3) Perennial pepperweed: What works? Rob Wilson, University of California Coop. Extension
- 4) Biocontrols: Progress and ongoing needs *Ray Carruthers, USDA-ARS*
- 5) Aquatic weeds: Policy, prevention, and control *Lars Anderson, USDA-ARS*
- 6) Advocacy: Reaching policy makers *Wendy West, El Dorado County Ag. Comm.'s office*

12:00 Lunch (*buffet*)

1:00 CalEPPC Updates:

- Board report *Joe DiTomaso, Board Pres.*
- Executive Director report *Doug Johnson*
- The National Picture *Tim Playford, NISAC*
- Red Alerts *Mandy Tu, The Nature Conservancy*

Session 7: Monitoring and Evaluating Recovery Progress

- 1:30 When is restoration appropriate? *Carla Bossard, St. Mary's College of California*
- 1:40 Defining and evaluating recovery *Jeanne Chambers, US Forest Service*
- 2:10 How do I use my monitoring tools? *David Pyke, US Geological Survey*
- 2:40 A decade of restoration at the Lanphere Dunes: Monitoring at multiple scales. *Andrea Pickart, Humboldt Bay NWR*

3:10 Afternoon break (*refreshments served*)

Contributed Papers (concurrent sessions)**Session 8 – Management:**

- 3:30 Tahoe whitetop eradication and native plant community restoration *Shannon Peters, UC Berkeley, and Julie Etra, Western Botanical Services*
- 3:50 Experimental revegetation strategies and technologies for restoration of native shrub/grass communities on saltcedar (*Tamarix* spp.) infestation sites *Kenneth Lair and Sarah Wynn, US Bureau of Reclamation*
- 4:10 Abundance and distribution of non-native woody species in Sacramento Valley riparian zones *John Hunter, John Sterling, William Widdowson, Edward Beedy, Jones & Stokes; Diana Stralberg and Nadav Nur, Point Reyes Bird Observatory*
- 4:30 Getting the job done: Working within the regulatory environment at Lake Tahoe to manage weeds *Sue Donaldson, University of Nevada Cooperative Extension*

- 4:50 Community responses to spotted knapweed: A sociological view *Kari Marie Norgaard, UC Davis*
- 5:10 Nitrogen deposition impacts on a nutrient-poor grassland ecosystem: conservation, management and restoration *Stuart Weiss, Creekside Center for Earth Observations*
- 5:30 Tarping as an alternative to chemical stump treatment of *Acacia dealbata* *Matt Horowitz, Santa Cruz Natural Resources and Employment Program*
- 5:50 Tilling Himalayan blackberry out of Yosemite Valley *Lisa Ordóñez, National Park Service*

Session 9 – Biology and Biocontrols:

- 3:30 Biocontrols and restoration *David Headrick, Cal-Poly San Luis Obispo, Horticulture & Crop Science*
- 3:50 The potential contribution of natural enemies from Mediterranean Europe to the management of the invasive weed *Arundo donax* (Graminae; Arundinae) in the US *Andrew Kirk, Tim Widmer, G. Campobasso, USDA ARS European Biological Control, and Ray Carruthers and Tom Dudley, USDA ARS Western Regional Research Center, Exotic and Invasive Weed Research Unit.*
- 4:10 The use of remote sensing to assess biological control impact on saltcedar in Lovelock, Nevada *R. Carruthers, G. Anderson, & J. Knight, USDA-ARS*
- 4:30 Rapid evolution of invasive California poppies *Beth Leger, UC Davis Graduate Group in Ecology*
- 4:50 Prediction of *Cynara cardunculus* seedling development using a degree-day approach *Virginia White & Jodie Holt, UC Riverside*
- 5:10 Patterns of seedling establishment in *Cynara cardunculus* *Robin Marushia & Jodie Holt, UC Riverside*
- 5:30 Invasibility of experimental riparian communities by *Arundo donax* *Lauren Quin & Jodie Holt, UC Riverside*
- 5:50 Seasonal activity and impacts of *Arundo donax* *Michael Rauterkus & Jodie Holt, UC Riverside*
- 6:10 Dinner on your own

Saturday, October 4

8:15 Field Trips depart conference center parking lot.

Field Trip 1: Tahoe's natural heritage

(full day, approx. 8:15 – 4:30, includes lunch)

Led by Steve Matson, Tahoe Chapter of the California Native Plant Society, and Alison Stanton, BMP Ecosciences.

The trip will begin with a visit to the site of this year's restoration work where threatened Tahoe yellow cress (*Rorippa subumbellata*) has been replanted. The tour will then visit favorite spots in Tahoe's native plant communities.

Field Trip 2: Eurasian watermilfoil and aquatic weeds

(half day, approx. 8:15 - 12:30)

Led by Lars Anderson, USDA-ARS

This trip will travel across Lake Tahoe by boat to visit an ongoing *Myriophyllum spicatum* removal site. The infestation will serve as an example for exploring the issues of aquatic plant control in California. Many other aquatic weeds, such as *Egeria*, *Hydrilla*, and water hyacinth are wreaking havoc on the state's fresh water, while the imminent threat of *Caulerpa taxifolia* in the marine environment is another major concern. Dr. Anderson is a leading expert on the ecological and regulatory issues relevant to invasive aquatic plants and their control.

Field Trip 3: New weeds in Tahoe

(half day, approx. 8:15 - 12:30)

Led by Sue Donaldson, U. of Nevada Cooperative Extension and Chair of the Lake Tahoe Basin Weed Coordinating Group, and Beth Brenneman, USFS Lake Tahoe Basin Mgmt. Unit

This trip will show infestations that have been discovered in recent years by the local weed collaborative, and discuss the avenues for control the group is pursuing. We'll head to Tahoe City to view yellow and Dalmation toadflax infestations at Lake Forest, then to Ward Canyon to see a Klamathweed infestation along the road. Finally, we'll head to South Lake Tahoe to see the long-term perennial pepperweed control plot, where it is thought contractors used infested straw for erosion control along a bike path in the 1980s. Here we may enlist participants in helping us with revegetation of a ¼-acre site by spreading and raking seed, followed by mulching. The trip will circle the entire lake, and will stop to take in a vista or two.