

## Genetic monitoring in California State Parks: Improving connections between species management and genetic research

Wednesday, February 16, 2005

Plum Room, DANR Building, Hopkins Road, University of California, Davis

*Workshop sponsor:* California Department of Parks and Recreation

*Organizers:* Roy Woodward (Resource Ecologist, and the lead for the Inventory, Monitoring, & Assessment Program, (IMAP) Cal Parks) and Deborah Rogers (Conservation Geneticist, Genetic Resources Conservation Program, University of California)

### Program

**8:45 a.m.** Coffee/juice and carbs available

**9:00** Welcome and introduction to workshop objectives (Deborah Rogers)

**9:05** Roundtable introductions of all participants (professional context, interest in workshop)

**9:20** **Roy Woodward** (Description of IMAP and interest in genetic monitoring in California State Parks)

**10:00** **Deborah Rogers** (Genetic monitoring: Its definition and value)

**10:20** *Break*

**10:30** **Rachel Schwartz** (Department of Animal Science, UCD) “Genetic monitoring in selected California fish and amphibians”

**11:15** **Lynn Kimsey** (Professor, Dept of Entomology; Director, Bohart Museum of Entomology, UCD) “Insects, good, bad and ugly: Should we care?”

**12:00 p.m.** *LUNCH (provided on site; no cost to participants)*

**12:30** **Holly Ernest** (Associate Director, Wildlife and Ecology Unit, Veterinary Genetics Laboratory, UCD) (With contributions from Ben Sacks, Sarah Brown, Elizabeth Heeg, Joshua Hull, and Jay Well)\* “Genetic monitoring in selected California mammals and birds”

*Note: participants can continue to enjoy lunch while meeting recommences*

**1:30** **Kevin Rice** (Professor, Dept of Plant Sciences, UCD) “Genetic monitoring for California native plants: Can we link ecological monitoring with evolutionary processes?”

**2:15** **Diane Elam** (Listing and Recovery Coordinator for the California/Nevada Operations Office, US Fish and Wildlife Service, Sacramento) “Plant and animal case studies for federally listed species in California: The role of genetics”

**2:45** Discussion: Issues and opportunities for genetic monitoring for different taxa; Common trends among taxa; Ideas for IMAP to incorporate genetic monitoring or sampling in the future; How to preserve and share biological collections; Ideas/opportunities for beneficial connections between UC research(ers) and State Parks (and other agency) staff for monitoring activities.

**3:30** Workshop concludes (approximate time)



\***Ben Sacks**, Assistant Project Ecologist, **Sarah Brown**, Graduate Student Researcher, **Elizabeth Heeg**, Graduate Student Researcher, **Joshua Hull**, Graduate Student Researcher, **Jay Well**, Laboratory Manager, Wildlife and Ecology Unit, Veterinary Genetics Laboratory, UCD