

**California-Nevada Amphibian Populations Task Force  
January 10-12, 2008**

**Treetops  
San Diego Zoo  
San Diego, CA**

**FINAL AGENDA**

- Chair:** David Bradford, US Environmental Protection Agency, Las Vegas
- Steering Committee:** Cathy Brown, Carlos Davidson, Amy Lind, Jef Jaeger, Roland Knapp, Lara Rachowicz, Jon Sjoberg
- Meeting Coordinator:** Jef Jaeger, UNLV School of Life Sciences and Public Lands Institute
- Local Committee:** Donal Boyer, Zoological Society of San Diego  
Kim Lovich, Zoological Society of San Diego  
Robert Fisher, US Geological Service, Biological Resources Discipline  
Adam Backlin, US Geological Service, Biological Resources Discipline
- Meeting Sponsors:** Zoological Society of San Diego  
University of Nevada, Las Vegas, Division of Educational Outreach

**Thursday, January 10, 2008**

- 7:30 am           **Gate Open For Us.** Use gate by Warner Building, to right of front gate.
- 7:45-8:30 am      **Registration and Refreshments**
- 8:30-8:40 am      **Introduction and Announcements.** David Bradford, US Environmental Protection Agency, Landscape Ecology Branch, Las Vegas, NV
- Session 1**           Moderator: David Bradford
- 8:40-9:00 am      **Status of Relict Leopard Frog Conservation.** Jef Jaeger<sup>1,2\*</sup>, Dana Drake<sup>2</sup>, Matthew Graham<sup>1</sup>, Ross Haley<sup>3</sup>. <sup>1</sup> School of Life Sciences, University of Nevada, Las Vegas; <sup>2</sup>Public Lands Institute, University of Nevada, Las Vegas; <sup>3</sup>Lake Mead National Recreation Area, National Park Service, Boulder City, NV (20 min)
- 9:00-9:20 am      **Columbia Spotted Frog Age-Growth Rates and Annual Population Fluctuation (or) Why an Agency Biologist Should Care.** Maija Meneks. Humboldt-Toiyabe National Forest, Mountain City Ranger District, Elko, NV. (20 min)
- 9:20-9:40 am      **Management for Controlling the Spread of Amphibian Diseases Through Trade.** Angela Picco\* and James Collins. School of Life Sciences, Arizona State University, Tempe, AZ. (20 min)

- 9:40-10:00 am **Site Fidelity of *Rana muscosa*, the Mountain Yellow-legged Frog, in a High Elevation Basin in the Sierra Nevada.** Kathleen Matthews\* and Haiganoush Preisler. Pacific Southwest Research Station, Sierra Nevada Research Center, USDA Forest Service, Berkeley, CA. (20 min)
- 10:00-10:45 am **Break**
- Session 2** Moderator: Kathleen Matthews, USDA Forest Service, PSW Research Station, Berkeley, CA
- 10:45-11:05 am **Impacts of Post-fire Geological Processes on Amphibian and Fish Habitat in Southern California.** Robert Fisher<sup>1\*</sup>, Adam Backlin<sup>1</sup>, Carlton Rochester<sup>1</sup>, and Susan Cannon<sup>2</sup>. <sup>1</sup>USGS Western Ecological Research Center, San Diego, CA; <sup>2</sup>USGS Central Region Geologic Hazards Team, Denver, CO. (20 min)
- 11:05-11:25 am **Zoological Institutions and Native Amphibian Conservation in the Southwestern United States: Taming Conservation Problems in the Wild West.** Kim Lovich, Curators Department, Zoological Society of San Diego, San Diego, CA. (20 min)
- 11:25-11:45 am **Ongoing Restoration of Mountain Yellow-legged Frogs and High Mountain Lakes and Streams in Sequoia and Kings Canyon National Parks, California.** Danny, Boiano. Sequoia and Kings Canyon National Parks, Three Rivers, CA. (20 min)
- 11:45-12:05 pm **Monitoring Amphibians: Can't I Just Start Counting Frogs?** Cheryl Brehme\* and Robert Fisher. USGS Western Ecological Research Center, San Diego, CA. (20 min)
- 12:05-1:35 pm **Lunch**
- Session 3** Moderator: Jef Jaeger, UNLV School of Life Sciences and Public Lands Institute, Las Vegas, NV
- 1:35-1:55 pm **Breeding Phenology of the Foothill Yellow-legged Frog (*Rana boylei*) in the Trinity River Basin, Surveys from 2004-2007.** James Bettaso<sup>1\*</sup>, Don Ashton<sup>2</sup>, and Hartwell Welsh<sup>2</sup>. <sup>1</sup>US Fish and Wildlife Service, Arcata, CA; <sup>2</sup>Redwood Sciences Laboratory, USDA Forest Service, Arcata, CA. (20 min)
- 1:55-2:15 pm **2007 Year in Review: Legal and Policy Developments Affecting Western Amphibians.** Deanna Spooner, Attorney at Law, Glide, OR. (20 min)
- 2:15-2:35 pm **What's hopping in PARC and Southwest PARC (and opportunities for collaboration)?** Priya Nanjappa Mitchell<sup>1</sup>; Ernesto Garcia<sup>2</sup>; and David Bradford<sup>3\*</sup>. <sup>1</sup>Association of Fish & Wildlife Agencies, Washington, DC; <sup>2</sup>US Fish & Wildlife Service, Trinity River Restoration Program, Weaverville, CA; <sup>3</sup>US Environmental Protection Agency, Las Vegas, NV. (20 min)

- 2:35-2:50 pm **Future of the California-Nevada Amphibian Population Task Force.** Comments and discussion led by Dave Bradford. (15 min)
- 2:50-5:00 pm **Break and Tours of Herpetological Facilities**
- 6:30 pm **Dinner on own; suggestions will be provided.**

**Posters**

All Day,  
Thurs-Fri

**Mountain Yellow-Legged Frog, *Rana muscosa*, Headstart and Breeding Program at the San Diego Zoo's Conservation and Research of Endangered Species (CRES) Department.** Frank Santana and Jeffrey Lemm. Conservation and Research of Endangered Species, Zoological Society of San Diego, San Diego, CA.

**Banking Amphibian Genetic Resources for Research and Recovery.** William Modi. Conservation and Research of Endangered Species, Zoological Society of San Diego, San Diego, CA.

**Determining the Susceptibility of Springs and their Associated Anuran Communities in the Mojave Desert to Climatic Change and Development.** Elizabeth Gallegos<sup>1\*</sup>, R.N. Fisher<sup>2</sup>, G.A. Smith<sup>3</sup>, and R.A. Schroeder<sup>3</sup>. <sup>1</sup>U.S. Geological Survey, Western Ecological Research Center, Irvine, CA; <sup>2</sup>U.S. Geological Survey, Western Ecological Research Center, San Diego, CA; <sup>3</sup>U.S. Geological Survey, California Water Science Center, San Diego, CA.

**Friday, January 11, 2008**

- 7:30 am           **Gate Open For Us.** Use gate by Warner Building, to right of front gate.
- 7:45-8:30 am       **Registration and Refreshments**
- 8:30-8:35 am       **Announcements.** David Bradford, US EPA, Las Vegas, NV.
- Session 4**           Moderator: Cathy Brown, USDA Forest Service, Pacific Southwest Research Station, Berkeley, CA
- 8:35-8:55 am       **Science and Management of the Amphibian Chytrid Fungus, *Batrachochytrium dendrobatidis*.** Deanna Olson, USDA Forest Service, Pacific Northwest Research Station, Corvallis, OR. (20 min)
- 8:55-9:15 am       **Spatial Patterns of Airborne Pesticides in the Alpine Habitat of a Declining California Amphibian, the Mountain Yellow-legged Frog.** David Bradford<sup>1\*</sup>, Kerri Stanley<sup>2</sup>, Laura McConnell<sup>3</sup>, Nita Tallent-Halsell<sup>1</sup>, Staci Simonich<sup>2, 4</sup>, Roland Knapp<sup>5</sup>, and Maliha Nash<sup>1</sup>. <sup>1</sup>US Environmental Protection Agency, Landscape Ecology Branch, Las Vegas, NV; <sup>2</sup>Department of Environmental and Molecular Toxicology, Oregon State University, Corvallis, OR; <sup>3</sup>USDA Environmental Management and Biproduct Utilization Laboratory, Beltsville, MD. <sup>4</sup>Department of Chemistry, Oregon State University, Corvallis, OR; <sup>5</sup>Sierra Nevada Aquatic Research Laboratory, University of California, Mammoth Lakes, CA. (20 min)
- 9:15-9:25 am       **Breeding Phenology of the Northern Red-legged Frog (*Rana aurora*) at Humboldt Bay National Wildlife Refuge, California, USA.** Jamie Bettaso<sup>1\*</sup>, Justin Garwood<sup>2</sup>, and Michael van Hatten<sup>3</sup>. <sup>1</sup>US Fish and Wildlife Service, Arcata, CA; <sup>2</sup>USDA Forest Service, Redwood Sciences Laboratory, Arcata, CA; <sup>3</sup>Department of Fish and Game, Eureka, CA. (10 min)
- 9:25-9:45 am       **Amphibian Research in Northwest California: An Update on the Herpetology Research Group's Recent Activities.** Hartwell Welsh Jr., Don Ashton\*, Karen Pope, Garth Hodgson, Justin Garwood, and Clara Wheeler. USDA Forest Service, Pacific Southwest Research Station, Redwood Sciences Laboratory, Arcata, CA. (20 min)
- 9:45-10:00 am      **California's High Mountain Lakes Project – Status and Summary of Statewide Surveys.** Mitch Lockhart, California Department of Fish and Game, Sacramento, CA. (30 minus Milliron's minutes)
- 10:00-10:35 am    **Break**
- Session 5**           Moderator: Robert Fisher, USGS, Biological Resources Discipline, San Diego, CA
- 10:35-10:50 am    **California's High Mountain Lakes Project – Management Planning, Amphibian Restoration, and Fish Stocking.** Curtis Milliron, California Department of Fish and Game, Bishop, CA.. (30 minus Lockhart's minutes)

- 10:50-11:10 am **Experimental Aquatic Restoration in Yosemite National Park to Inform Aquatic Management and Recover the Sierra Nevada Yellow-legged Frog.** Jeff Maurer\* and Steve Thompson. Wildlife Branch, Division of Resources Management and Science, Yosemite National Park, El Portal, CA. (20 min)
- 11:10-11:30 am **Development of Habitat Suitability Criteria for the Foothill Yellow-legged Frog (*Rana boylei*) in the Northern Sierra Nevada, and Coast Ranges of California.** Amy Lind<sup>1</sup>, Sarah Yarnell<sup>2\*</sup>, and the Foothill Yellow-legged Frog Habitat Suitability Criteria Technical Workgroup. <sup>1</sup>USDA Forest Service, Sierra Nevada Research Center, Davis, CA; <sup>2</sup>Center for Watershed Sciences, University of California, Davis, CA. (20 min)
- 11:30-11:50 pm **An Assessment of Pulsed Flows on Foothill Yellow-legged Frog Habitat Hydraulics using Two-Dimensional Hydrodynamic Modeling.** Sarah Yarnell<sup>1\*</sup>, Amy Lind<sup>2</sup>, Sarah Kupferberg<sup>3</sup>, and Jeff Mount<sup>1</sup>. <sup>1</sup> Center for Watershed Sciences, University of California, Davis; <sup>2</sup> Sierra Nevada Research Center, USDA Forest Service; <sup>3</sup> Questa Engineering, Point Richmond, CA. (20 min.)
- 11:50-12:10 pm **Spatial dynamics and habitat factors of California red-legged frogs.** Antonia D'Amore<sup>1</sup>, Valentine Hemingway<sup>1\*</sup>, Kerstin Wasson<sup>3</sup>. <sup>1</sup> Department of Ecology and Evolutionary Biology, University of California Santa Cruz, CA; <sup>2</sup> Elkhorn Slough National Estuarine Research Reserve, Watsonville, CA. (20 min)
- 12:10-2:15 pm **Closing Comments.** Dave Bradford.
- 12:15-5:00 pm **Meeting Adjourned; Self Tour of Zoo**

**Saturday, January 12, 2008**

- 7:30-3:00 pm **Field Trip to Amphibian Habitats Affected by Wildfire.** Details and meeting location to be announced. Trip leader: Robert Fisher.

\* Indicates speaker in multi-authored talk.