

**California-Nevada Amphibian Populations Task Force
January 9-11, 2014**

**Community Center (adjacent to the Senior Center)
Beatty, Nevada**

AGENDA

- Chair:** Dave Bradford, Las Vegas, NV
- Meeting Coordinator:** Jef Jaeger, School of Life Sciences, University of Nevada, Las Vegas
- Meeting Committee:** Jef Jaeger¹ and Kevin Guadalupe²
¹School of Life Sciences, University of Nevada, Las Vegas
²Nevada Department of Wildlife
- Registration Support:** Amphibian and Reptile Conservancy

Wednesday, January 8, 2014

- 6:00-9:00 pm Informal, non-hosted meet and greet: Stagecoach Hotel and Casino, 900 Highway 95 North, Beatty NV. Food from Denny's can be ordered at the bar.

Thursday, January 9, 2014

- 7:45-8:30 am **Registration and Refreshments**
- 8:30-8:45 am **Introduction and Announcements.** Dave Bradford¹ and Jef Jaeger².
¹Las Vegas, NV; ²School of Life Sciences University of Nevada, Las Vegas.

INVITED PRESENTATION

- 8:45-9:15 am **Community Perspectives on Amargosa Toad Conservation and Habitat Restoration.** David Spicer and Brad Hunt. STORM-OV (Saving Toads through Off-Road Racing, Ranching and Mining in the Oasis Valley), Beatty, NV.

Session 1

Moderator: Dave Bradford

- 9:15-9:40 am **Evidence for Contemporary Evolution in Tadpoles to Optimize Behavioral Response to Introduced Fish.** Rosemary Hartman^{1*} and Sharon Lawler². ¹Graduate Group in Ecology, University of California, Davis; ²Department of Entomology, University of California, Davis. (25 min)
- 9:40-10:05 am **Special Status Amphibians in California's State Vehicular Recreation Areas.** Sarah J. Kupferberg. Questa Engineering Corp., Berkeley, CA. (25 min)

- 10:05-10:40 am **Break** (35 min)
- 10:40-11:05 am **Calibrating Indices of Relative Abundance to Estimate Population Size of the Relict Leopard Frog.** Rebeca Rivera* and Jef R. Jaeger. School of Life Sciences, University of Nevada-Las Vegas, Las Vegas, NV. (25 min)
- 11:05-11:30 am **Acoustic Monitoring of Breeding Amphibians at Yosemite National Park and Point Reyes National Seashore.** Patrick M. Kleeman¹, Gary M. Fellers¹, and Brian J. Halstead². ¹U.S. Geological Survey, Western Ecological Research Center, Point Reyes Field Station, Point Reyes, CA; ²U.S. Geological Survey, Western Ecological Research Center, Dixon Field Station, Dixon, CA. (25 min)
- 11:30-11:55 am **Recovering Mountain Yellow-legged Frog Populations in the Sierra Nevada: What Works and What Doesn't?** Roland A. Knapp. University of California Sierra Nevada Aquatic Research Laboratory, Mammoth Lakes, CA. (25 min)
- 11:55-1:25 pm **Lunch** (90 min)

Session 2

Moderator: Kevin Guadalupe, Nevada Department of Wildlife, Las Vegas, NV

- 1:25-1:50 pm **Status, Management and Recovery of *Rana sierrae* and *R. muscosa* in the Sierra Nevada – an Update on the CDFW High Mountain Lakes Project.** Sarah Mussulman. California Department of Fish and Wildlife, Rancho Cordova, CA. (25 min)
- 1:50-2:15 pm **Highway One Revisited: Twenty Years of Road Surveys for California Red-legged Frogs in Coastal Santa Cruz and San Mateo Counties.** Michael F. Westphal^{1*}, Richard B. Seymour², Diane Kodama³, and H. Bradley Shaffer⁴. ¹U.S. Bureau of Land Management, Hollister Field Office, Hollister, CA; ²Seymour & Assoc., Sierra Madre, CA; ³U.S. Fish and Wildlife Service, Don Edwards National Wildlife Refuge, Newark, CA; ⁴Department of Ecology and Evolutionary Biology, UCLA, Los Angeles, CA. (25 min)
- 2:15-2:40 pm **Infection Dynamics in an Endangered Relict Population of Cascades Frogs: Impacts of Life History, Microhabitat Use, and Climate on the Prevalence of *Batrachochytrium dendrobatidis*.** Karen Pope^{1*}, Jonah Piovita-Scott², Monty Larson¹, Janet Foley². ¹Redwood Sciences Laboratory, Pacific Southwest Research Station, United States Forest Service, Arcata, CA; ²Department of Veterinary Medicine and Epidemiology, University of California, Davis, CA. (25 min)
- 2:40-3:05 pm **How the Partners for Fish and Wildlife Program Can Assist with Amphibian Conservation.** Christiana Manville. U.S. Fish and Wildlife Service, Las Vegas, NV. (25 min)
- 3:05-3:35 pm **Break** (30 min)

- 3:35-4:00 pm **Hikers, Bikers, Horses, Dogs and Frogs: Embracing Public Use and Managing for Foothill Yellow-legged Frog (*Rana boylei*) Populations within the Mount Tamalpais Watershed of Marin County, California.** Karla Marlow*, Kevin Wiseman, Joe Drennan, and Ron Jackman. Garcia and Associates (GANDA), San Francisco, CA. (25 min)
- 4:00-4:25 pm **Using Environmental DNA to Detect Aquatic Species: Case Study of a Cryptic Amphibian.** Scott M. Blankenship^{1,2*}, Gregg Schumer^{1,2}, and Lisa A. Hallock³. ¹Cramer Fish Sciences, GENIDAQS Division, West Sacramento, CA; ²College of Agriculture and Environmental Sciences, University of California, Davis; ³Washington Department of Fish and Wildlife, Olympia, WA. (25 min)
- 4:25-4:50 pm ***Rana muscosa* Reintroduction Efforts in Southern California.** Frank Santana. San Diego Zoo Institute for Conservation Research, Escondido, CA. (25 min)
- 4:50-5:00 pm **Announcements**

BANQUET
Community Center, Beatty, NV

- 6:00-6:30 pm **Guests Arrive**
- 7:00 pm **Dinner**

INVITED PRESENTATION

Reinvent Yourself Often... And Follow Your Passions!

Michael J. Sredl, Ranid Frogs Projects Coordinator
Arizona Game and Fish Department, Phoenix, AZ

Friday, January 10, 2014

- 7:45-8:30 am **Registration and Refreshments**
- 8:30-8:35 am **Announcements.** David Bradford

Session 3

Moderator: Roland Knapp, UC Sierra Nevada Aquatic Research Laboratory, Mammoth Lakes, CA

- 8:35-9:00 am **Persistence of California Red-legged Frogs in Central California Despite Evidence of Long-term *Batrachochytrium dendrobatidis* Infection and the Presence of an Invasive Congener.** John P. Labonte^{1,2*}, Andrea J. Adams¹, and Morgan L Ball². ¹Department of Ecology, Evolution, & Marine Biology, University of California, Santa Barbara, CA; ²ManTech SRS Technologies, Inc., Lompoc, CA. (25 min)

- 9:00-9:25 am **Historic Prevalence of *Batrachochytrium dendrobatidis* in the Sierra Nevada of California.** Samuel V.G. McNally*, and Vance T. Vredenburg. Department of Biology, San Francisco State University, San Francisco, CA. (25 min)
- 9:25-9:50 am **Amargosa Toad (*Anaxyrus nelsoni*) Survey Results and Conservation Activities in the Oasis Valley, Nye County, Nevada.** Kevin D. Guadalupe. Nevada Department of Wildlife, Las Vegas, NV. (25 min)
- 9:50-10:05 am **First Report of Infections by the Amphibian Chytrid Fungus *Batrachochytrium dendrobatidis* in Wild Populations of the Amargosa Toad, *Anaxyrus nelsoni*.** Matthew J. Forrest^{1*}, Rebeca Rivera², and Jef R. Jaeger². ¹Scripps Institution of Oceanography, La Jolla, CA; ²School of Life Sciences, University of Nevada, Las Vegas, NV. (15 min)
- 10:05-10:35 am **Break** (30 min)
- 10:35-11:00 am **Status of the Mountain Yellow-legged Frog Complex in Sequoia and Kings Canyon National Parks.** Daniel M. Boiano* and Isaac C. Chellman, Sequoia-Kings Canyon National Parks, Three Rivers, CA. (25 min)

INVITED PRESENTATION

- 11:00-11:30 am **The Ash Meadows Fish Conservation Facility.** Darrick Weissenfluh. Ash Meadows Fish Conservation Facility, Amargosa Valley, NV. (30 min)
- 11:30-11:40 pm **Announcements, Discussion of Future Meeting Venues, and Closing Remarks.** Dave Bradford
- 11:40-1:10 pm **Lunch** (90 min)
- 1:10 pm **Field Trip: Habitat Restoration Sites for the Amargosa Toad.** Sign-up and details will be provided at meeting.

Saturday, January 11, 2014

- 8:00~1:30 pm **Field Trip: Devil's Hole, Ash Meadows National Wildlife Refuge, and Ash Meadows Fish Conservation Facility.** Sign-up and details will be provided at meeting, but you will need to bring your own food and drink.

* Indicates presenter in multi-authored talks