

**California-Nevada Amphibian Populations Task Force
January 18-20, 2007**

**Tam Alumni Center
University of Nevada, Las Vegas
Las Vegas, NV**

FINAL AGENDA

- Chair:** David Bradford, US Environmental Protection Agency, Las Vegas
- Local Committee:** Jef Jaeger, Public Lands Institute & School of Life Sciences, University of Nevada, Las Vegas
Jon Sjoberg, Nevada Department of Wildlife, Las Vegas, NV
- Meeting Supporters:** Nevada Department of Wildlife; Public Lands Institute, University of Nevada, Las Vegas; School of Life Sciences, University of Nevada, Las Vegas

Wednesday, January 17, 2007

- 6:30-9:30 pm **Early Registration and No-host Bar.** At Trent Lounge within Tam Alumni Center, UNLV. Conversations will be continued at Crown & Anchor Pub (1350 E. Tropicana Ave., just east of Maryland Parkway).

Thursday, January 18, 2007

- 8:00-8:40 am **Registration and Coffee**
- 8:40-8:50 am **Introduction and Announcements.** David Bradford, US Environmental Protection Agency, Landscape Ecology Branch, Las Vegas, NV
- Session 1** Moderator: David Bradford
- 8:50-9:10 am **Examination of Risk Factors Associated with the Disappearance of Arizona Native Ranid Frogs (Family Ranidae).** Carmel L. Witte^{1,2}, Michael J. Sredl^{3*}, Andrew S. Kane⁴, and Laura L. Hungerford⁵. ¹University of Maryland, College Park, MD; ²Zoological Society of San Diego, San Diego, CA; ³Arizona Game and Fish Department, Phoenix, AZ; ⁴University of Maryland, College Park, MD; ⁵University of Maryland, Baltimore, MD. (20 min)
- 9:10-9:30 am **Effects of Pulsed Flows on the Foothill Yellow-Legged Frog (*Rana boylei*).** Sarah Kupferberg^{1*}, Amy Lind², and Sarah Yarnell³. ¹Questa Engineering Corp., Point Richmond, CA; ²USFS, Sierra Nevada Research Center, Davis, CA; ³Geology Department, University of California, Davis, CA. (20 min)
- 9:30-9:50 am **2006 Year In Review: Legal, Policy, and Administrative Actions Affecting Western Amphibians.** Deanna Spooner, Pacific Rivers Council, Eugene, OR (20 min)

- 9:50-10:05 am **Experimental Evidence that Amphibian Ranaviruses are Multi-host Pathogens.** Danna M. Schock^{1*}, Trent K. Bollinger², V. Gregory Chinchar³, James K. Jancovich¹, and James P. Collins¹. ¹School of Life Sciences, Arizona State University, Tempe, AZ; ²Canadian Cooperative Wildlife Health Centre, Department of Veterinary Pathology, Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, SK; ³Department of Microbiology, University of Mississippi Medical Center, Jackson, MS. (15 min)
- 10:05-10:50 am **Break**
- Session 2** Moderator: Jon Sjoberg, Nevada Department of Wildlife, Las Vegas, NV
- 10:50-11:10 am **Conservation Genetics of the Yosemite Toad, *Bufo canorus*.** Molly R. Stephens*, and Bernie P. May. Genomic Variation Laboratory, University of California, Davis, CA. (20 min)
- 11:10-11:30 am **Movement Patterns of the California Red-legged Frog (*Rana aurora draytonii*) in an Inland California Environment.** Trish Tatarian, Wildlife Research Associates, Santa Rosa, CA. (20 min)
- 11:30-11:50 am **Amphibian (and Amphibious Reptile) Research in Northwest California: Using Science to Affect Changes in Amphibian Declines.** Hartwell H. Welsh, Jr., Garth R. Hodgson, Karen L. Pope*, and Don T. Ashton. USDA Forest Service, Pacific Southwest Research Station, Redwood Sciences Laboratory, Arcata, CA. (20 min)
- 11:50-1:20 pm **Lunch**
- Session 3** Moderator: Gary Fellers, USGS Western Ecological Research Center, Point Reyes, CA
- 1:20-1:40 pm **Amphibian Pathogen Movement Through the Bait Trade in North America.** Angela M. Picco* and James P. Collins. School of Life Sciences, Arizona State University, Tempe, AZ. (20 min)
- 1:40-2:00 pm **Repatriation of the Tarahumara frog (*Rana tarahumarae*) to Arizona: 1992-2006.** Abigail D. King^{1*}, Michael J. Sredl¹, James C. Rorabaugh², Stephen F. Hale³, and Craig Ivanyi⁴. ¹Arizona Game and Fish Department, Phoenix, AZ; ²U.S. Fish and Wildlife Service, Phoenix, AZ; ³EcoPlan Assoc. Inc., Tucson, AZ; ⁴Arizona-Sonora Desert Museum, Tucson, AZ. (20 min)
- 2:00-2:20 pm **PARC and Habitat Management Guidelines for Amphibians and Reptiles.** Ernesto Garcia. Partners in Amphibian and Reptile Conservation, US Fish and Wildlife Service, Weaverville, CA. (20 min)
- 2:20-2:35 pm **Update on Recent DAPTF-Related Activities in the Sacramento Fish and Wildlife Service Office.** Vincent Griego, Cathy Johnson, Karen Leyse, and Pete Trenham*. US Fish and Wildlife Service, Sacramento Fish and Wildlife Office, Sacramento, CA. (15 min)
- 2:35-3:05 pm **Break**

Session 4

Moderator: Dave Bradford, US Environmental Protection Agency, Las Vegas, NV

3:05-3:25 pm

Population Structure of the Red-spotted Toad, *Bufo punctatus*, in a Naturally Fragmented Desert Landscape. Jef R. Jaeger^{1,2*}, David F. Bradford³, Garth M. Spellman⁴, and Brett R. Riddle¹. ¹School of Life Sciences, University of Nevada, Las Vegas; ²Currently also with the Public Lands Institute, University of Nevada, Las Vegas; ³U.S. Environmental Protection Agency, National Exposure Research Laboratory, Landscape Ecology Branch, Las Vegas, NV; ⁴Center for the Conservation of Biological Resources/West Core, Black Hills State University, Spearfish, SD. (20 min)

3:25-3:45 pm

Amargosa Toad: Status Update and Habitat Restoration Success Story. Brian Hobbs, Nevada Department of Wildlife, Las Vegas, NV. (20 min)

3:45-4:00 pm

Status of the Columbia Spotted Frog (*Rana luteiventris*) Toiyabe Sub-population; an Update on Three Years of Conservation Agreement and Strategy Implementation. Jon C. Sjoberg^{1*}, Chad Mellison², James Harvey³, Jennifer Newmark⁴, James Marble⁵, and Kent Hatch⁶. ¹Nevada Department of Wildlife, Las Vegas, NV; ²US Fish and Wildlife Service, Reno, NV; ³US Forest Service, Humboldt-Toiyabe National Forest, Reno, NV; ⁴Nevada natural Heritage Program, Carson City, NV; ⁵Nye County Department of Natural Resources, Tonopah, NV; ⁶Brigham Young University, Provo, UT. (15 min)

4:00-4:50 pm

Future of the California-Nevada Amphibian Population Task Force. Group Discussion. (50 min)

Posters

All Day,
Thurs-Fri

Balancing Ranids and Recreation: Forest Service Efforts to Protect Mountain Yellow-Legged Frogs and Quality Recreation Opportunities. Gar Abbas, Anne Poopatanapong, and Marc Stamer. USDA Forest Service, San Bernardino National Forest, San Bernardino, CA.

Banquet

At Tam Alumni Center, UNLV

6:30 pm

Doors Open, No-host Bar

7:00 pm

Buffet Dinner

8:00 pm

Banquet Speaker: Michael Lannoo, Indiana University School of Medicine, Terre Haute, Indiana. Mike will speak on “Bearing Witness: An Update on the Malformed Frog Investigation.”

Friday, January 19, 2007

- 8:00-8:40 am **Registration and Coffee.**
- 8:40-8:45 am **Announcements.** David Bradford, US EPA, Las Vegas, NV.
- Session 5** Moderator: Lara Rachowicz, Yosemite National Park, Wildlife Management Branch, Yosemite, CA
- 8:45-9:05 am **Long-Term Monitoring for the Yosemite Toad (*Bufo canorus*) and Mountain Yellow-Legged Frog (*Rana muscosa*): The Sierra Nevada Amphibian Monitoring Program, an update.** Cathy Brown, USDA Forest Service, Stanislaus National Forest, PSW Research Station, Berkeley, CA. (20 min)
- 9:05-9:20 am **Opening the Toolbox: Using Candidate Conservation Agreements and Safe Harbor Agreements to Implement Recovery.** Valerie L. Boyarski* and Michael J. Sredl. Arizona Game and Fish Department, Phoenix, AZ. (15 min)
- 9:20-9:40 am **How Boreal Toad Conservation in Colorado is Saving the World.** Tina Jackson^{1*}, and Doreen Sumerlin². ¹Colorado Division of Wildlife, Colorado Springs, CO; ²Arapaho National Forest, Granby, CO. (20 min)
- 9:40-10:00 am **Columbia Spotted Frog Monitoring, NE Nevada.** Maija Meneks, Humboldt-Toiyabe National Forest, Mountain City Ranger District, NV. (20 min)
- 10:00-10:35 am **Break**
- Session 6** Moderator: Pete Trenham, US Fish and Wildlife Service, Sacramento, CA
- 10:35-10:50 am **Thermal Sensitivity of Growth, Development and Oxygen Consumption of the Relict Leopard Frog (*Rana onca*).** Jeffrey Goldstein^{1*}, Karin Hoff² and Stanley Hillyard³. ¹School of Life Sciences, University of Nevada, Las Vegas; Dept. of Biology, University of Nevada, Reno; ³University of Nevada School of Dental Medicine, Las Vegas. (15 min)
- 10:50-11:10 am **Possible Factors in the Decline of California Amphibians: Contaminants and Disease.** Gary Fellers^{1*}, Patrick Kleeman¹, Donald Sparling², and Laura McConnell³. ¹Western Ecological Research Center, USGS, Point Reyes National Seashore, Point Reyes, CA; ²Cooperative Wildlife Research Laboratory, Department of Zoology and Center for Ecology, Southern Illinois University, Carbondale, IL; ³U.S. Department of Agriculture, Agricultural Research Service, Environmental Quality Laboratory, Beltsville, Maryland. (20 min)
- 11:10-11:25 am **Investigating Chytrid Fungus in and around Pinnacles National Monument.** Paul Johnson* and Robert Saulino. National Park Service, Pinnacles National Monument, CA. (15 min)
- 11:25-11:40 am **Chytrid Distribution in Foothill Yellow-legged Frogs and Pacific Tree Frogs in the Diablo Mountains and San Joaquin Valley Foothills of Central Coastal California.** Jason Lowe, US Bureau of Land Management, Hollister, CA. (15 min)

- 11:40-12:00 pm **Temporal Patterns of Airborne Pesticides in Habitat of the Mountain Yellow-legged Frog in the Southern Sierra Nevada.** David Bradford, Edward Heithmar, Nita Tallent-Halsell, Georges-Marie Momplaisir, Charlita Rosal, Lee Riddick, and Katrina Varner. U.S. Environmental Protection Agency, Environmental Sciences Division, Las Vegas, NV. (20 min)
- 12:00-1:20 pm **Lunch**
- Session 7** Moderator: Sarah Kupferberg, Questa Engineering Corp., Point Richmond, CA
- 1:20-1:35 pm **Ecological Restoration of High Mountain Lakes in Sequoia and Kings Canyon National Parks, California.** Danny Boiano, Sequoia and Kings Canyon National Parks, Three Rivers, CA. (15 min)
- 1:35-1:55 pm **Direct and Indirect Effects of Introduced Trout on Cascades Frogs in the Klamath Mountains of Northern California.** Karen Pope^{1,2*}, Justin Garwood^{1,3}, Sharon Lawler², and Hartwell Welsh Jr.¹. ¹USDA Forest Service, Pacific Southwest Research Station, Redwood Sciences Laboratory, Arcata, CA; ²University of California-Davis, Ecology Group, Davis, CA; ³Department of Wildlife Management, Humboldt State University, Arcata CA. (20 min)
- 1:55-2:10 pm **Status and Update on the Southern California Mountain Yellow-Legged Frog (*Rana muscosa*), Including Information Regarding the Captive Breeding Program.** Adam R. Backlin^{1*}, Robert N. Fisher², and Cindy J. Hitchcock¹. ¹U.S. Geological Survey, Irvine, CA; ²U.S. Geological Survey, San Diego, CA. (15 min.)
- 2:10-2:25 pm **Gentry Creek Management Area: Linking Local Conservation to Recovery.** Suzanne R. Goforth^{1*}, Michael J. Sredl¹, E. H. Duke Klein², William P. Burger¹, and Jeff Servoss³. ¹Arizona Game and Fish Department, Phoenix, AZ; ²Tonto National Forest, Payson-Pleasant Valley Ranger Districts, Payson, AZ; ³U.S. Fish and Wildlife Service, Phoenix, AZ. (15 min)
- 2:25-2:45 pm **Yosemite Mountain Yellow-legged Frog Restoration: Proceeding Carefully with Data Gaps and Expert Consultation.** Steve Thompson*, Lara Rachowicz, and Jeff Maurer. Yosemite National Park, Wildlife Management Branch, Yosemite, CA. (20 min)
- 2:45-3:15 pm **Break**
- Session 8** Moderator: Jamie Bettaso, US Fish and Wildlife Service, Arcata, CA
- 3:15-3:30 pm **Using Chin and Flank Photographs as an Identification Tool for Tracking Foothill Yellow-legged Frog Movement, Breeding Behavior, Longevity and Breeding Population Size in the North Fork Feather River.** Karla Marlow*, Joe Drennan, Ron Jackman, and Kevin Wiseman. Garcia and Associates (GANDA), San Francisco, CA. (15 min)

- 3:30-3:50 pm **Ten Years of Population Fluctuations in a Lowland Leopard Frog Population: Implications for Conservation.** Thomas R. Jones, Arizona Game and Fish Department, Nongame Branch, Phoenix, AZ. (20 min)
- 3:50-4:05 pm **Phylogeography of *Rana yavapaiensis* and *Rana onca*: Preliminary Findings with Conservation Implications.** Viktoria Hemmings^{1*}, Jef R. Jaeger¹, Michael J. Sredl², Martin A. Schlaepfer³, Randy D. Jennings⁴, Charles W. Painter⁵, David F. Bradford⁶, and Brett R. Riddle¹. ¹ School of Life Sciences, University of Nevada, Las Vegas, NV; Arizona Game and Fish Department, Nongame Branch, Phoenix, AZ; ³Section of Integrative Biology, University of Texas, Austin, TX; ⁴Department of Natural Sciences, Western New Mexico University, Silver City, NM; ⁵Endangered Species Program, New Mexico Department of Game and Fish, Santa Fe, NM; ⁶US Environmental Protection Agency, Landscape Ecology Branch, Las Vegas, NV. (15 min)
- 4:05-4:25 pm **Arroyo Toads (*Bufo californicus*) in Southern California; Findings and Trends from 3 to 10 years of Population Monitoring.** Cheryl S. Brehme, Sara L. Schuster, Carlton J. Rochester, Stacie A. Hathaway, and Robert N. Fisher*, US Geological Survey, Biological Resources Discipline, San Diego, CA. (20 min)
- 4:25-4:45 pm **Monitoring the Presence and Abundance of Aquatic Breeding Amphibians as Indicators of Ecological Change.** Gary Busteed*, Seth P. D. Riley, and Lane Cameron. National Park Service, Santa Monica Mountains National Recreation Area, Thousand Oaks, CA. (20 min)
- 4:45-4:50 pm **Closing Comments.** Dave Bradford.

Saturday, January 20, 2007

- 7:30-5:00 pm?? **Field Trip to Black Canyon.** Details and meeting location to be announced; unforeseen construction events near Hoover Dam have caused uncertainty regarding original plans.

* Indicates speaker in multi-authored talk.