



## Declining Amphibian Populations Task Force

# California/Nevada Working Group

Home

About Us

News & Activities

Species Tour

Threats &  
Conservation

Status

Field Methods

Educational Info

Links

### Workshop on Declining Amphibian Populations of California and Nevada: Causes and Solutions

#### 2001 Annual Meeting of the Western Section of The Wildlife Society

February 22, 2001

Sacramento, CA

David Bradford, U.S. Environmental Protection Agency, Las  
Vegas, NV

8:00 - 8:10 am? **Introduction.**? David F. Bradford

#### **DISEASE SESSION**

**Moderator:**??Gary M. Fellers, U.S. Geological Survey, Point  
Reyes, CA

8:10 - 8:20 am? **Introduction.**? Gary M. Fellers

8:20 - 8:50 am? **Viral and Fungal Pathogens in Tiger  
Salamanders in the Western United States and Canada.**?

James Collins<sup>1</sup>, Elizabeth Davidson<sup>1</sup>, Joyce Longcore<sup>2</sup>, Allan  
Pessier<sup>3</sup>, Matthew Parris<sup>4</sup>,? James Jancovich<sup>1</sup>, Jesse  
Brunner<sup>1</sup>, Danna Schock<sup>1</sup>, and Andrew Storfer<sup>5</sup>.? <sup>1</sup>Biology,  
Arizona State Univ., Tempe, AZ; <sup>2</sup>Biological Sciences, Univ. of  
Maine, Orono, ME; <sup>3</sup>Univ. of Illinois Zoological Pathology  
Program, Loyola Univ. Medical Center, Maywood, IL; <sup>4</sup>Biology,  
Univ. of Memphis, Memphis, TN; <sup>5</sup> Wildlife Ecology and  
Conservation, Univ. of Florida, Gainesville, FL.

8:50 - 9:00 am **Recent Observations of Chytridiomycosis  
among Amphibians in California.**? Gary Fellers, Western  
Ecology Research Center, USGS, Point Reyes, CA.

9:00 - 9:10 am? **Recent Observations of Chytridiomycosis in**

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## **LISTING OF THREATENED AND ENDANGERED SPECIES SESSION**

**Moderator:** Steve Morey, U.S. Fish and Wildlife Service, Portland, OR.

11:10 - 11:30 am? **Listing Threatened and Endangered Amphibians: California and Nevada Update.**? Steve Morey, U.S. Fish and Wildlife Service, Portland, OR.

11:30 - 11:50 am? **The Santa Barbara Tiger Salamander Emergency Listing: The Interplay of Systematics, Genetics, and Land Use Practices.**? H. Bradley Shaffer, Section of Evolution and Ecology, University of California, Davis, CA.

11:50 - 12:10 pm? **The Southern California Distinct Population Segment of the Mountain Yellow-legged Frog: Evaluating Extinction Threats and Developing Recovery Strategies.**? Glen Knowles, U.S. Fish and Wildlife Service, Carlsbad, CA.

12:10 - 1:40 pm?? **Lunch**

## **EXOTIC SPECIES SESSION**

**Moderator:** Roland Knapp, University of California, Mammoth Lakes, CA.

1:40 - 2:00 pm? **Amphibian Assemblages and Introduced fishes in the Trinity Alps Wilderness of the Klamath Mountains of Northwestern California.**? Hartwell Welsh, Jr., and Daniel Boiano.? USDA, Forest Service, Redwood Sciences Laboratory, Arcata, CA.

2:00 - 2:20 pm? **Removal of Nonnative Trout from Sierra Nevada Lakes as a Means to Recover Mountain Yellow-legged Frog Populations.**? Roland Knapp<sup>1</sup>, Vance Vredenburg<sup>2</sup>, and Curtis Milliron<sup>3</sup>.? <sup>1</sup>Sierra Nevada Aquatic Research Laboratory, University of California, Mammoth Lakes, CA;? <sup>2</sup>Dept. of Integrative Biology and Museum of Vertebrate Zoology, University of California, Berkeley, CA; <sup>3</sup>California Dept. of Fish and Game, Bishop, CA.

2:20 - 2:40 pm? **Update on the Efforts to Determine the Status of Native Amphibian Fauna in Southern California and the Development of Invasive Aquatic Species Eradication Techniques.**? Edward Ervin and Robert Fisher.? US Geological Survey, Department of Biology, San Diego State

University, San Diego, CA.

2:40 - 3:00 pm? **Genetic Pollution, California Tiger Salamanders, and Endangered Species Remediation.**? H. Bradley Shaffer and Benjamin Fitzpatrick, Section of Evolution & Ecology, University of California, Davis, CA.?

3:00 - 3:30 pm? **Break**

### **FOREST MANAGEMENT SESSION**

**Moderator:** Hartwell H. Welsh, Jr., U.S. Forest Service, Arcata, CA.

3:30 - 3:50 pm? **Comparison of Abundance, Assemblage, and Activity of Nocturnal Amphibians in Old Growth and Second Growth Redwood Forest Creeks in Humboldt County, California.** ?Don Ashton<sup>1</sup>, Hartwell Welsh, Jr.<sup>2</sup>, and Sharyn Marks<sup>1</sup>.? <sup>1</sup>Dept. of Biological Sciences, Humboldt State University, Arcata, CA; <sup>2</sup>USDA, Forest Service, Redwood Sciences Laboratory, Arcata, CA.

3:50 - 4:10 pm? **Effects of Silvicultural Edges on Terrestrial Amphibian Abundance and Microclimate in Northwestern California.**? Nancy Karraker<sup>1</sup> and Hartwell Welsh, Jr.<sup>2</sup>.? <sup>1</sup>Humboldt State University, Arcata, CA;? <sup>2</sup>USDA Forest Service, Redwood Sciences Laboratory, Arcata, CA.

4:10 - 4:30 pm? **Habitat Alterations and Amphibian Populations: The Role of Forestry in the Decline of Amphibians in Northern California.**? Hartwell Welsh, Jr., and Lisa Ollivier, USDA Forest Service, Pacific Redwood Sciences Laboratory, Arcata, CA.

4:30 - 4:50 pm? **Forest Management and Conservation in the Sierra Nevada: Implications for Amphibians.**? Amy Lind.? USDA Forest Service, Pacific Southwest Research Station, Sierra Nevada Framework Project, Sacramento, CA.

4:50 - 5:25 pm **Briefings**

5:25 -5:30 pm **Concluding Remarks.**? David Bradford????????????????????????????????

### **POSTER SESSION**

**The Status of the Northern Leopard Frog (*Rana pipiens*) in Nevada.**? Cynthia Hitchcock, Dept. of Biology, University of