

**Annual Meeting**  
**SOUTHERN CALIFORNIA ACADEMY OF SCIENCES**  
(<http://scas.jsd.claremont.edu/>)

**May 12-13, 2006 at Pepperdine University**

**Symposium:**

**SOUTHERN CALIFORNIA COASTAL STREAM VERTEBRATES:**  
**BIOLOGY AND CONSERVATION**

(organizer-Jonathan N. Baskin [jnbaskin@csupomona.edu](mailto:jnbaskin@csupomona.edu))

**Friday Afternoon May 12**

**Session Chair – Jonathan N. Baskin, Cal Poly Pomona University**

**Introduction – Jonathan N. Baskin, Cal Poly Pomona University**

**ROLE OF WATERSHED-SCALE PHYSICAL PROCESSES IN SHAPING  
HABITAT REQUIREMENTS OF RIPARIAN DEPENDENT FAUNA**

**E.D. Stein**, Southern California Coastal Water Research Project, 7171 Fenwick Lane,  
Westminster, CA, 92683

**STATUS AND DISTRIBUTION OF THE INLAND FISHES OF COASTAL  
SOUTHERN CALIFORNIA**

**Camm C. Swift**, ENTRIX, Inc., 2140 Eastman Avenue, Suite 200, Ventura, CA 93003.  
(626) 447-5846; **Jonathan N. Baskin**, Biological Sciences Department, Cal Poly Pomona  
University, 3801 W. Temple Ave., CA 91768, 909 869-4045 and San Marino  
Environmental Associates, 560 South Greenwood Ave. San Marino, CA 91108; **Robert  
Fisher**, USGS, San Diego Field Station, U. S. Geological Survey, 4165 Spruance Road,  
Suite 200, San Diego, CA 92101-0812, 619-225-6422; **Thomas Haglund**, Biological  
Sciences Department, Cal Poly Pomona University, 3801 W. Temple Ave., CA 91768,  
818-906-3440 and San Marino Environmental Associates, 560 South Greenwood Ave.  
San Marino, CA 91108.

**STATUS, DISTRIBUTION, HABITAT AND POPULATION SIZE-STRUCTURE  
ESTIMATES FOR THE THREATENED SANTA ANA SUCKER (*CATOSTOMUS  
SANTAANAE*)**

**J. N. Baskin**, S. H. Bryant, T. R. Haglund, Biological Sciences Department, Cal Poly  
Pomona University, 3801 W. Temple Ave. Pomona, CA 91768, and San Marino  
Environmental Associates, 560 South Greenwood Ave. San Marino, CA 91108; **Camm  
C. Swift**, ENTRIX, Inc., 2140 Eastman Avenue, Suite 200, Ventura, CA 93003.

**STATUS OF THE SANTA ANA SUCKER (*CATOSTOMUS SANTAANAE*) IN  
SOUTHERN CALIFORNIA: PATTERNS AND TRENDS IN CONDITION INDEX  
AND HABITAT PREFERENCE THROUGHOUT ITS RANGE.**

J.N. Baskin, S. H. Bryant, T. R. Haglund, Biological Sciences Department, Cal Poly Pomona University, 3801 W. Temple Ave. Pomona, CA 91768, and San Marino Environmental Associates, 560 South Greenwood Ave. San Marino, CA 91108.

**RARE OCCURRENCES OF A COMMON SPECIES: SPECKLED DACE AND THEIR STRUGGLE FOR SURVIVAL IN SOUTHERN CALIFORNIA.**

G. Abbas, San Bernardino National Forest, 1824 S Commercenter Cir, San Bernardino, CA 92408.

**TIDEWATER GOBY SEASONAL HABITAT PREFERENCES IN A NORTHERN CALIFORNIA LAGOON, WITH REFERENCE TO ARTIFICIAL BREACHING.**

C.A. Page and B. R. Norman, Aquatic Resource Specialists, Environmental Consultants, 12580 HWY 101, Smith River CA, 95567.

**IMPACTS OF EXOTIC SPECIES ON NATIVE AQUATIC SPECIES DISTRIBUTION IN TWO SOUTHERN CALIFORNIA RIVER SYSTEMS.**

T P Keegan. ECORP Consulting, Inc., 2260 Douglas Blvd., Suite 160, Roseville, CA 95661.

**EXTENT OF FISHING AND FISH CONSUMPTION IN VENTURA AND LOS ANGELES COUNTY WATERSHEDS IN 2005**

M. J. Allen, E. T. Jarvis, V. Raco-Rands, and G. Lyons. Southern California Coastal Water Research Project, Westminster, CA 92683;

**THE CALIFORNIA NEWT: NATURAL HISTORY AND CHEMICALLY-MEDIATED INTERACTIONS**

R.P. Ferrer and R.K. Zimmer. Zimmer Laboratory, UCLA, Department of Ecology and Evolutionary Biology, Los Angeles, CA 90095.

**SATURDAY MAY 13**

Session Chair – Jim Edmonson, California Trout, Inc.

**LAMPREYS SOUTH OF POINT CONCEPTION AND PERSPECTIVES FROM THE NORTH**

S.B. Reid and D. Goodman. Western Fishes, 2045 East Main, Ashland, OR, 97520; U.S. Fish and Wildlife, 1655 Heindon Road, Arcata, CA, 95521.

**THERMAL ECOLOGY OF STEELHEAD IN A WARM-WATER ENVIRONMENT**

**A. P. Spina**, National Marine Fisheries Service, 501 W. Ocean Blvd., Suite 4200, Long Beach, California 90802

**SOUTHERN CALIFORNIA STEELHEAD: WHERE AND WHAT ARE THEY?**

**Mark H. Capelli**, National Marine Fisheries Service, Protected Resources Division, Santa Barbara, CA

**HABITAT EVALUATION FOR SOUTHERN POPULATIONS OF STEELHEAD TROUT, *ONCORHYNCHUS MYKISS***

**Sabrina L. Drill**, University of California Cooperative Extension, 4800 E. Cesar Chavez Ave., Los Angeles, CA 90022; Mark Abramson, Heal the Bay, 1444 9th Street Santa Monica, CA 90401; Michelle Bates, TetraTech Inc., 4213 State St., Santa Barbara, CA, 93101; Rosi Dagit, RCD of the Santa Monica Mountains, 122 N. Topanga Bl., Topanga, CA, 90290; Jim Edmonson, California Trout, Inc., 5436 Westview Court, Westlake Village, CA 91362; Elise Kelley, UC Santa Barbara, 619 Empire Ave., Ventura, CA 93003; John O'Brien, California Dept. of Fish and Game, 4665 Lampson Ave. C, Los Alamitos, CA 90720; Matt Stoecker, Stoecker Ecological, 135 Campo, Portola Valley, CA 94028; Scott Volan, Cachuma Conservation and Release Board, 3301 Laurel Canyon Rd., Santa Barbara, CA 93105.

**SURVIVAL ON THE EDGE: THE PLIGHT OF THE SAN MATEO CREEK SOUTHERN STEELHEAD**

**T. E. Hovey**, Native Fisheries Monitoring Program, California Department of Fish and Game, Santa Clarita, CA 91390

**FRIDAY AFTERNOON SESSION**

Session Chair – Glenn R. Stewart

**STATUS OF THE THREESPINE STICKLEBACK IN SOUTHERN CALIFORNIA**

**T.R. Haglund** and J.N. Baskin, Biological Sciences Department, Cal Poly Pomona University, 3801 W. Temple Ave. Pomona, CA 91768, and San Marino Environmental Associates, 560 South Greenwood Ave. San Marino, CA 91108.

**UPDATE ON *RANA MUSCOSA* IN SOUTHERN CALIFORNIA**

R. N. Fisher, A. R. Backlin, **C. J. Hitchcock**, and S. A. Hathaway, USGS Western Ecological Research Center, San Diego Field Station, San Diego, CA

**AN UPDATE: ECOLOGY, STATUS, AND CONSERVATION OF THE  
WESTERN SPADEFOOT TOAD, *SPEA HAMMONDII***

**Edward L. Ervin**, Merkel and Associates, 5434 Ruffin Road, San Diego, CA 02123.

**STATUS OF THE CALIFORNIA RED-LEGGED FROG (*RANA DRAYTONII*) IN  
SOUTHERN CALIFORNIA**

**Norman J. Scott**, U.S. Geological Survey-Retired, Creston, California 93432.

**CONSERVATION IMPLICATIONS OF INTRODUCED AMPHIBIAN SPECIES  
IN SOUTHERN CALIFORNIA: INSATIABLE PREDATORS OR PLENTIFUL  
PREY**

**Edward L Ervin**, Merkel & Associates, Inc. 5434 Ruffin Road, San Diego, CA 02123.

**A PLACE-SPECIFIC EDUCATION PROGRAM TO INCREASE AWARENESS  
OF INTRODUCED STREAM PREDATORS AND THEIR ROLE IN NATIVE  
AMPHIBIAN DECLINE.**

**L.H. Jones**, T.S. Watters, S.D. Dudley, G.J. Van Dragt, R.V. Van Dragt, and L.B. Kats.  
Pepperdine University, Natural Science Division, Malibu, CA, 90263.

**CONSERVATION IMPLICATIONS OF INTRODUCED AMPHIBIAN SPECIES  
IN SOUTHERN CALIFORNIA: INSATIABLE PREDATORS OR PLENTIFUL  
PREY**

**Edward L Ervin**, Merkel & Associates, Inc. 5434 Ruffin Road, San Diego, CA 02123.

**GROWTH AND DEMOGRAPHY OF WESTERN POND TURTLES AT  
VANDENBERG AIR FORCE BASE, CALIFORNIA.**

**D. J. Germano**. Department of Biology, California State University, Bakersfield, CA  
93311-1022, and G. B. Rathbun. Department of Ornithology and Mammalogy, California  
Academy of Sciences, Golden Gate Park, San Francisco, c/o P.O. Box 202, Cambria, CA  
93428

**THE GARTER SNAKES OF SOUTHERN CALIFORNIA.**

**G. R. Stewart**. Biological Sciences Department, Cal Poly University Pomona, Pomona,  
CA, 91768.

**GENETIC STRUCTURE IN SOUTHERN CALIFORNIA COASTAL STREAM  
VERTEBRATES: SANTA ANA SPECKLED DACE, THREESPINE  
STICKLEBACK, AND CALIFORNIA TREE FROG**

**A. E. Metcalf**, Dept. of Biology California State University, San Bernardino 92407; and  
I. Phillipsen, Dept. of Zoology, Oregon State University, Corvallis, 97331.

**GROUP/PANEL DISCUSSION AS TIME ALLOWS**

This symposium grew out of discussions in the Southern California Native Freshwater Fauna Working Group. This is an informal group of individual biologists that meets several times per year at Cal Poly University Pomona to discuss issues relating to the freshwater fauna of Southern California. Its goal is to promote the understanding and long term survival of the Southern California freshwater fauna in its natural habitat.