



*Promotes the Conservation, Development and Wise Utilization of the Fisheries
A Publication of the California-Nevada Chapter, American Fisheries Society*

Volume 24 Number 3

Winter 1994

PRESIDENT'S REPORT

Over the past several years we have all attended conferences and workshops aimed at getting us to leave single species management behind and move on to what many consider a higher form of resource management - protection of biodiversity, or multi-species management. To do that we have to consider which tools to abandon and which to embrace. The single species management process is often rife with confrontation and conflict. Should this give way to a kinder, gentler consensus building process? Can consensus ever be reached when groups hold diametrically opposed views? Do all the players win in consensus building? Is it merely a tactic to delay decision making? Will delays result in continuing degradation of natural resources? The Executive Committee hopes that the 1995 Annual Meeting helps sort out some of these issues. Please join us on February 3rd and 4th.

Even though consensus may never be reached on whether or not consensus building works in resource management, I hope that we can use it as a tool to develop a Chapter Agenda for the next year. The 1994 membership counts for AFS show that Cal-Neva is by far the largest chapter. It is safe to say

that of the 458 dues paying members, fewer than 10% are actually active in Chapter decision making and activities other than the annual conference. In addition to the 15 members of the Executive Committee, there are eight committees staffed by fewer than three members each. Generally, the Chair is the only person of his or her respective committee. You can change this in 1995.

It is time for each member to reflect upon the value of AFS membership and to consider what she or he can give back. Of course, the most valuable thing any of us has to give is our time, a precious and often over-committed resource.

The 1995 Annual Business Meeting will be held in Napa at noon on February 3. A box lunch will be provided with the cost of the Annual Conference. I hope a "free lunch" will persuade you to sit in on the meeting. We will be voting on issues that affect you. One discussion item is a proposal to increase Chapter dues from \$5 to \$10 (many Chapters have dues set at either \$7 or \$10). Treasurer Ed Cheslak will present the rationale for this proposed increase. Please be there to vote. This decision should be made by more than a minority of the members. In addition, we will discuss some potential changes to the Chapter Bylaws and discuss our Advocacy Agenda for 1995.

I hope the Business Meeting will be short and animated. You can discover what the Chapter has done for the aquatic resources of California and Nevada over the past year and what plans we have for the next one. This is one of the few chances the Executive Committee has to hear the concerns of the membership.

During the morning session of the Annual Meeting on Saturday, February 4, we will continue to gather membership input. Staff from the AFS home office will facilitate an interactive session to help identify and prioritize Chapter goals for the next few years. We are calling the workshop "Building a Common Agenda for the Future". A small investment of your time can make a big difference to the Chapter and the aquatic resources of California and Nevada. You might even decide that you enjoy participating in a group of such high caliber scientists.

Submitted by Susan Ellis, President
Cal-Neva Chapter

COURSE ANNOUNCEMENT FOR INTERESTED MEMBERS

SEDIMENT QUALITY EVALUATION AND MANAGEMENT - SEDIMENT QUALITY CRITERIA

Objective: To provide an overview of the various approaches that are being used to evaluate the water quality significance of chemical contaminants in aquatic sediments as they may impact aquatic life-related beneficial uses of waterbodies.

Instructor: G. Fred Lee, Ph.D., P.E., D.E.E.

Dates: February 13-14, 1995 Costa Mesa, California
April 19-20, 1995 San Francisco, California

Cost: 30 Day Advance: \$400
Government/Student \$375
Standard: \$500

Organizer: E³, Environmental Education Enterprises

For further information contact: Dr. G. Fred Lee - Phone: (916) 753-9630
Fax: (916) 753-9956

SALMONID RESTORATION FEDERATION

1995 Annual Meeting

February 23-26, 1995. Thirteenth Annual Salmonid Restoration Federation Conference to be held in Santa Rosa, California.

Four workshops will be held at the Flamingo Resort Hotel. On Thursday two workshops will be held; (1) the Urban Streams Program - with an emphasis on local urban stream restoration projects, and (2) water rights. On Friday two workshops will be held; (1) an overview of educational programs, and (2) coho salmon - the effects of listing, current status, restoration potential, and species specific restoration techniques.

The conference, on Saturday and Sunday, will be held at Sonoma State University. Conference topics will include; developing partnerships for the purpose of restoring both watersheds and local communities, the Russian River, cumulative effects monitoring techniques, habitat restoration project design and evaluation, fluvial geomorphology - restoring channel form and function, riparian zone silviculture, and estuary and ocean conditions - their role and influence on salmonid populations.

Contact: Harry Vaughn, Salmonid Restoration Federation
P.O. Box 589, Miranda, California 95553
(707) 943-3233

AWARDS COMMITTEE REPORT FY 1993-1994 AWARDS

The Chapter presented the following awards at its joint annual meeting with the Humboldt Chapter:

Eric Gerstung (Ca. Dept. of Fish & Game; Inland Fish. Div.) was given the Distinguished Professional Achievement Award. He was recognized for his professional advocacy on behalf of California's native salmonids, on- and off-the-job, over the last 33+ years. Mr. Gerstung has been the State's Threatened Trout Coordinator since 1977, and is widely recognized as the Department's expert in this area. He has commented on a prodigious array of land management plans, and testified at numerous State and local hearings on behalf of the Department, Cal-Neva, and the Sierra Club. Mr. Gerstung authored the Fishery Management Plan for Lahontan Cutthroat Trout and the Lower Hat Creek Wild Trout Management Plan, and serves on the Department's suction dredge committee. He is regularly involved in the State's land acquisition process, assisting with or writing proposals for parcels including Hope Valley, Charity Valley, Slinkard Ck., ByDay Ck., W. Walker R., Rubicon R., Green Ck., Pine Ck., Heenan Lk. and Red Lake.

Two persons were presented with the Chapter's Conservation Achievement Award:

Bill Jennings (Committee To Save The Mokelumne River) for his work to protect and restore the Mokelumne R. He has been a constructive and effective participant in negotiations between the E. Bay Municipal Util. Dist. and various State and Federal regulatory agencies on instream flow adjudication and the remediation of heavy metal pollution from the Penn Mine. Mr. Jennings has always attempted to follow the formal process of negotiation and filing complaints, and has only used other legal remedies when the formal process failed to adequately protect the river.

Jim Edmondson (Vice President of Cal-Trout and their Director for Region 5) for his advocacy on behalf of Southern California's fisheries. He has lobbied the Fish and Game Commission for more conservative angling regulations on special streams and lakes, appeared before the State Water Resources Control Board on water rights issues (e.g. Bear Ck. in San Bernardino Co.), and provided comments on numerous State and Federal environmental documents or plans. Mr. Edmondson has served as a court appointed member of the committee that guides the restoration of tributaries in the Mono Basin, and helped established a public-education/interpretive center for the premier trout fishery of Hot Creek (Mono Co.). He has been instrumental in organizing volunteers for many fishery restoration/enhancement/management projects (e.g. at Crowley Lk., Malibu Ck., W. Fork San Gabriel R., Owens R., Hot Ck.), in addition to contributing his own labor.

Each individual received a plaque naming the award that carried our Chapter logo and one of the limited-edition, bronze medallions celebrating the Society's 125th anniversary. No nominations were received for the Award of Excellence or Chapter Award for Special Contributions.

**The American Fisheries Society
Society of American Foresters
Society for Range Management
The Wildlife Society**

Jointly present a symposium on

**FIRE ECOLOGY AND FUELS MANAGEMENT IN
CALIFORNIA'S WILDLANDS**

**Red Lion Hotel, Sacramento, California
April 5-7, 1995**

Program Highlights

Plenary Session I - Fire as an Agent for Change (Session Chair, Robert Martin, University of California, Berkeley, retired)

An Overview of Fire Physics and Fire Behavior
Ecological Relationships of Fire in Wildland Ecosystems
Basics of Fire Suppression and Fuels Management
Social and Economic Considerations of Fire
A Comparison of Fire to Other Disturbance Agents in Wildlands
Poster Session and Social - Fire Physics, Ecology and Management (Chair - Louise Larson, California Fuels Committee)

Plenary Session II - Fire Ecology and Management in California (Session Chair, Sue Husari, Fire Management Staff, USDA Forest Service, San Francisco)

An Overview of Fire Regimes in California
History of Fire Management Policies in the State
The Influence of Fire Management Programs on Vegetation and Fuels Conditions

Panel discussion: Effects of Fire Management Policies on Human and Natural Resources

Effects on Soils and Water Environments
Effects on Fire and Fuels Management Programs
Effects on Wildlife and Wildlife Habitats
Effects on Basin Hydrology and Aquatic Environments
Effects on Production of Commodity Resources
Economic Impacts

Concurrent Sessions - Fire Ecology and Fuels Management in Three Major Bioregional Provinces

Concurrent Session Chairs:

Sierra Nevada Region - Jan Vanwangtendonk, Yosemite National Park
Klamath/North Coast/Bay Area Regions - Jay Perkins, Klamath National Forest
South Coast/Central Coast Regions - Sue Conard, PSW Fire Lab, Riverside

Panel Discussions: Case Studies Related to Fire Ecology and Fuels Management
Poster Session and Social - Fuels Management Techniques and Programs (Chair,
Jeff Millar, California Department of Forestry and Fire Protection, Mariposa)

Panel Discussion: Identifying Desired Future Landscape Conditions
Panel Discussion: Fuels Management Options for the Resource Manager

Panel Discussion: Resource Effects of Fuels Management Options

For more information, contact Kevin Shaffer at (916) 327-0713

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The California-Nevada Chapter is taking applications for two free room nights (double/shared occupancy) for six students at the Annual Meeting in Napa (the nights of the 2nd & 3rd). Students will also receive up to \$60 (\$20/day) to defray the cost of meals, which will be disbursed Saturday, February 4, based on actual attendance. Please phone, FAX, or mail your applications to the location listed below so that they will arrive by the due date.

Awards will be made via a three-stage random drawing. First preference will be given to students who are Cal-Neva and National AFS members, and are presenting a paper at the meeting. It is likely that this will not fill all available slots, so a second drawing will be made from among all other students who apply that are Cal-Neva and National AFS members. If opportunities remain, the final slots will be filled with a drawing from the pool of students who are not members of AFS.

Your chances of being drawn are very good so please make the effort to apply by contacting me with: your name, address, and phone number, membership status, and the name of your school and faculty advisor. Applications for this great financial opportunity will continue to be accepted by the Awards Committee chair through **1/6/95**.

HEY FACULTY MEMBERS: don't any of you 1) belong to Cal-Neva, 2) read the newsletter, and 3) talk to your students? PLEASE pass this information on to them!

Kevan Urquhart, Awards Committee Chairman
994 Graywood Circle, Stockton, CA 95209
Work: (916) 653-2228, FAX: (916) 653-2588

CALL FOR NOMINATIONS AWARDS COMMITTEE

Please forward nominations for the Chapter awards to the committee chair for receipt by 1/6/95. Each year the Chapter attempts to give the following list of awards, but there are often no nominees submitted to the committee. The Chair is then left to generate nominees on his own, and his background and professional contacts restricts the list of potential candidates he can develop. The Chapter is sorely in need of nominees from southern California, Nevada, private employers, Federal agencies other than the USFWS, and marine professions. IT IS UP TO THE MEMBERS TO NOMINATE WORTHY CANDIDATES OR HAVE THEIR ACHIEVEMENTS GO UNRECOGNIZED!!

Chapter Award of Excellence

"The Chapter Award of Excellence recognizes a Chapter and Parent Society member for exemplary depth and breadth of professional achievement in academia, government service, or private practice; combined with significant publications and/or conservation activities, and participation in Chapter activities. They must have achieved significant distinction on multiple fronts (professionally, scientifically, environmentally, and as a supporting Chapter volunteer). Those given this award should have achieved statewide recognition as a major authority or guiding force in California and/or Nevada fisheries management and science."

Chapter Award for Distinguished Professional Achievement

"The Chapter Award for Distinguished Professional Achievement recognizes a long-standing pattern of superior on-the-job accomplishments by a member of the Chapter and Parent Society, which benefitted the fisheries of the two states and/or led to significant advances in fisheries management or science".

Conservation Achievement Award

"The Conservation Achievement Award recognizes **non-member** individuals or groups for outstanding contributions or service to fisheries conservation."

Chapter Award for Special Contributions

"An award presented to Chapter members for those special efforts on behalf of the Chapter which do not meet the criteria for the Chapter Award of Excellence."

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CALIFORNIA-NEVADA CHAPTER

~ ~ ~ ~ ~ 1994-95 Executive Committee ~ ~ ~ ~ ~

Susan Ellis President	2139 Rachel Way Carmichael, CA 95608 916-355-7097 (W) 916-355-7125 (Fax)	Gene Geary, Finance	Pacific Gas & Electric Co. 3440 Crow Canyon Road San Ramon, CA 94583 510-866-5821 (W)
Ed Bianchi President-Elect	Entrix 3416 American River Dr., Ste. A Sacramento, CA 95864 916-923-1097 (W) 916-923-6251 (Fax)	Dennis McEwan Conservation	Calif. Dept. of Fish & Game Inland Fisheries Division 1416 Ninth Street Sacramento, CA 95814 916-653-9442 (W) 916-653-8099 (Fax)
Jennifer Nielsen Past President	84 Corona Road Carmel, CA 93923 408-655-6233 (W) 408-375-0793 (Fax)	Kathy Hieb Continuing Education	Calif. Dept. of Fish & Game 4001 N. Wilson Way Stockton, CA 95205 209-942-6078 (W) 209-946-6355 (Fax)
Lesa Meng Secretary	47 College Park Davis, CA 95616 916-978-4866 (W) 916-978-4619 (Fax)	Robert Reavis Exhibits	Calif. Dept. of Fish & Game Inland Fisheries Division 1416 Ninth Street Sacramento, CA 95814 916-654-6851 (W) 916-653-8256 (Fax)
Ed Cheslak, Treasurer	EA Engineering 3468 Mt. Diablo Blvd. Ste. B100 Lafayette, CA 94549 510-283-7077 (W) 510-283-3894 (Fax)	Lesa Meng Sacramento Sub-unit	47 College Park Davis, CA 95616 916-978-4866 (W) 916-978-4619 (Fax)

COMMITTEES

Kevan Urquhart, Awards	994 Graywood Circle Stockton, CA 95209 916-653-2228 (W) 916-653-2588 (Fax)	Alan Baracco <i>Pisces</i> Editor	Calif. Dept. of Fish & Game 1701 Nimbus Road, Suite B Rancho Cordova, CA 95670 916-355-7098 (W) 916-355-7125 (Fax)
Dave Lentz, Policy & Resolutions	Calif. Dept. of Fish & Game 1701 Nimbus Road, Suite B Rancho Cordova, CA 95670 916-355-0101 (W) 916-355-7125 (Fax)		
Wayne Lifton Bylaws & Nominations	Entrix 590 Ygnacio Valley Rd., Ste. 200 Walnut Creek, CA 94596 510-988-1216 (W) 510-935-5368 (Fax)		
Jean Baldridge, Membership	Trihey & Associates 4180 Treat Blvd., Suite N Concord, CA 94518 510-689-8822 (W) 510-689-8874 (Fax)		



NOTICE TO MEMBERS
Director's Reception for Authors

The Chapter has arranged to sponsor a special reception at the Annual Meeting in Napa for all members of both the Parent Society and Chapter who have published an article in any peer reviewed journal during 1993 or 1994. Mr. Boyd Gibbons, the Director of the Department of Fish and Game, has agreed to attend, and we are in the process of securing the attendance of a cross-representation of the leadership from other agencies and the Fish and Game Commission.

There are two objectives for this reception: 1) to recognize those members who have helped advance the profession of fisheries science through publication of quality research that withstood the test of peer review; and 2) to introduce policy level decision-makers to working-level fisheries/aquatic scientists who have distinguished themselves through the publication of their work in recent years, thereby enhancing the image and standing of our profession with agency leadership and policy makers. The occasion is intended to be semi-formal, but still social, and allow our field scientists and the policy makers to become more directly and personally acquainted. The intent is to develop better rapport and enhanced mutual respect for the important roles that each group plays in protecting and enhancing the State's resources.

Please submit the names of any of your peers who have published during 1993 and 1994 (or your own) to the Awards Committee Chair so that a formal invitation to this event can be sent to them ASAP. The deadline for submissions is January 6, 1995. Phone: (916) 653-2228, Fax: (916) 653-2588.



NAPA VALLEY MARRIOTT
RESERVATION REQUEST
CAL/NEVA CHAPTER AMERICAN FISHERIES SOCIETY CONFERENCE

February 2, 3, & 4, 1995

Rate: \$79.00/Night; Single or Double Occupancy

Name (print): _____ Phone: () _____

Address: _____ City: _____ State: _____ Zip: _____

How many rooms? _____ How many people? _____

Date of Arrival: _____ Date of Departure: _____

Room type: Single bed ____ Double bed ____ King bed ____ Smoking ____ Non-smoking ____
[] Visa [] MasterCard [] Diners Club
[] American Express [] Carte Blanche [] Check or Money Order Enclosed

Credit Card Number: _____ Exp. Date: _____ Amount: \$_____
I authorize the Napa Valley Marriott to charge my account for one night's room and tax.

Signature: _____ Date: _____

FINAL DATE TO MAKE RESERVATIONS: January 15, 1995. Cancel 48 hours prior to arrival to avoid penalty. (If calling reservation in, you must say you are with this Conference to obtain this rate). Mail this form directly to the hotel at the following address: Napa Valley Marriott, 3425 Solano Avenue, Napa, CA, 94558, (707) 253-7433

RUSSIAN RIVER SYMPOSIUM
Napa Valley Marriott - Napa
February 2, 1995

History of a Lost Fishery

Russian River Fisheries Background and Trends - Bill Cox, California Department of Fish and Game.

History of the Salmon Fishery - Park Steiner, Steiner Consulting.

Hungry Water: River Processes and Human Impacts - Matt Kondolf, U.C. Berkeley.

Channel equilibrium changes and riparian habitat losses - Philip Williams and Associates and Karen Gafney, Circuit Rider Productions.

The Russian River: Private Property and Public Resource

Economics and Fisheries - Can they Co-exist?

Streamlining the Permit Process

River Legislation

Basin Planning in the Russian River

DFG's Russian River Tributary and Fishery Restoration Plan - Bob Coey, California Department of Fish and Game.

Coastal Conservancy's Russian River (Mainstem) Resource and Enhancement Plan - Laurel Marcus, Coastal Conservancy.

Public Participation: When is Enough Enough? - Bob Klamt, North Coast Regional Water Quality Control Board.

Assisting Private Landowners - Richard King, Soil Conservation Service.

David Bolling, Friends of the Russian River.



CAL-NEVA AMERICAN FISHERIES SOCIETY ANNUAL MEETING
Napa Valley Marriott, Napa, California
February 3 & 4, 1995

THEME: CONSENSUS BUILDING IN RESOURCE MANAGEMENT

Friday, February 3, 1995

- | | |
|---------------|---|
| 8:30 - 9:00 | Introductory Remarks |
| 9:00 - 10:00 | Keynote Address |
| 10:00 - 10:15 | Break |
| 10:15 - 12:00 | Plenary Session: Perspectives on Consensus Building in Resource Management
Panel: Cay Goude, USFWS, Sacramento, CA - Federal Perspective
David Behar, Bay Institute, San Rafael, CA - Environmental Group Perspective
TBA - State Perspective |
| 12:00 - 1:30 | AFS Business Meeting Luncheon |
| 1:30 - 3:00 | Session #1 - Marine Session. Chair: Dan Howard/Ed Ueber, Gulf of the Farallons
National Marine Sanctuary, San Francisco, CA

Session #2 - Delta Session. Chair: Lesa Meng, USFWS, Sacramento, CA

Session #3 - Freshwater Session. Chair: Dave Lentz, CDFG, Sacramento, CA |
| 3:00 - 3:15 | Break |
| 3:15 - 5:00 | Session #1, 2 and 3 Continued |
| 5:30 - 7:00 | Wine Tasting Reception |
| 7:00 | Dinner Banquet/Raffle |

Saturday, February 4, 1995

- | | |
|--------------|--|
| 8:00 - 8:15 | Facilitated Workshop - Building a Common Agenda for the Future
Chair: Susan Ellis, CDFG, Sacramento, CA |
| 8:15 - 12:00 | Dale Burkett - AFS Fisheries Action Network Chairman
Pam McClelland - AFS Policy and Planning Coordinator
(9:45 - 10:00 Break) |
| 12:00 - 1:15 | Lunch Break |
| 1:15 - 3:00 | Session #4 - Fisheries Resources - State vs. Federal Jurisdiction
Chair: Mary Coburn, Fisheries Consultant, Elko, Nevada

Session #5 - Status of Coho Salmon. Chair: Larry Brown, USGS, Sacramento, CA

Session #6 - Contributed Papers. Chair: Wayne Lifton, Entrix Inc., Walnut Creek, CA |
| 3:00 - 3:15 | Break |
| 3:15 - 5:00 | Session #4, 5 and 6 Continued |

REGISTRATION FORM

CAL/NEVA AFS ANNUAL MEETING RUSSIAN RIVER SYMPOSIUM

Napa Valley Marriott, 3425 Solano Avenue, Napa, CA, 94558
(707) 253-7433

Name: _____

Affiliation: _____

Address: _____ City: _____ State: _____ Zip: _____

Russian River Symposium, February 2, 1995

	Before Jan. 7	Late registration	No. attending	Total amount
Symposium & proceed.	\$30	\$35	x _____	= _____
Student, attend. only	\$15	\$20	x _____	= _____

Cal/Neva Annual Conference, February 3 and 4, 1995

	Before Jan. 7	Late registration	No. attending	Total amount
AFS Members	\$60	\$75	x _____	= _____
Non-members	\$85	\$100	x _____	= _____
Student registration	\$25	\$40	x _____	= _____
Business lunch-No cost			x _____	= _____
Banquet	\$35		x _____	= _____
Raffle tickets	\$1		x _____	= _____
1995 Annual dues (if not paid to National)	\$5		x _____	= _____

Make checks or money orders payable to: Cal-Neva AFS. No purchase orders will be accepted for the early registration rate. Send this form and payment to Ed Cheslak, EA Engineering, Science and Technology, 3468 Mt. Diablo Blvd., Suite B-100, Lafayette, California, 94549. We will accept checks, cash, travelers checks, money orders, or purchase orders at the meeting - no credit cards.

NEWS OF INTEREST TO AQUATIC BIOLOGISTS

Genetic Research Tissue Sampling Protocol California Department of Fish and Game

The Department of Fish and Game considers investigations to genetically differentiate races of salmon and steelhead to be of high priority, and has instituted a protocol for researchers requiring tissue samples from these species. The protocol is intended to insure that: 1) tissues are collected through correct, consistent sampling procedures; 2) salmon and steelhead stocks sampled are reliably identified to race; and 3) stocks of salmon and steelhead with limited numbers are not oversampled.

Coordination of tissue sample collection has been delegated to Mr. Robert Kano (916-654-6955, Fax 916-654-8099) of the Department's Inland Fisheries Division, and Mr. Matthew Galli (916-355-0299) of the Sacramento Valley-Central Sierra (Region 2) office. Researchers should direct requests for tissue samples or questions regarding further details of the protocol to these individuals.



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American Fisheries Society

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WORKSHOP ON THE CONCEPT - DESIGN - IMPLEMENTATION AND MONITORING OF STREAM RESTORATION PROGRAMS

Sponsored by the California-Nevada Chapter of the American Fisheries Society

THE COURSE: This four-day course will provide a detailed overview of the planning, design, implementation and monitoring phases of stream restoration using Lee Vining and Rush creeks as examples. The course will be taught by members of the Restoration Planning Team for Lee Vining and Rush creeks and will include classroom sessions and site visits to both creeks. When in the field, the class will be divided into small groups. Each group will tour the same sites with the instructors, examining in detail each aspect of the restoration process. Specific topics covered by the team will include:

- Identifying restoration goals and objectives.
- Principals of fluvial geomorphology as it relates to understanding past changes to the stream and the ability to implement goals and objectives.
- Designing spawning habitat, pool and backwater habitat and the placement of object cover.
- Preparation of a construction plan (e.g., materials, site access, preventative measures to safeguard water quality and sensitive riparian and wetlands areas), review of the various types of construction activities related to the development of pools, riffles, rewatering historic channels, placement of woody debris/object cover, spawning gravel, backwater habitat, side channel improvement, soft armoring and other treatment.
- Discussion of permitting procedures with CDFG, Army Corp of Engineers, USFS and others.
- Assessment of the fish populations to document baseline conditions and measure the response of fish to restoration treatments. Methods of analyzing abundance, age, growth, and survival of fish will be discussed.
- Preparing a riparian revegetation plan, selecting methods for revegetating creeks, and a discussion of factors influencing natural regeneration of riparian vegetation.

The course instructors are:

Scott English is a biologist and a licensed California Engineering Contractor responsible for directing and documenting the construction of treatments. Mr. English has extensive experience in design and implementation of watershed and stream restoration projects throughout the western United States. Mr. English has also assisted in preparation of permitting documents and coordination with resource staff involved with permitting.

Dr. Eric Larsen is a civil engineer and fluvial geomorphologist who specializes in the assessment of river processes. Dr. Larsen's professional experience and technical background includes over eight years of channel design, channel stability, and river channel migration analyses. He has extensive experience in evaluating the sediment transport processes of river systems and has developed designs for restored stream channels with enhanced fisheries habitat. He has also conducted research on fluvial processes on rivers throughout the Western United States.

Dr. Carl Mesick is a fisheries biologist who has conducted trout population studies at Rush and Lee Vining creeks since 1985. His expertise includes analysis of age, survival, growth rates, migration behavior, spawning habitat, summer and winter habitat use, food preference, temperature effects, stream habitat classification, and instream flow. In addition, he has helped develop restoration plans for streams in the Mono Basin and the El Dorado Forest.

Tim Messick is a botanist specializing in riparian ecology, wetland delineation and habitat restoration. Mr. Messick is responsible for designing and supervising the riparian revegetation and monitoring program for Lee Vining and Rush creeks. He has also conducted riparian studies in the Mono Basin for the Mono Lake water rights EIR.

Dr. Scott Stine is a geomorphologist who has studied the geomorphology and paleoclimatology of the Mono Basin since 1979. He has authored several reports on those subjects areas and has led several field tours and discussions for professional organizations in the Mono Basin. Dr. Stine documented the historic and present geomorphic, hydrographic, and vegetative conditions on the Lee Vining and Rush creeks using aerial photographs obtained prior to 1940 and in recent years.

Tom Taylor is a fisheries biologist who is responsible for supervising the fish monitoring program which includes assessing fish populations in treated and non-treated segments of the streams. He has field evaluated restoration treatments in Rush and Lee Vining creeks during winter and during high flow conditions and followed up with an examination of fish population response. Mr. Taylor has extensive experience designing and implementing fish population monitoring plans for streams in the Sierras and coastal areas. In addition, he has evaluated several stream restoration projects proposed within State Parks throughout California.

E. Woody Trihey is a hydraulic engineer who specializes in quantifying the response of fish habitat to naturally or artificially induced changes in river processes. His professional experience includes nearly 20 years developing and applying scientific methods to describe the response of fish habitat to changes in streamflow, stream temperature, sediment transport and ice process. Mr. Trihey is the Restoration Consultant selected to plan and implement the restoration work for Lee Vining and Rush creeks.

DATES OF THE COURSE: May 8-11, 1995, 8:00 a.m. to 5:00 p.m. (The Monday session will start at 12 noon with registration).

WHERE: Lee Vining, California, at the Lee Vining Presbyterian Church.

COST: \$300 for AFS members, \$400 for non-AFS members (does not include travel or lodging expenses). You must be a current member of both the parent society and the California-Nevada Chapter to qualify for the AFS member rate.

HOW DO I ENROLL OR GET MORE INFORMATION: Call or write Shawn Chase, ENTRIX Inc., 590 Ygnacio Valley Road, Suite 200, Walnut Creek, CA 94596, telephone (510) 935-9920.

Enrollment deadline is April 14, 1994. An agency, company, or personal check should accompany your enrollment request. Checks should be made payable to Cal-Neva Chapter, AFS. For state and federal employees, a copy of your approved training request will be sufficient to hold a space. Enrollment is limited to the first 45 paid or confirmed registrants. A minimum of 20 candidates must enroll by the deadline or the course will be canceled.



American Fisheries Society

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NATURAL RESOURCES NEGOTIATION AND DECISION MAKING

Co-sponsored by:

**The California-Nevada Chapter of the American Fisheries Society
Colorado State University**

This course focuses on developing skills in interpersonal and interorganizational negotiations and decision making in a wide range of natural resource issues including endangered species and water resource management (including IFIM studies). Upon completion of this course, participants will be able to:

- Diagnose the negotiation strategy employed by others.
- Recognize elements of effective communication.
- Use the tactics of three classic negotiation strategies.
- Negotiate more effectively when not in control of the decision process.

This class is recommended for anyone who may be involved in a resource negotiation.

THE INSTRUCTORS:

Nina Burkardt has worked for USFWS and now National Biological Survey (NBS) since 1987. Her major interest is the effectiveness of various mechanisms and strategies for protecting water resources and she has published in the fields of natural resources negotiation and instream flow protection strategies. Nina has a M.S. in Political Science focusing on environmental politics and policy. She has taught "Natural Resources Negotiation and Decision Making" to agency and non-agency scientists since 1989.

Jonathan Taylor is a Research Social Scientist for in Fort Collins, Colorado for NBS. Jonathan has a Ph.D. in Renewable Natural Resources and has published in the fields of natural resources negotiation, IFIM, and recreational use and public preferences of natural resources. He has been employed by USFWS and now NBS since 1988 and has also taught "Natural Resources Negotiation and Decision Making" since 1989.

Currently, both Nina and Jonathan are Senior Investigators on a research project examining FERC licensing/relicensing negotiations.

DATES OF THE COURSE: February 22-24, 1995

WHERE: National University, 9320 Tech Center Drive, Sacramento, California

COST: \$350 (does not include travel or lodging expenses).

Registration form on the reverse

Natural Resources Negotiation and Decision Making

Course Registration Form

Name _____

Business/Agency _____

Address _____

City _____ State _____ Zip _____

Business Phone () _____ FAX () _____

Course: **EC 417** **February 22-24, 1995** **Sacramento, CA** **\$350**

Total amount due: \$ _____

Please indicate method of payment, made payable to Colorado State University:

_____ Check or money order enclosed.

_____ Purchase Order/Training Form enclosed.

_____ Bill MasterCard or Visa (circle one)

Card # _____ Expiration Date: _____

Return this application form and payment to:

Henrietta Cullinane
Office of Conference Services
Colorado State University
Fort Collins, CO 80523

Telephone: (303)491-7767
FAX: (303)491-0667

Enrollment is limited to the first 40 paid or confirmed registrants. A minimum of 24 candidates must enroll by February 8, 1995 or the course will be canceled.

No refunds will be made for cancellations received less than four weeks before the course starting date.