



PISCES

Volume 32, Number 1, Winter 2003

Welcome to the Annual Meeting

*Don MacDonald, President
Western Division, AFS*

*Chuck Knutson, President
California-Nevada Chapter, AFS*

The Western Division and California-Nevada Chapter of AFS invite you to attend the **Joint Annual Meeting of the WDAFS and the Cal-Neva Chapter**, which will be held **April 14-17, 2003 in San Diego, California**. This year's meeting will be at the beautiful Hyatt Islandia Hotel, located on Mission Bay right across the street from Sea World. The location for this meeting provides the perfect backdrop for an exciting meeting on lake, stream, estuarine and marine issues. We believe that this will be one of the best meetings that WDAFS and Cal-Neva have ever hosted and will provide a great opportunity for information exchange and building new partnerships. We are very excited about the incredible response that we have received from our Mexican colleagues, and we have planned a number of activities that highlight international fisheries, professionalism, and AFS throughout western North America.

The Cal-Neva Chapter is pleased to provide the local arrangements for the 2003 WDAFS and Cal-Neva Annual Meeting. Many of the Cal-Neva Chapter members had a

taste of hosting the parent AFS Meeting in Monterey in 1997 and the WDAFS meeting in Sacramento in 1993. We are confident in Local Arrangements Chair Dave Manning and his committee members' expertise for providing us with an exciting location and well-organized meeting, lodging, arrangements, and entertainment. Because of the high rewards of hosting meetings such as these, Cal-Neva Chapter members are ready to take our turn and serve AFS again.

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Your Chapter Needs You!

*Tom Lambert, Bylaws and Nominations Committee
Chairperson*

The Cal-Neva Chapter is seeking candidates to run for President-elect and Treasurer for the April 2003 election. This is a great opportunity to develop your planning and leadership skills, and provide a valuable service to your Chapter and AFS. Previous EXCOMM experience is not necessary. The President-elect's primary responsibility will be to organize the program for the Chapter's annual meeting in April 2004. Following the annual meeting, the President-elect will then serve one year as President, presiding at Chapter meetings and representing the Chapter at the Western Division and Parent Society levels. The outgoing President would continue serving on the EXCOMM for one year as Past-President, providing advice and guidance to the committee.

The Treasurer serves as a Chapter officer for two years. As custodian of Chapter funds, the Treasurer prepares annual budgets and disperses funds. Members interested in running for either office should immediately contact Tom Lambert at (707) 829-7882 or by e-mail at lambert5@pacbell.net.

Student Affairs and Volunteers at 2003 Annual Meeting

Contact: Fred Feyrer
(916) 227-2552
ffeyrer@water.ca.gov

Volunteer Opportunities

Individuals may work as a volunteer at the meeting to reduce or waive registration fees. Reimbursement will be one day of registration fees waived for each 2 hours of volunteer work performed. Therefore, to waive all registration fees, an individual must work a total of 8 volunteer hours. Volunteer activities may include operating audio-visual equipment during technical sessions, assisting at the registration desk, assembling and dismantling poster boards, assisting with fund-raising (t-shirt) sales, and other activities. Students will be given priority for all volunteer opportunities.

Student Lodging

A limited number of rooms will be available to share at no charge for students attending the conference. These rooms will be available at the Dana Hotel, which is located across the street from the Hyatt Islandia. No single rooms will be available. Any student interested in free lodging is required to contact the student affairs chair for coordination. Do not contact the Dana Hotel. If you contact the Dana Hotel you will be directed to coordinate with the student affairs chair.

***Pisces* Distribution is Going Electronic**

The Cal-Neva Chapter Newsletter *Pisces* will soon be moving to electronic distribution via the Chapter's website (<http://www.afs-calneva.org>). An announcement with a direct link to the Newsletter will be provided via the Chapter's email server when each issue is published. With this new electronic distribution, the Chapter stands to save a significant amount of money that would normally be dedicated to printing and mailing paper copies of the Newsletter. However, annual meeting information will continue to be sent to members in the mail.

PLEASE CONTACT CHRIS WILKINSON, *PISCES* EDITOR, DIRECTLY
IF YOU STILL WISH TO RECEIVE PAPER COPIES.

Contact: Chris Wilkinson
(916) 651-9629
cdw@water.ca.gov

Productive Pacific Ecosystems

Lake, Stream, Estuarine, and Marine Environments From Alaska to Baja

April 14-17, 2003

Hyatt-Islandia Hotel - 1441 Quivira Road - San Diego, California 92109, (619) 224-1234

Plenary Session

This commencement event for our 2003 Annual Meeting will be held on Tuesday, April 15th beginning at 8:15am sharp. We will convene this session in the Hyatt's Regency Ballroom and it will be one of the most informative and interesting professional fisheries presentations that we have had the pleasure of putting together. The title of this year's Plenary Session is "**Global Sustainability: Challenges and Prospects for North American Fisheries and Beyond.**" Although the title is short, the subject is long, complex, and reaches across international borders and waters. By just looking at the names and subjects that our distinguished guest presenters will talk to us about, you can begin to imagine just how very special this morning will be:

- **Carl Burger (U.S. Fish and Wildlife Service – Maine, USA...and our past President, WDAFS & AFS)** – “A Global Perspective on Sustaining Fisheries in the 21st Century: Transitioning Beyond existing Paradigms to an Integrated, Ecosystem Approach;”
- **Ambassador Gilbert Parent (Canadian Ambassador for the Environment)** – “Managing Marine Fisheries in a Changing Climate: Approaches for Achieving Fisheries Sustainability;”
- **Dr. Salvador Contreras-Balderas** – “Approaches to Managing Freshwater, Estuarine, and Marine Fisheries in Mexico: Toward Fisheries Sustainability;” and
- **Bill Hammond (Florida Gulf Coast University – Florida, USA)** – “Challenges and Prospects for Fisheries Sustainability in the United States.”

California Estuarine Research Society (CAERS) Inaugural Meeting

The newly formed California Estuarine Research Society (CAERS) will hold its inaugural meeting on Monday, April 14, 2003, at the Hubbs Sea World Conference Room in San Diego. The meeting will be held in conjunction with the annual meeting of the Western Division and California-Nevada Chapter of the American Fisheries Society (AFS), April 14-17, at the Hyatt-Islandia Hotel. There will be a CAERS mixer late in the afternoon of the 14th.

Registration - Registration for both meetings will be handled by AFS. Fees for the CAERS meeting are as follows: \$40 for members, \$20 for students, and \$55 for non-members. More information about the 2003 AFS conference can be found at the AFS Western Division (<http://www.fisheries.org/wd/meet/2003/meet2003.htm>) or CAL-NEVA Chapter (<http://www.afs-calneva.org>) websites.

Theme - The theme of the one-day CAERS session, chaired by Wim Kimmerer of the Romberg Tiburon Center for Environmental Studies and President-elect of CAERS, is:

“Natural and restored estuaries and marshes: how important are they to Pacific coast invertebrates and fishes?”

The CAERS Executive/Program Committee (*Fred Nichols - past president, Randy Brown - president, Wim Kimmerer - president elect, Fred Feyrer - secretary-treasurer and John Largier and Steve Weisburg - members at large*) anticipates filling much of the day with papers addressing the above theme, but will accommodate contributed papers on other estuarine topics, as time is available. Student papers are encouraged. There will be a brief business meeting just before the CAERS social.

General Meeting Information

Accommodations

The Western Division and Cal-Neva Chapter are proud to provide lodging for this year's annual meeting at the Hyatt Regency Islandia Hotel and Marina (www.islandia.hyatt.com, 1441 Quivira Rd., San Diego, CA 92109). *We've secured every room in the hotel's tower from the night of Sunday April, 13 to Thursday April, 17 at the discounted groups rates of \$99 and \$129 per night.* San Diego is a fantastic vacation destination and the Hyatt has generously extended these rates for two days before and after the meeting. Please enjoy the conference and perhaps a long weekend at this beautiful waterfront resort! *Call the Hyatt at 619-224-1234 before March 14 and mention the "American Fisheries Society" to receive the discount rates.* We expect very high attendance – in the likely event the Hyatt is full *we've reserved a block of overflow rooms at the Dana Inn (www.danainn.com) located on the water across the street from the Hyatt.* Call 619-222-6440 and mention the American Fisheries Society to get the special \$129 discount rate. *Students! AFS will pay for your lodging if you help out during the meeting!* Contact Student Affairs Coordinator Fred Feyrer before you make any lodging arrangements at ffeyrer@water.ca.gov or at (916) 227-2552 for details.

Registration

Registration fee includes all 4 major socials (Welcome, Trade Show, Scripps Aquarium & Outmigration), all symposia/technical sessions and breaks, exhibit show/poster session, and Western Division Business Luncheon. Early registration forms must be submitted by March 14, 2003, and late registrations from March 15th to April 7th. After April 7th registration will be **ON-SITE ONLY**. Please use the registration form included in this issue of Pisces or download a copy from the annual meeting website (<http://www.fisheries.org/wd/meet/meet.htm>). Mail Registration Forms to: WDAFS/Cal-Neva Annual Meeting, Att: Judy Urrutia, P.O. Box 872, Gridley, Ca 95948 or fax (530) 846-3795.

For more information contact: Judy Urrutia at Jurrutia@dfg.ca.gov

CAERS

CAERS registration fee required to attend CAERS annual meeting on April 14th. CAERS registration will include program, breaks and CAERS Social at Hubbs after the CAERS meeting.

Continuing Education

Four continuing education workshops will be offered on Monday, April 14 in conjunction with the annual meeting. To enroll in a workshop, please use the enrollment form included in this issue of Pisces or download a copy from the annual meeting website (<http://www.fisheries.org/wd/meet/meet.htm>). **Deadline for Enrollment for all workshops is April 1, 2003.** Mail Enrollment Form to: Kathy Hieb, c/o CDFG, 4001 N. Wilson Way, Stockton, CA 95205.

For more information, please contact Kathy Hieb at khieb@delta.dfg.ca.gov or (209)942-6078. Prefer email inquiries.

Career and Job Fair

Just starting out? Looking for a change? Want to know what it is like to work in a different state in a different type of job? Come join us for the Career/Job fair. We will have representatives from State and Federal Agencies, Tribes, Consultants, Education, NGOs, and Fishing guides ready to tell you what it is like to work in their sector. Get inside information on how to get a job at their organization. Many groups have job openings for both entry and senior-level positions. Representatives will be available to discuss active jobs with potential applicants. If you ever wondered about a job or career, come and ask. We will disclose all.

Interested in exhibiting in the fair? Email jbaldrige@entrix.com with Job Fair in the comment line.

Socials and Special Events

International Reception – Monday Evening

A special reception will honor Mexican and other international colleagues, enhance new friendships, and renew old ones. The reception will be open to all international registrants to enjoy refreshments with AFS leadership and their guests.

Monday, April 14.....5:30pm-7:00pm Hyatt Penthouse (18th Floor)

Welcome to San Diego Social - Monday Evening

Ease the stress of traveling, relax after a day of continuing education classes, meet old friends, and network with other professionals at the welcoming social. Enjoy cocktails and tray passed hors d'oeuvres while overlooking Mission Bay at the Hyatt's beautiful Islandia Restaurant. *Monday, April 14....7:00pm-9:00pm Islandia Restaurant - Hyatt Islandia*

Exhibitors Show & Poster Social – Tuesday Evening

The Exhibit Show and Poster Social will feature lively entertainment and refreshments from 5:30 until 7:30 p.m, Tuesday evening. The authors will attend their posters from 5:30 p.m. to 7:30, and commercial exhibitors and trade show representatives will be on hand to answer questions, provide demonstrations and sell their wares. Come and check out the displays, posters and join in the fun! *Tuesday, April 15...5:30pm-7:30pm Mission Ballroom - Hyatt Islandia*

Scripps Birch Aquarium Reception and Dinner – Wednesday Evening

Set atop the bluffs overlooking La Jolla Cove, the setting for Scripps Birch Aquarium can only be described as stunning. Scripps extends its reputation as a world class marine science institution to what is accurately described as one of the west coast's premier aquariums. AFS has exclusive use of the facility on Wednesday evening – come enjoy excellent cuisine and beverages while touring the aquarium's displays.

Please take advantage of the provided bus service for the 20 minute drive to La Jolla. Buses will begin departing from the Hyatt's main entrance in front of the lobby at 5:30 pm. Continuous shuttle service to and from the site will be available throughout the evening but plan to arrive early to enjoy passed hors d' oeuvres at sunset on the tidepool plaza. This is a casual indoor / outdoor event – please dress accordingly. To maximize your enjoyment of the exhibits we have decided against having a traditional banquet. Unique stations with delicious international and domestic foods will be located throughout the facility. The aquarium's bookstore will also be open so come prepared to buy some hard to find texts.

*Wednesday, April 16...6:00 pm-10:00pm – (Buses begin departing at 5:30 pm)
Birch Aquarium - Scripps Institution*

Outmigration Social – Thursday Night

Reward yourself for attending the entire conference, bid farewell to colleagues, or kick-off a relaxing weekend in San Diego by enjoying refreshments at the Outmigration social. *Thursday, April 17...5:30pm-7:30pm Mission Ballroom*

Raffle

We plan to have individual barrels associated with each prize so tickets can be placed for those items you want to be drawn for! Because many of the attendees are outdoor folks, anything that relates to the enjoyment of those pursuits are listed as prizes. These include hunting / fishing trips, outdoor equipment and gear, airline travel to various destinations, and artwork (paintings, prints, sculptures). Finally, we plan on having a Novara Ponderosa Mountain Bike and a Dagger Blackwater canoe as 2 grand prizes.

Remember, proceeds go toward sponsoring fisheries students that are attending/presenting at the annual meeting.

Attention WDAFS Chapters! We are looking for contributions to the raffle, please contact Jim Warnecke at jwarnecke@gf.state.az.us or (602) 981-9400 ext. 213.

Fashion Show

A fishhead fashion show will be held during the Exhibits/Poster Social, from 5:30 to 7:30pm on Tuesday, April 15. Contestants will model clothes and fashion accessories that have fish and/or other aquatic organisms printed, engraved, or otherwise embossed on them. Categories judged will include; most original, most outlandish, best native and/or endangered species ensemble, and best of show. Prizes will be awarded for the winners of each category. If you plan to participate or need more information, please contact Shawn Chase at shawnc@scwa.ca.gov.

Grunion Run 5K Run/Walk

Come join us for the grunion run on Wednesday morning, April 16, from 6:00 to 7:30 a.m. This event will be a 5k run/walk near the hotel with scenic views of Mission Bay. Everyone who signs up will receive a beautiful t-shirt commemorating the event, and prizes will be awarded to the first male and female contestants crossing the finish line. Whether you're interested in trying for first place, or just want to start your Wednesday morning getting some casual exercise with your fellow fishheads, sign up and come on out! Contact Amy Harris at amyh@scwa.ca.gov with any questions.

Participants should sign up on the registration form for the meeting or at the registration desk before the day of the event. The cost is \$12, including the Grunion Run 2003 T-shirt. Please meet outside the main lobby of the hotel at 6:00 a.m. on Wednesday, April 16. See you there!

Sport Fishing Charter

There will be a sport fishing charter on the vessel *Cortez* leaving the night of April 17th and returning the evening of April 18th. We plan to fish San Clemente Island, located 55 miles west of San Diego. Spring fishing at the island usually consists of excellent kelp bass fishing (many 2-5 pound fish) with an opportunity for yellowtail and white seabass. The boat will leave at 8:00 pm on the 17th so we are at the island in time to try and catch squid. If squid is available, the chance of catching yellowtail or white seabass is greatly enhanced. The boat will return between 8:00 and 10:00 pm on the 18th.

The *Cortez* is located at Seaforth Landing, about ¼ miles from the Islandia Hotel. Tackle is available for rent (\$15.00) and a one-day license is \$7.10. For those with annual licenses purchased in northern California, you'll need to buy an Ocean Enhancement stamp for \$2.65 since they probably didn't include it on your license.

The cost of the trip is \$110.00 and includes your bunk and crew tip. The trip is limited to 18 and your spot is reserved when I receive a check for the full cost of the charter. The galley will be open for breakfast and lunch with the possibility of remaining open for dinner if we are out late. You can have your fish filleted on the boat as we return from the island. I have chartered the *Cortez* for many years and always enjoyed fishing on the vessel. If you have any questions, please contact me at:

Steve Crooke
(562) 342-7195
scrooke@dfg.ca.gov

Dive Charter

Join your AFS colleagues on a chartered dive trip off of San Diego's coast to finish up the week of annual meeting activities. We will join the *Lois Ann* (<http://www.loisann.com>) and her crew for a full day of diving on Friday April 18. The boat will depart from the dock at Seaforth Landing near the Hyatt for an hour-and-a-half trip to the Coronado Islands (looking out for *Mola mola* and California flyingfish along the way). The Coronados, in Mexican waters 20 miles from Mission Bay, are known for 50' visibility and dives in the 10-65' depth range. Don't miss this opportunity to dive with your friends and the local marine life in some of the bluest water off of San Diego. Trip includes: steel-80 tank and three air fills, weight belt, lunch and snacks. Bring the rest of your gear or rent it locally.

To reserve your spot we must receive your deposit check for \$60 by March 1, 2003. Checks should be made payable to "Lois Ann Dive Charters" and sent to Tricia Parker c/o USFWS, Red Bluff FWO, 10950 Tyler Road, Red Bluff, CA, 96080. The total cost of the trip will be \$100 maximum, depending upon the number of divers, with the balance due on the day of the trip. A full boat is 20 divers. For more information on the trip, contact Tricia Parker at Tricia_Parker@fws.gov or Chris Wilkinson at cdw@water.ca.gov.

Transportation

San Diego International Airport (Lindbergh Field) is serviced by most major carriers. Southwest Airlines provides an excellent schedule and discount fares from most western cities.

Ground Transfers from the airport to the Hyatt can be obtained from Cloud 9 Shuttle (\$8.50 pp each way) or taxis (\$12-20 each way). The Hyatt Islandia does not have its own airport shuttle service. AFS members that conduct business routinely in San Diego recommend the convenience of traditional taxi services – just hail one curbside at the airport. Cloud 9 Shuttles are available curbside at the airport and run every 15 minutes 24 hours per day. Cloud 9 will deliver you to the Hyatt Islandia but makes multiple stops at other hotels around San Diego. For your trip back to the airport, call the Hyatt's Bell Desk 24 hours in advance. Private Cloud 9 Shuttles can be obtained by calling 800-9-SHUTTLE.

Our overflow and student lodging hotel, the Dana Inn, does provide a complimentary airport shuttle daily from 7:00 am to 11:00 pm. If you're staying at the Dana Inn call 619-222-6440 when you land and they'll send the shuttle.

Rental Cars from all major companies are available at the airport. Many have desks in the airport but all vehicles are located offsite – shuttle services are provided. Enterprise Rent-a-Car has onsite delivery and drop-off service at the Hyatt Islandia – their direct number is 858-483-3800.

Parking at the Hyatt Islandia is free. Ample complimentary parking is also available at the Dana Inn, Marina Village, and Hubbs-SeaWorld Research Institute.

Complimentary Charter Buses will run continuous trips between the Hyatt and Scripps Birch Aquarium in La Jolla for the Wednesday night (April 16) reception and dinner. We urge you to be safe and take advantage of this service – La Jolla is a 15-20 minute drive from the Hyatt. Buses will begin leaving from the Hyatt's main entrance at 5:30 pm. Service from the Aquarium to the Hyatt will end at 11:00 pm.

For more information, please contact Dave Manning at (Western Division Annual Meeting Local Arrangements Chair) at 707-547-1988, dmanning@scwa.ca.gov or Alex Vejar (Transportation Chair) at 858-467-4206, avejar@dfg.ca.gov.

Driving Directions

FROM THE EAST (ARIZONA)

Follow Interstate 8 west to West Mission Bay Drive. Turn right on to West Mission Bay Drive. Stay in your right hand lane. Go over bridge. Go 1/4 mile past Sea World Drive. Veer right onto West Mission Bay Drive. Proceed through traffic loop. Stay in the left lane and make a left turn at the first intersection on to Quivira Road. Make an immediate right. The Hyatt Regency Islandia will be on the left.

FROM THE NORTH (LOS ANGELES)

Follow Interstate 5 South to Sea World Drive Exit and Go Right. Pass Sea World and stay to the right following signs for West Mission Bay Drive. Turn left at Quivira Road, then an immediate right. The Hyatt Regency Islandia is on the left.

FROM THE SOUTH (MEXICO)

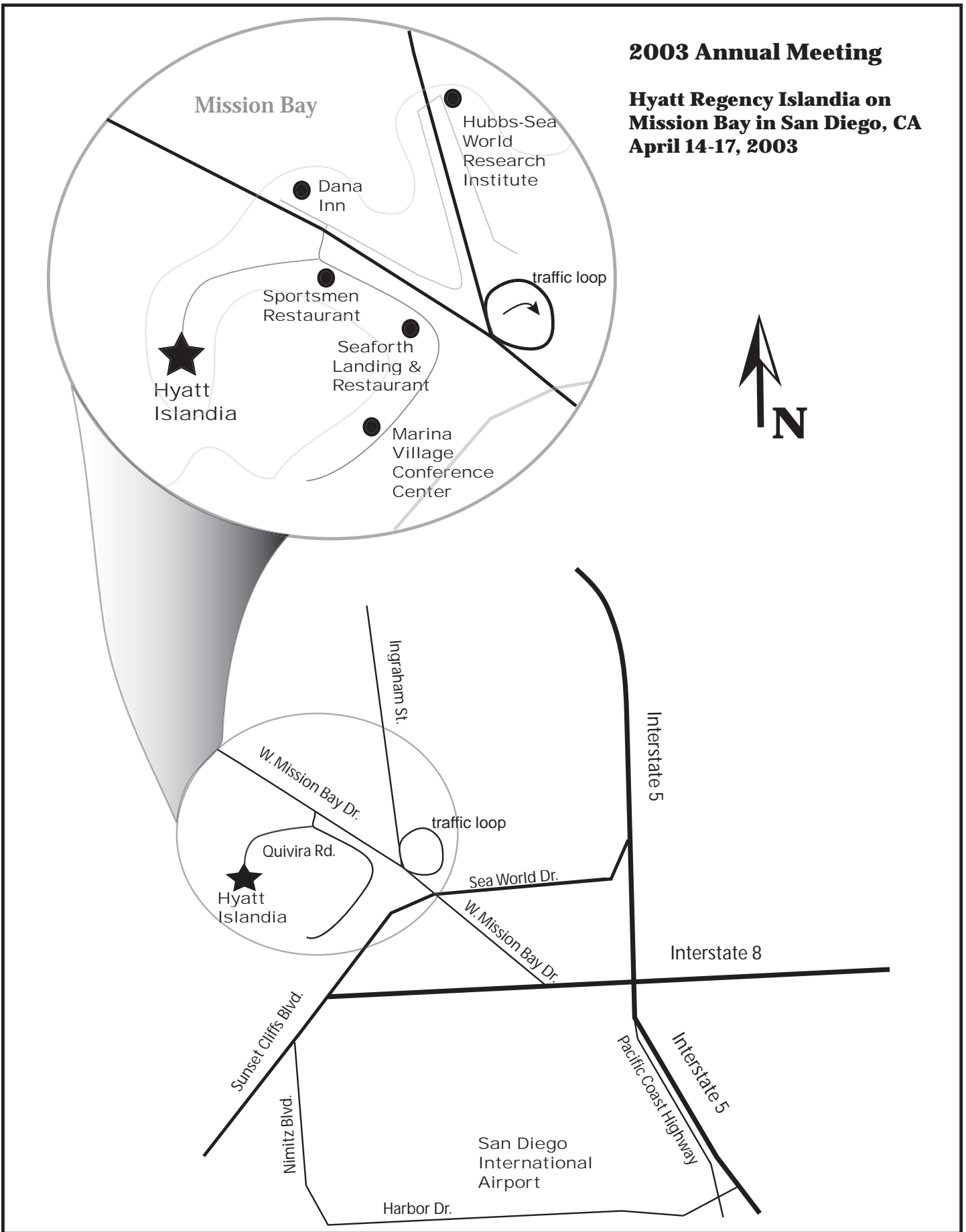
Follow Interstate 5 North to Interstate 8 West (Beaches Exit). Follow Interstate 8 west to West Mission Bay Drive. Turn right on to West Mission Bay Drive. Stay in your right hand lane. Go over bridge. Go 1/4 mile past Sea World Drive. Veer right onto West Mission Bay Drive. Proceed through traffic loop. Stay in the left lane and make a left turn at the first intersection on to Quivira Road. Make an immediate right. The Hyatt Regency Islandia will be on the left.

FROM THE AIRPORT

Take the Pt. Loma exit and turn right on N Harbor Dr. Turn right on Nimitz Blvd. towards Mission Bay Park. Follow Nimitz Blvd north to West Mission Bay Drive/Mission Beach. Veer right onto West Mission Bay Drive. Proceed through traffic loop. Stay in the left lane and make a left turn at the first intersection on to Quivira Road. Make an immediate right. The Hyatt Regency Islandia will be on the left.

2003 Annual Meeting

**Hyatt Regency Islandia on
Mission Bay in San Diego, CA
April 14-17, 2003**



WDAFS/Cal-Neva Annual Meeting, 2003

Preliminary Program-at-a-Glance

(Schedule subject to updates and revisions)

Event Coordination Functions (all in the host hotel - Hyatt Regency)

| | Day | Time | Room |
|----------------------------------|--|--------------------------------|--|
| Registration | Monday, Tuesday, Wednesday Thursday | 7:30am-6:00pm 7:30-10:00am | Mission/Regency Foyer Mission/Regency Foyer |
| WD/Cal-Neva Bus. Office | Monday through Thursday | 7:30am-5:00pm | Garden Building "C", Suite 120 |
| Audio/Visual Preview Room | Monday & Tuesday Wednesday & Thursday | 8:00am-5:00pm 7:30am-5:00pm | Garden Room "E" Garden Room "E" |

Commercial Exhibits/Trade Show & Poster Sessions

| | | | |
|----------|----------------------|---------------------------------|--------------------------------------|
| SET-UP | Monday Tuesday | 1:00-5:00pm 8:00-11:00am | Mission Ballroom Mission Ballroom |
| OPEN | Tuesday Wednesday | 11:30am-5:30pm 8:00am-5:00pm | Mission Ballroom Mission Ballroom |
| TEARDOWN | Thursday | 8:00-11:00am 11:30am-3:00pm | Mission Ballroom Mission Ballroom |

Sunday, April 13, 2003 Western Native Fishes Mtg. 8:00am-5:00pm Hyatt Regency – Marlin Club

Monday, April 14, 2003

| Symposia, Events, & Socials | Time | Location | Room |
|--|----------------|----------------------|-----------------------------|
| Volunteer (student) Training | 8:00-10:00am | Hyatt Regency | Islands "A" |
| CAERS Meeting | 8:30am-4:30pm | Hubbs Research Inst. | Main Meeting Hall |
| Continuing Education Classes | 8:00am-5:00pm | Hyatt Regency | Regency "A, B, and C" |
| Western Division ExCom Luncheon | 10:00am-2:00pm | Hyatt Regency | Islandia Restaurant |
| AFS Leadership Training | 2:00-5:00pm | Hyatt Regency | Islands "A" |
| International Members Reception | 5:30-7:00pm | Hyatt Regency | Hyatt Tower Penthouse Suite |
| "Welcome to San Diego" Social | 7:00-9:00pm | Hyatt Regency | Islandia Restaurant |

Tuesday, April 15, 2003

| Symposia, Events, & Socials | Time | Location | Room |
|--|----------------|-----------------|-----------------------------|
| Pre-Plenary Session Coffee Break | 7:45-8:15am | Hyatt Regency | Mission/Regency Foyer |
| Plenary Session "Global Sustainability" | 8:15-11:15am | Hyatt Regency | Regency Ballroom |
| Mexican Fish Biologists Meeting | 11:30am-1:00pm | Hyatt Regency | Garden Room "F" |
| Boxed Lunches by the Pool – U-Buy | 11:30am-1:00pm | Hyatt Regency | Mission Ballroom Plaza |
| Plenary Speakers Luncheon (w/ Team WDAFS2003) | 11:30am-1:00pm | Hyatt Regency | Hyatt Tower Penthouse Suite |

Tuesday, April 15, 2003 (cont.)

| <i>Symposia, Events, and Socials</i> | <i>Time</i> | <i>Location</i> | <i>Room</i> |
|--|----------------------------|--------------------------------|---|
| Symposia – Status and Trends of Aquatic Resources in the Sea of Cortez & Mexican Fisheries Sessions | 1:00-5:10pm | Hyatt Regency | TBD |
| Large-scale Wild Fish Tagging and Marking Projects | 1:00-5:10pm | Hyatt Regency | TBD |
| Klamath River Fish Kill | 1:00-5:10pm | Hyatt Regency | TBD |
| Ecology, Conservation & Management of Grand Canyon Fishes | 1:00-5:10pm | Hyatt Regency | TBD |
| Contributed – Ecology & Management of Salmonids | 1:00-5:00pm | Hyatt Regency | TBD |
| Symposia- Large-scale Watershed Health Monitoring | 1:00-5:10pm | Marina Village | Terrace Room |
| Biology & Mgmt. of Native/Exotic Fish, Amphibians & Aquatic Reptiles in Coastal S. Calif. & N. Baja Calif. | 1:00-5:10pm | Marina Village | Dockside Room |
| Afternoon Sessions Break | 2:50-3:10pm | Hyatt/Marina Village | Mission Ballroom/ Marina Village |
| Student Job Fair | 5:15-6:30pm | Hyatt Regency | Mission Plaza |
| Comm. Exhibits/ Trade Show & Poster Social (Students should be at their Posters for Judging/Discussion) | 5:30-7:30pm 6:30-7:30pm | Hyatt Regency Hyatt Regency | Mission Ballroom, Plaza and Foyer Mission Plaza and Foyer |
| Fish Fashion Show | 6:00-6:30pm | Hyatt Regency | Mission Plaza |
| Student & Faculty Social | 8:00-9:30 pm | Hyatt Regency | Hyatt Tower Penthouse Suite |

Wednesday, April 16, 2003

| <i>Symposia, Events, and Socials</i> | <i>Time</i> | <i>Location</i> | <i>Room</i> |
|--|-------------------------------|--|-------------------------------------|
| “Grunion Run” – 5K Fun-Run | 6:00-7:30am | Mission Bay Park | Next to Hyatt Regency |
| Symposia – Mexican Fisheries | 8:00-11:10am & 2:00-5:10pm | Hyatt Regency | TBD |
| Use of Science in Public Policy Arena | 8:00-10:50am | Hyatt Regency | TBD |
| Ocean Ecology of Pacific Salmon | 8:00-10:50am & 2:20-5:10pm | Hyatt Regency | TBD |
| An Unique Ecosystem: The Salton Sea, A Saline Lake in a Desert Environment | 8:00-11:10am & 2:00-5:10pm | Hyatt Regency | TBD |
| Determining the Number of Salmon Historically Present and Implications on Management and Recovery | 8:00-11:10am & 2:00-5:10pm | Hyatt Regency | TBD |
| Emerging Theory, Experience and Issues Related to Fire and Fire Management and Aquatic Ecosystems | 8:00-11:10am & 2:20-5:10pm | Marina Village | Terrace Room |
| Biology & Mgmt. of Native/Exotic Fish, Amphibians & Aquatic Reptiles in Coastal S. Calif. & N. Baja Calif. | 8:00-11:10am & 2:20-3:30pm | Marina Village | Dockside Room |
| Morning Sessions Break | 9:30-9:50am | Hyatt/Marina Village | Mission Ballroom/ Marina Village |
| WDAFS Business Luncheon | 11:30am-1:45pm | Hyatt Regency | Regency “B & C” |
| Contributed – Aquatic Habitat Restoration and Management | 2:20-5:10pm | Hyatt Regency | TBD |
| Afternoon Sessions Break | 3:30-3:50pm | Hyatt/Marina Village | Mission Ballroom/Marina Village |
| Contributed – Exotic Fish Species | 3:50-5:10pm | Marina Village | Dockside Room |
| “Birch Aquarium at Scripps” Social | 6:00-10:00pm | Scripps Institution of Oceanography | Buses leave from Hyatt |

Thursday, April 17, 2003

| <i>Symposia, Events, and Socials</i> | <i>Time</i> | <i>Location</i> | <i>Room</i> |
|---|-------------------------------|------------------------|-------------------------------------|
| Symposia – Mexican Fisheries | 8:00-11:30am | Hyatt Regency | TBD |
| Interactions of Hatchery and Wild Fishes in Marine and Estuarine Environments | 8:00-11:30am | Hyatt Regency | TBD |
| Identifying and Overcoming Impediments to Fish Passage | 8:00-11:30am & 1:20-4:50pm | Hyatt Regency | TBD |
| Biology, Ecology, & Management of Sharks of the Pacific Coast of Mexico and the United States | 8:00-11:30am & 1:20-4:50pm | Hyatt Regency | TBD |
| Contributed – Ecology and Management of Marine Fishes and Habitats | 8:00-11:30am | Hyatt Regency | TBD |
| Symposia – The Role of Natural History Collections in Endangered Species Management | 8:00-11:30am | Marina Village | Terrace Room |
| Guidelines for Decision Making & Technical Applications for Captive Breeding Programs | 8:00-11:30am & 1:20-4:50pm | Marina Village | Dockside Room |
| Morning Sessions Break | 9:30-9:50am | Hyatt/Marina Village | Mission Ballroom/ Marina Village |
| Boxed Lunches by the Pool – U-Buy | 11:30am-1:00pm | Hyatt Regency | Mission Ballroom Plaza |
| Cal-Neva Chapter Business Luncheon | 11:45am-1:15pm | Hyatt Regency | Hyatt Tower Penthouse Suite |
| Contributed – Ecology and Management of Freshwater Fishes | 1:20-4:50pm | Hyatt Regency | TBD |
| Western Native Trout | 1:20-4:50pm | Hyatt Regency | TBD |
| Symposia – <i>Oncorhynchus</i> at Their Southern Extremes | 1:20-4:50pm | Hyatt Regency | TBD |
| Reservoir Management in the Arid West | 1:20-4:50pm | Marina Village | Terrace Room |
| Afternoon Sessions Break | 3:10-3:30pm | Hyatt/Marina Village | Ballroom Foyer/Marina Village |
| “Outmigration” Social | 5:30-7:30pm | Hyatt Regency | Mission Ballroom |

We are very pleased with the way the program is coming together. There are 21 symposia scheduled and abstracts for contributed papers and posters have been coming in rapidly through mid-January. Program Co-Chairs Tom McMahon and Mark Brouder deserve special credit for setting up an excellent program. So far, there seems to be something of interest for everybody associated with the aquatic sciences, freshwater as well as marine. The extra strong marine sessions and participation from Mexican fisheries professionals will make this meeting unique in many ways.

We have also incorporated a number of opportunities for you to relax and network with your colleagues throughout the meeting. On Monday, the day is full of opportunities for upgrading your skills with an array of Continuing Education classes including Carl Burger's Leadership Training Course. We are pleased to announce that the inaugural meeting of the California Estuarine Research Society will be held at the Hubbs Sea World Research Institute's Auditorium near the Hyatt Islandia on Monday. The day will end with the AFS "Welcome to San Diego" social.

On Tuesday, we will begin the day with our Plenary Session entitled, *Global Fisheries Sustainability: Challenges and Prospects for North American Fisheries and Beyond?* which will feature Carl Burger, Past President of AFS, Gilbert Parent, Canada's Ambassador for the Environment, Dr. Salvador Contreras Balderas-retired, Universidad de Nuevo Leon, and Dr. Bill Hammond, Florida Gulf Coast University. The Plenary Session will be followed by a number of symposia and technical sessions as well as the Exhibit Show and Posters.

On Wednesday, the day will begin with the Grunion run, followed by a full day of symposia and technical sessions. The WDAFS Business Luncheon is scheduled for this day, so mark it on your calendar because you don't want to miss it. The

day will end at the world-renowned Scripps Institution Birch Aquarium in La Jolla, where we will have plenty of food and drink, the raffle, and aquarium tours. The last day of the meeting is filled with technical sessions and symposia, with the Cal-Neva Business Meeting being held lunch. We encourage all of you to stay for a full day of great sessions and conclude the meeting with our "Outmigration" social.

We hope that you will plan to stay an extra day in San Diego to take in some of the many attractions that San Diego has to offer. We have scheduled scuba diving and ocean fishing charters on Friday, April 18th, departing from the doorstep of the hotel. With the current presence of an El Nino along the equator of the Central Pacific Ocean, we are optimistic that some of warmer water species, such as yellowtail, white sea bass, barracuda, and maybe even tuna, will be available to AFS anglers. So by all means, please sign up for one of these trips! As you can see, the meeting is jammed with events and opportunities for you to learn and exchange information in a relaxed setting.

We urge you to register for the meeting as soon as possible. It is also important to reserve a room at the Hyatt Islandia because space at the lowest rate is limited. We have negotiated the best rates possible for this event, and they are very reasonable for San Diego in the springtime (\$99 government and \$129). This meeting represents an outstanding opportunity to share technical information, network with colleagues, expand your skills as a fisheries practitioner, and have a ton of fun in the sun. Bring your friends and families along to enjoy the local offerings! Please check our website often at www.fisheries.org/wd to receive conference updates and **register now!** See you in April!

Statement of the Cal-Neva Chapter AFS Regarding Northern Pike

(Delivered at the Lake Davis Coalition Meeting, January 13, 2003)

Chuck Knutson, President

“My name is Chuck Knutson, current President of the California-Nevada Chapter of the American Fisheries Society. I am here representing the views of the Executive Committee of our Chapter, which has approximately 500 active members from the fishery science profession, including employees in Federal, State, and local governments, academia, and private consulting firms. Our Chapter is the largest in North America and has been in existence since 1963, and is part of a larger parent society, the American Fisheries Society, which has approximately 10,000 members across North America and has been in existence since 1870. I brought along some AFS brochures for those who are interested in finding out more about our organization.

In a letter dated February 23, 2000, to Robert Hight, Director of the CDFG, signed by then Chapter President Mike Meinz, our Chapter stated that the objective of the plan entitled, “Managing Northern Pike at Lake Davis: A Plan for Y2000”, should be eradication of northern pike from Lake Davis and its tributaries rather than containment and control. The risk of northern pike spreading to other waters and causing irreversible harm to California’s natural resources, including sport and commercial fisheries, and threatened and endangered native species, was thought to be too high. Our Chapter offered its expertise in assisting the CDFG in any future re-drafting of the Y2000 Plan.

In a letter dated April 8, 2002, to Diana Jacobs, Special Advisor to the Director of CDFG, then Chapter President Larry Brown commended the Department for its efforts in working with and gaining the trust of the Lake Davis community. The Chapter continued to believe that the near-term goal should be complete eradication of northern pike from Lake Davis as soon as possible by any acceptable means, because anything less would put the multi-million dollar restoration effort in the Sacramento-San Joaquin Delta system and other nearby waters at unacceptable risk should pike escape Lake Davis. The Chapter expressed the belief that a well-planned chemical treatment would provide the best chance for eradicating the pike but would certainly be willing to support other methods with a high probability of success. The Chapter stated its interest in helping the CDFG by attending a Lake Davis Steering Committee meeting, providing technical review on the development and application of new tools that the CDFG might use in its efforts, and continuing a dialogue with the Department so that the Chapter may stay apprised

of future and ongoing efforts related to the Lake Davis situation and the Department may stay apprised of any changes in the Chapter’s position.

In a letter dated September 24, 2002, to Fran Roudebush, Chair of the Lake Davis Steering Committee, current President Chapter Chuck Knutson thanked the Committee for a productive meeting that Chapter member Dr. Dave Vanicek and he had with the Steering Committee on July 22, 2002. The Chapter expressed a desire at that time to review and provide recommendations on future updates of the Y2000 Plan and attend any meetings that the Committee may have with CDFG Director Hight in the future. As the possible list of Plan alternatives to eradicate pike had become smaller, the Chapter recommended that serious consideration again be given to conducting another chemical treatment of Lake Davis, with full cooperation of all parties involved, using the best technology currently available (including new rotenone formulations from Scandinavia), and eliminating any reasonable threats to public health.

The California-Nevada Chapter of AFS is here tonight to reaffirm our commitment to help eradicate northern pike from Lake Davis as soon as possible to remove the risk of their spread to other waters of the State. We are willing to work with the CDFG and the Lake Davis Steering Committee to achieve this goal and recommend at this time that the feasibility of another chemical treatment of the lake be investigated in conjunction with complete or partial draining of the Lake.

Thank you for the opportunity to be here and make this presentation tonight.”

Service To Consider Listing California’s State Fish

September 20, 2002

Contact: Jim Nickles (916) 414-6572, 916/501-6885 (cell)

SACRAMENTO, California – The California golden trout, which lives in some of the highest watersheds in the southern Sierra Nevada and is California’s official state fish, may need to be protected under the Endangered Species Act, the U.S. Fish and Wildlife Service has determined. The Service, complying with a court order, has completed an initial review – called a “90-day finding” – on a petition filed by Trout Unlimited to list the species as endangered. The Service has determined that substantial evidence exists to support the petitioned action. The Service next will complete a 12-month review to decide whether or not to propose the California golden trout for listing as threatened or endangered. At the end of the 12-month review, the Service will determine whether listing is “not warranted,” “warranted” or “warranted but precluded” based on other higher priority species.

An “endangered” species is one that is in danger of extinction throughout all or a significant portion of its range. A “threatened” species is one that is likely to become endangered within the foreseeable future.

”No final decision has been made,” said Steve Thompson, Manager of the Service’s California/Nevada Operations Office. “The Service is initiating a 12-month status review to determine if the petitioned action is warranted. To ensure that the review is comprehensive, we are soliciting information and data regarding this species.” At the same time it is doing the 12-month review, the Service will work with the state Department of Fish and Game, the U.S. Forest Service and other agencies and stakeholders on updating and refining a 1999 conservation strategy for the trout. Effective conservation measures in place at the time of the 12-month finding could reduce or prevent any need to list the species.

The golden trout takes its name from the brilliant gold coloring on its lower sides and the red orange coloring on its belly, cheeks, and central lateral band. A subspecies of the redband trout, the California golden trout and the Little Kern golden trout, a related species, evolved from an invasion of sea-run rainbow trout 20,000 years ago into the southern Sierra Nevada. Isolations between drainages resulted in the independent evolution of the subspecies.

California golden trout are now limited to two watersheds – the Golden Trout Creek drainage and the headwaters of the South Fork Kern River. Both are in the Golden Trout Wilderness, part of the Inyo National Forest in Tulare County. The California golden trout has experienced a decline in its range as well as abundance. Declines in populations are a result of hybridization with introduced rainbow trout and competition with introduced brown trout. Genetic studies have shown that fish in most reaches in the two watersheds show some level of hybridization. The fish have also been affected by livestock overgrazing. In November 2001, Trout Unlimited filed a complaint in Federal District Court alleging the Service had violated the Endangered Species Act by failing to act on its petition within the specified 90-day period. In June 2001, U.S. District Judge Vaughn Walker ruled in favor of Trout Unlimited and ordered the Service to complete the 90-day finding. This finding, published in today’s Federal Register, complies with that order. The Service requests any additional information, comments, and suggestions from the public, other concerned governmental agencies, the scientific community, industry, and other interested parties concerning the status of the California golden trout.

The Service is seeking information regarding historic and current distribution, biology and ecology, ongoing conservation measures for the species and its habitat, and threats to the species and its habitat. Data, information, comments or questions concerning this petition should be submitted to the Field Supervisor, Sacramento Fish and Wildlife Office, 2800 Cottage Way, Room W-2605, Sacramento, California 95825.

Service Withdraws Proposal to Remove Federal Protection From Northern Populations of Tidewater Goby

November 7, 2002

Contact: Lois Grunwald (805) 644-1766

The U.S. Fish and Wildlife Service today withdrew its proposal to remove the northern populations of the tidewater goby from the federal list of threatened and endangered species. As a result, the northern populations and all other populations of the goby throughout its range will remain listed as an endangered species.

After receiving comments from the public, tidewater goby experts, and peer reviewers opposing the delisting, the Service concludes that the commenters’ arguments “are compelling and that is prudent to withdraw the proposed delisting,” said Diane Noda, field supervisor for the Ventura Fish and Wildlife Office.

The Service will now begin to develop a recovery plan for the goby that will both guide conservation activities for the species and make specific under what criteria the tidewater goby should be considered for delisting. Recovery plans are blueprints for actions by federal and state agencies and private organizations to conserve species.

The Service is also withdrawing its proposal to retain the southern California population of the tidewater goby as a distinct endangered population, which accompanied the original proposal. The withdrawal now makes a southern distinct population segment unnecessary.

A copy of the withdrawal is available at the *Federal Register*’s web site at: http://www.access.gpo.gov/su_docs/aces/aces140.html

The tidewater goby (*Eucyclogobius newberryi*) is a two-inch long, greyish-brown fish that lives in coastal saltwater lagoons and occasionally in fresh water along the California coast from Del Norte to northern San Diego counties. It has lost a significant portion of its habitat during the past 150 years to coastal development activities.

The tidewater goby was listed as an endangered species in 1994 at the end of an extended drought cycle. In June 1999, the Service proposed that the species be delisted because there were more populations in the northern portion of the range than at that time the species was listed; the threats to those populations were not as severe as previously believed; and the Service believed the tidewater goby had a greater ability to recolonize areas than was known when the species was listed.

Comments received by the Service, including those by goby experts and peer reviewers, raised legitimate questions about the reasons for delisting. Accordingly, the Service believes it is prudent to withdraw the delisting proposal.

NOAA Fisheries Determines the Southern Population of Bocaccio Does Not Warrant Listing Under the Endangered Species Act

November 14, 2002

Contact: Jim Milbury (562) 980-4006

NOAA's National Marine Fisheries Service (NOAA Fisheries) announced today that the southern population of bocaccio (*Sebastes paucispinis*), a rockfish located in the waters south of Cape Mendocino off the coast of California, does not warrant listing as threatened under the Endangered Species Act (ESA). The National Oceanic Atmospheric Administration (NOAA) is an agency of the Department of Commerce. "Scientific data show the southern population of bocaccio to be at low levels, but the population does not warrant listing under the ESA," said Bill Hogarth, director of NOAA Fisheries. "Instead, we will closely monitor the status of bocaccio by continuing research activities and by working with the Pacific Fishery Management Council to monitor the progress of their rebuilding measures."

Bocaccio is considered overfished under the nation's marine fisheries law, the Magnuson-Stevens Act. In January 2001, the Natural Resources Defense Council, the Center for Biological Diversity, and the Ocean Conservancy petitioned NOAA Fisheries to list the population of bocaccio south of Cape Mendocino as threatened, and to designate critical habitat under the Endangered Species Act (ESA).

In June 2001, NOAA Fisheries found that the petition contained substantial information to warrant further examination. Information and comments were solicited from the public, and the NOAA Fisheries Southwest Fisheries Science Center in La Jolla, Calif., reviewed the status of the species. The status review provided a summary of the biology, current population status, and future outlook for the southern population of bocaccio, including results of a population model that projects population levels at 25 and 100 years under varying harvest rates. In addition, the status review includes an evaluation of several risk factors that are critical for determining whether the listing of bocaccio was warranted under the ESA. Copies of the status review and the Federal Register notice will be available online at <http://www.nmfs.noaa.gov>.

Based on a review of the best scientific and commercial information on the status of the species, and on management recommendations recently submitted by the Council to further protect bocaccio, NOAA Fisheries finds that listing the southern stock of bocaccio is not warranted at this time. However, bocaccio will be retained on the candidate species list, and its status will be closely monitored. NOAA Fisheries is preparing additional management measures for 2003, recommended by the Pacific Fishery Management Council, that will further reduce incidental and directed catches. Bocaccio are known to exist as far north as Alaska and as far south as central Baja, California. Bocaccio is a common rockfish, belonging to the genus *Sebastes*.

Adults have been found at depths of 40 to 1,578 feet, but are most abundant at 165 to 825 feet. Adults are often found in association with rocky areas. Larvae and small juveniles are free swimming and are commonly found in the upper 300 feet of the water column.

NOAA Fisheries Determines North American Green Sturgeon Does Not Warrant Listing Under the Endangered Species Act

January 27, 2003

Contact: Jim Milbury(562) 980-4006
Craig Wingert(562) 980-4021

NOAA's National Marine Fisheries Service (NOAA Fisheries) has determined that the North American green sturgeon (*Acipenser medirostris*), is not in danger of extinction or likely to become so in the foreseeable future and therefore does not qualify as threatened or endangered under the Endangered Species Act (ESA). The National Oceanic and Atmospheric Administration (NOAA) is an agency of the Commerce Department.

The green sturgeon is a large anadromous bottom-dwelling fish that ranges from Alaska to Mexico in marine waters and forages in estuaries and bays from San Francisco Bay to British Columbia. "We identified the existence of two distinct population segments of green sturgeon and based on a review of the best available data, neither appear to be declining in population numbers or are in danger of extinction," Dr. Bill Hogarth, NOAA Fisheries Assistant Administrator. "However, we will continue to monitor the well-being of the green sturgeon by keeping it on our candidate species list and reviewing its status again in five years, if information warrants."

In June 2001, the Environmental Protection Information Center, the Center for Biological Diversity, and the Waterkeepers Northern California petitioned NOAA Fisheries to list the green sturgeon as endangered or threatened throughout its range, and to designate critical habitat under the ESA. The ESA defines an endangered species as "any species which is in danger of extinction throughout all or a significant portion of its range." A threatened species is defined as "any species which is likely to become endangered within the foreseeable future throughout all or a significant portion of its range."

In December 2001, NOAA Fisheries found that the petition to list the green sturgeon contained substantial information that warranted further examination and initiated a comprehensive review on the status of the species. NOAA Fisheries solicited information and comments pertaining to this species from the public and established a Biological Review Team (BRT) to examine the available data. The BRT was composed of scientists from the agency's Southwest Fisheries Science Center, Northwest Fisheries Science Center, and the U.S. Geological Survey. The BRT examined all the available scientific information provided by the public and other interested parties including input and comments by state and tribal co-managers in California, Oregon, and

Washington. The BRT made several findings and recommendations that include:

- There are two identified distinct population segments of green sturgeon. One is the northern population found north of the Eel River along the coast, and the other is the southern population that includes any coastal or Central Valley populations south of the Eel River, with the only known population to exist in the Sacramento River.
- The majority of the BRT agreed that there is not sufficient information showing that either population segment is in danger of extinction or likely to become so in the foreseeable future based on the available information.
- Uncertainties remain about the exact status of the populations, and concerns remain about the threats they face.
- There is a critical need to monitor population trends and identify potential risks to the species.
- Both population segments of green sturgeon will be placed on NOAA Fisheries' Candidate Species List and its status re-assessed within five years, if information warrants.

Green sturgeon is a long-lived, slow-growing fish and is the most marine oriented of the sturgeon species. There is evidence that green sturgeon spawn in the Klamath-Trinity, Sacramento and Rogue Rivers, with most of the spawning thought to occur in the Klamath-Trinity River. The green sturgeon is usually caught as "by-catch" during commercial, recreational, or tribal fishery activities. For more information online please visit:

NOAA - <http://www.noaa.gov>

NOAA Fisheries - <http://www.nmfs.noaa.gov>.

Lower American River Science Conference

June 5 – 6, 2003

California State University, Sacramento

College of Natural Sciences and Mathematics

SAVE THE DATES!

The Lower American River is a unique resource of the Sacramento region, making important contributions to the economic, environmental and recreational quality of the region. It is the most heavily used recreational river in California, and many public and private agencies are concerned with its welfare. Factors affecting the health of the river include increased flood control requirements, population growth, rising pressure on water use, changing recreation patterns, new understanding of aquatic ecosystems, fish issues, flow management, and restoration projects.

The Lower American River Science Conference will build on existing information, provide a forum where interested parties can share information about ongoing projects and initiatives, and identify gaps in existing knowledge so that disparate groups can coordinate future research projects. The three concurrent sessions will have the following themes:

- Fish session: Habitat, in-stream flow, fish biology and genetics, effects of dams, and surface water quality.
- Groundwater session: Stream/aquifer interaction, contaminant plumes, ground water vs. surface water basins, and conjunctive use.
- Weather session: Forecasting extreme precipitation in the Sierra Nevada; implications for the American River Watershed. (Available Friday, June 6, 2003 ONLY!)

Who Should Attend: Members of federal, state, and local agencies with regulatory roles on the Lower American River; research agencies; consulting companies; members of the interested public; and academic institutions.

Cost: Pre-registration fee \$75/person, on-site registration fee \$110/person.

One day pre-registration fee \$40/person, one day on-site registration fee \$60/person.

Student rate will be available.

Look for a detailed registration brochure in the mail available March 2003, or on-line at www.cce.csus.edu/conferences

For registration questions or to register, please call (800) 858-7743 or (916) 278-4433.

For technical/content questions, please visit appropriate link on conference website at www.cce.csus.edu/conferences.

Early Life History of Fishes in the San Francisco Estuary and Watershed: Symposium and Proceedings Volume

The Interagency Ecological Program and the CALFED Science Program are sponsoring this symposium which will take place at the 2003 American Fisheries Society Larval Fish Conference. The conference will be held at the University of California, Santa Cruz, August 20-23, and will be hosted by the National Marine Fisheries Service, Santa Cruz Laboratory. A group of 20 papers contributing to this symposium are currently in peer review and will be published in a proceedings volume by the American Fisheries Society Symposium Series. Visit the following web sites for more information:

AFS 2003 Larval Fish Conference: <http://www.lfc2003.com>

This symposium: http://iep.water.ca.gov/2003_elh/

Titles with an asterisk will appear in the proceedings volume to be published by AFS.

Bioavailability of organic matter in a highly disturbed estuary: the role of detrital and algal resources
William V. Sobczak, James E. Cloern, Alan D. Jassby, and Anke B. Mueller-Solger

Effects of freshwater flow on abundance of estuarine organisms: physical effects or trophic linkages
Wim J. Kimmerer

*Pacific herring *Clupea pallasii* spawning grounds in San Francisco Bay: 1973-2000
Dianna Watters, Howard M. Brown, Fred J. Griffin, Eric J. Larson, and Gary Cherr

*Survival and growth of Pacific herring *Clupea pallasii* larvae is a function of external salinity
Fred J. Griffin, M. F. Brenner, Howard M. Brown, E. H. Smith, C. A. Vines, and Gary Cherr

*Some aspects of the ecology of larval Pacific herring *Clupea pallasii* in the San Francisco Estuary
Steve Bollens and Allison Sanders

*Summertime habitat associations of age-0 silversides at Alameda Point, San Francisco Bay
Andy Jahn

*Vertical distribution of larval delta smelt and striped bass in the Sacramento-San Joaquin Delta
Andrew C.C. Rockriver and Kevin Fleming

Plasticity in vertical migration by native and exotic estuarine fishes in a dynamic low-salinity zone
William A. Bennett, Wim J. Kimmerer, Jon R. Burau

Inter-specific differences in the feeding ecology of osmerids in the low salinity zone of the San Francisco Estuary
James Hobbs and William A. Bennett

*Springtime trends in larval and juvenile fish abundance in the San Francisco Estuary
Michael Dege and Ryan Mayfield

*Spatial and temporal distribution of ichthyoplankton across a horizontal subtidal gradient in the Sacramento-San Joaquin Delta: implications for restoration
Lenny Grimaldo, Robert Miller, Chris Peregrin, and Zachary Hymanson

*Ecological segregation of native and alien larval fish assemblages in the southern Sacramento-San Joaquin Delta
Frederick Feyrer

*Growth and growth rate variability of larval striped bass in the San Francisco Estuary
Stephen F. Foss and Lee W. Miller

*Sensitivity of larval fish transport using a particle tracking model in Suisun Marsh
Callie Harrison, Christopher Enright, Matthew L. Nobriga, and Steven Culbertson

*Evaluating entrainment vulnerability to agricultural irrigation diversions: a comparison among open water fishes
Matthew L. Nobriga, Zoltan Matica, and Zachary Hymanson

*Ecological patterns of larval fish assemblages in a large river-floodplain of the San Francisco Estuary
Ted Sommer, William Harrell, Ryon Kurth, Frederick Feyrer, Steven Zeug, and Gavin O'Leary

*Use of a restored central California floodplain by larvae of native and alien fishes
Patrick K. Crain, Keith Whitener, and Peter B. Moyle

*Lower Feather River juvenile fish assemblages: distribution, emmigration patterns, and associations with environmental variables
Alicia Seesholtz, Bradley Cavallo, Jason Kindopp, Ryon Kurth, and Michael Perrone

*Does size, taxa or color matter? Evaluating fish-larvae light trap efficiency in the northern Sacramento River system
Michael Marchetti, Elaine Esteban, Michael Limm, and Ryon Kurth

*Estimating growth rates of juvenile Central Valley Chinook salmon in California's Central Valley using otolith microstructures
Robert G. Titus, Martha C. Volkoff, and William M. Snider

The hyporheic environment of larval salmonids in Central Valley streams
John G. Williams

*Early life stages of delta smelt *Hypomesus transpacificus*
Randall C. Mager, Serge I. Doroshov, Joel P. Van Eenannaam, and Randall Brown

*The effect of light intensity, alga concentration, and prey density on the feeding behavior of larval delta smelt *Hypomesus transpacificus*
Bradd L Baskerville-Bridges, Joan Lindberg, and Serge I. Doroshov

*Delta smelt exposure to dissolved pesticides in the Sacramento-San Joaquin Delta, California
Kathryn Kuivila and G. Edward Moon

*Lethal and sublethal effects of esfenvalerate and diazinon on larval splittail *Pogonichthys macrolepidotus*
Swee J. Teh, GuoHua Zang, Tom Kimball, and FooChing Teh

Effects of herbicides used to control water hyacinth and Brazilian elodea on larval delta smelt *Hypomesus transpacificus*
Frank Riley, Julie Owen, and Brian Finlayson

2002-2003 Cal-Neva Chapter Executive Committee

Chapter Officers

| | | | |
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| Past President | Larry Brown | lrbrown@usgs.gov | (916) 278-3098 |
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| | | | |
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*****Continuing Education Workshops***
Western Division & California-Nevada Chapter, AFS**



Workshop #1: *Biological Assessments: Expediting Section 7 Consultations*

Preparing an adequate Biological Assessment (BA) is a key to expediting Section 7 Endangered Species Act consultations with the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service. NMFS personnel will discuss what information is required and recommended and why, with the goal of better and faster opinions. Topics will include:

- writing complete project descriptions
- assessing direct, indirect, and cumulative effects
- making effects determinations
- the ESA/NEPA and the ESA/EFH interface

Date: Monday, April 14, 2003, 8:00 AM to 5:00 PM

Fee: \$60, AFS members; \$75 non-members

Enrollment: 18 minimum, 30 maximum

Instructor: Penny Ruvelas, NMFS

Workshop #2: *Biotelemetry Systems: Theoretical and Practical Considerations*

This course will examine biotelemetry from both a theoretical and practical perspective. The goal of the workshop is to impart a good understanding of benefits and tradeoffs which must be made during the study design phase of a project. This will permit researchers employing biotelemetry to make informed decisions during the selection of system components, helping to ensure the ultimate success of their projects. The ultimate goal of the workshop is not to turn biologists into engineers, but to impart an awareness and appreciation of methods and techniques which can be readily employed to maximize system performance.

Date: Monday, April 14, 2003, 8:00 AM to 5:00 PM

Fee: \$80, AFS members; \$100 non-members

Enrollment: 18 minimum, 24 maximum

Instructor: Mitchell M. Sisak, Applied Biometrics Inc.

Workshop #3: *Conflict Resolution Skills for Natural Resource Professionals*

There is no shortage of conflict that natural resource professionals are asked to deal with. Natural resource issues elicit strong passions because decision making materially affects people's lives or there are radically different core values involved. People also have different conflict management styles that often make matters worse. Because resource professionals are usually involved in the early stages of a conflict they are well placed to apply conflict resolution skills before matters escalate to higher, often highly adversarial levels. Drawing on basic mediation techniques professionals can diagnose the causes of conflict and move a developing resource dispute from a "me-against-you" to an "us-against-the-problem" dialog. This workshop introduces conflict resolution skills that natural resource professionals can use to manage conflict.

Date: Monday, April 14, 2003, 8:00 AM to 5:00 PM

Fee: \$80, AFS members; \$100 non-members

Enrollment: 18 minimum, 30 maximum

Instructor: Michael E. Fraidenburg, Dynamic Solutions Group, LLC

Workshop #4: *AFS Leadership Principles Workshop*

This workshop targets AFS Division and Chapter leaders. Leadership training, especially as it pertains to AFS business, is critically important to achieving success. This workshop's goal is to enhance your leadership skills to give you the tools (literally and figuratively) that you will need to be an effective leader, both within and beyond AFS.

Date: Monday, April 14, 2003, 2:00 to 5:00 PM

Fee: Free, but please complete the enrollment form

Instructors: Carl Burger, Fred Harris, and others.

2003 Continuing Education Workshop Enrollment

Name _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ E-mail _____

| | AFS member | Non-member | |
|-------------------------------------|-------------------|-------------------|-------------|
| Workshop #1 (Biological Assessment) | \$60 | \$75 | _____ |
| Workshop #2 (Telemetry) | \$80 | \$100 | _____ |
| Workshop #3 (Conflict Resolution) | \$80 | \$100 | _____ |
| Workshop #4 (AFS Leadership) | | | <u>Free</u> |

Total Fees **PAYABLE TO CAL-NEVA CHAPTER AFS**
501(C)3 Organization Federal Tax ID #23-7226673

We accept payment by check, money order, MasterCard or Visa.

Visa or MasterCard Payment

Print Name (from card): _____

Card#: _____ Expiration Date: _____

Signature: _____

Zip Code from Card Billing Address (for verification): _____

Deadline for Enrollment for all workshops is April 1, 2003. If minimum enrollment is not met by April 1, a workshop may be cancelled. If there is space available, you can enroll up to the date of the workshops, April 14, 2003, on-site (Registration will be open at 7:15 AM).

Mail Enrollment Form to:

Kathy Hieb
c/o CDFG
4001 N. Wilson Way
Stockton, CA 95205

For more information, please contact Kathy Hieb at khieb@delta.dfg.ca.gov or (209)942-6078. Prefer email inquiries.

REFUNDS: Cancellations prior to April 1, 2003, will be refunded the full enrollment fee minus a \$20 administrative fee. NO REFUNDS after April 1, 2003

“Productive Pacific Ecosystems”

Lake, Stream, Estuarine, and Marine Environments From Alaska to Baja

2003 Joint Annual Meeting

Western Division & California/Nevada Chapter of American Fisheries Society
& California Estuarine Research Society

April 14-17, 2003

Hyatt-Islandia Hotel - 1441 Quivira Road - San Diego, California 92109, (619) 224-1234

The San Diego meeting location was selected to further encourage participation of members involved with marine, estuarine and Mexican fisheries issues. However, symposia and contributed papers (see below) on freshwater inland issues are certainly welcome and highly encouraged!! Our goal is to provide a forum for all topics of interest to the Western Division and the Cal/Neva Chapter and CAERS...not to mention the beaches, warm temperatures, and nearby activities for all members of the family.

...Here is the Plenary Session we already have lined up!!

Plenary: Carl Burger (US Fish and Wildlife Service) - A Global Perspective on Sustaining Fisheries in the 21st Century: Transitioning Beyond Existing Paradigms to an Integrated, Ecosystem Approach; **Gilbert Parent (Canadian Ambassador for the Environment)** - Managing Marine Fisheries in a Changing Climate: Approaches for Achieving Fisheries Sustainability; **Salvador Contreras Balderas (Universidad de Nuevo Leon)** - Approaches to Managing Freshwater, Estuarine, and Marine Fisheries in Mexico: Toward Fisheries Sustainability; and **Bill Hammond (Florida Gulf Coast University)** - Challenges and Prospects for Fisheries Sustainability in the United States.

Check out the website @ www.fisheries.org/wd for a complete list of all 21 Symposia Sessions.

Registration includes: all 4 major socials (Welcome, Trade Show, Scripps Aquarium & Outmigration), all symposia/technical sessions and breaks, exhibit show/poster sessions, and the Western Division Business Luncheon...what a deal!!!

Information contact: Judy Urrutia at Jurrutia@dfg.ca.gov

California Estuarine Research Society Meeting: April 14, 2003, 8:30 to 4:30 PM

“Natural and Restored Estuaries and Marshes:

How Important are They to Pacific Coast Invertebrates and Fishes?”

Information contact: Wim Kimmerer at kimmerer@sfsu.edu

Continuing Education and AFS Leadership Classes: April 14, 2003, 8:30AM to 4:30PM

Cost: Leadership Class free; others to be determined

Information contact: Kathy Hieb at Khieb@delta.dfg.ca.gov

Grunion Run: 5K Run Cost: \$12.00 -- T-shirt included

Information contact: Amy Harris at amyh@scwa.ca.gov

Dive Trip off San Diego's Coast on the *Lois Ann* (www.loisann.com)

April 18, 2003 Cost: \$60.00 Deposit by March 1, 2003

Information: Tricia Parker at Tricia_Parker@fws.gov or Chris Wilkinson at cdw@water.ca.gov

Deep Sea Fishing Trip to San Clemente Island on the *Cortez* (www.boatcortez.com)

April 18th (board boat on the night of the 17th) Cost: \$110

Information: Steve Croke at SCrooke@dfg.ca.gov

Check out www.fisheries.org/wd for more information about accommodations, transportation, and other functions at the 2003 meeting in San Diego...you absolutely, positively don't wanna' miss this one!!!



REGISTRATION FORM



**2003 Joint Annual Meeting
Western Division & California/Nevada Chapter, AFS
& California Estuarine Research Society**

April 14-17, 2003

Hyatt-Islandia Hotel - 1441 Quivira Road - San Diego, California 92109, (619) 224-1234
See www.fisheries.org/wd for information about Lodging, Fishing/Dive Trips
And Continuing Education Classes

Name _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____ E-mail _____

Guest Name(s) for social, and/or luncheon _____

AFS Parent Society Member # _____

| Registration Fees | <u>AFS Western Division & Cal-Neva</u> | <u>CAERS**</u> | |
|---|--|----------------|------------|
| Member | \$265 | Late fee \$335 | \$40 _____ |
| Non-Member* | \$325 | Late fee \$395 | \$50 _____ |
| Mexican Professionals | 2000 Pesos | | _____ |
| Retired AFS Member | \$125 | | _____ |
| Student | \$ 95 | \$20 | _____ |
| Daily | \$150 | | _____ |
| Guest | \$125 | | _____ |
| Continuing Education Class | To be announced | | _____ |
| Grunion 5K Run | \$ 12 | | _____ |
| T-shirt size | XXL ___ XL ___ L ___ M ___ | | _____ |
| Voluntary Contribution to Student Assistance Fund | | | _____ |

*Membership included with non-membership registration fee

** CAERS Registration fee required to attend CAERS annual meeting on April 14th

TOTAL REGISTRATION PAYABLE TO CAL-NEVA CHAPTER AFS _____

501(C)3 Organization Federal Tax ID #23-7226673

We accept payment by **check, money order, Mastercard or Visa.**

Visa or Master Card Payment

Print Name (from card) _____ Card# _____

Signature _____ Expiration Date _____

Zip Code from Card Billing Address (for verification) _____

**Early Registrations must be submitted by March 14, 2003, and late registrations from Mar 15th to April 7th.
After April 7th registration will be ON-SITE ONLY.**

Mail Registration Form to: WDAFS/Cal-Neva Annual Meeting
ATTN: Judy Urrutia Or Fax (530) 846-3795
PO Box 872
Gridley, Ca 95948

REFUNDS: Cancellations in writing prior to March 14, 2003, will be refunded minus a \$20 admin fee.
NO REFUNDS AFTER MARCH 14, 2003