

Salmonid Restoration Federation's

27th Salmonid Restoration Conference

Elements of Watershed Restoration

March 4-7, 2009
Santa Cruz, CA



Co-Sponsors:

Alnus Ecological; American Fisheries Society Cal Neva Chapter; Americorps Watershed Stewards Project; Balance Hydrologics, Inc.; The Bay Institute; Bureau of Reclamation, Central CA Area Office; California Conservation Corps; California Department Fish & Game; Cal Trout; California Hydropower Reform Coalition; City of Santa Cruz-Water Department; Coastal Conservancy; Coastal Watershed Council; County of Santa Cruz Environmental Health Services; County of Santa Cruz Fish and Game Advisory Commission; Department of Water Resources; D.W. Alley & Associates; East Bay Municipal Utility District; East Bay Regional Park District; Entrix; Fall Creek Engineering; Greening Associates; Guadalupe-Coyote RCD; Kittleson Environmental Consulting Services; Marin Municipal Water District; Michael Love & Associates; NOAA Restoration Center; Northern California / Nevada Council Federation of Flyfishers; Pacific Coast Fish, Wildlife and Wetlands Restoration Association; Pacific Watershed Associates; Pacific Gas & Electric; Pacific States Marine Fisheries Commission; Philip Williams and Associates, Ltd.; Prunuske Chatham, Inc.; Restoration Design Group; San Francisco Estuary Institute; San Gregorio Environmental Resource Center; San Lorenzo Water District; Santa Clara Valley Water District; Santa Cruz Fly Fishermen; Santa Cruz Group of the Ventana Chapter of Sierra Club; Santa Cruz Resource Conservation District; Solano County Water Agency; Sonoma County Water Agency; Stoecker Ecological Consultants; Trees Foundation; Trout Unlimited; US Fish & Wildlife Service; Winzler and Kelly



Searsville Dam Removal: A Unique Opportunity

.....By Matt Stoecker, Stoecker Ecological Consultants and Beyond Searsville Dam

For over a century Searsville Dam has had an enormous impact within Stanford University lands, the San Francisquito Creek watershed, and greater San Francisco Bay estuary. The 65-foot tall Searsville Dam is an excellent sediment trap, and since its construction the reservoir has lost over 90% of its original water storage capacity as almost 1.5 million cubic yards of sediment has filled in the reservoir.

San Francisquito Creek is home to several sensitive species including one of the last, wild, self-sustainable runs of threatened steelhead trout in the South San Francisco Bay. A recent 2007 report by the Center for Ecosystem Management and Restoration identified San Francisquito Creek as one of eight “Anchor Watersheds” for steelhead in San Francisco Bay, which is “critical” to steelhead recovery. Another recent report states that San Francisquito Creek “possibly supported coho salmon” and that in the years immediately following the construction of Searsville Dam the

caretaker for the dam described that “salmon” would swim upstream as far as the dam. Using a pitchfork, the caretaker could spear them below the dam to supplement the family’s diet (Liedy 2006). The Department of Fish and Game also considers the watershed home to one of the key steelhead populations left on the Central California Coast.

The impassable and obsolete Searsville Dam blocks anadromous fish and other aquatic species from accessing the largest tributary in the watershed where native rainbow trout still persist. The artificial habitat of Searsville Reservoir supports numerous exotic and invasive species, including a variety of fish and bullfrogs that compete with and prey upon native species both within the reservoir and downstream where they spill over. With the removal of Searsville Dam and elimination of the reservoir’s stillwater habitat, populations of exotic fish would be eliminated or greatly reduced.

The reservoir behind the dam also flooded a unique “confluence valley”

where five streams merged among adjacent wetland ponds before squeezing through a small gorge where the dam now stands. Restoration of this submerged valley may provide an extremely valuable and needed flood control function as a natural sponge that can soak up winter flows and releases them gradually while providing excellent wetland habitat.

Managers of ongoing wetland restoration projects in San Francisco Bay have expressed a need for millions of cubic yards of clean sediment over the next few decades, and dam removal could provide some of this sediment back to the bay where it was intended to go before the dam was built.

Across the country and around the world owners of obsolete dams are now collaborating with local communities and resource agencies to remove these aging structures because of recognized benefits, ranging from long-term cost savings, eliminated risk, reduced environmental regulatory disputes, improved ecosystem health, project cost sharing, and in many cases improvements to flood protection and water supply operations. The removal of Searsville Dam has the potential to provide most or all of these benefits to Stanford University as well as the greater watershed and San Francisco Bay. There are many questions to be answered as to the trade-offs, technical design planning, costs, and outcomes of numerous dam removal options that could be chosen. These are answers that we can and must pursue.



Upstream of the dam Corte Madera Creek supports native trout where steelhead once spawned.

photo: by Matt Stoecker

Logistics

Conference Facility: City of Santa Cruz: Civic Auditorium www.ci.santa-cruz.ca.us at 307 Church Street

Lodging: SRF has arranged discounted rates at the Best Western and Continental Inn in Santa Cruz, both of which are on Ocean St., walking distance to the conference facility at the Civic Auditorium in downtown Santa Cruz.

The Continental Inn at www.continentalinnsantacruz.com, is offering rooms for \$75 with a continental breakfast. To receive this rate, please call (831) 429-1221 by February 4 and let them know that you are with SRF. The group rate for the **Best Western Inn** in Santa Cruz is \$106 for single or double rooms with a full breakfast. To receive this rate, please call (831) 458-9898 by January 24 and let them know that you are with the salmon group.

Awards: SRF presents awards for outstanding achievements in the salmonid restoration field. If you would like to nominate someone for the Restorationist of the Year award, the Lifetime Achievement award, or the Golden Pipe award for innovations in the restoration field, please email srf@calsalmon.org 200 words describing the nominee’s accomplishments by January 16, 2009.

Cabaret, Poster Session, or Work Trade: to learn more about these opportunities please email srf@calsalmon.org
Scholarship Info: SRF has limited scholarships available. To apply please email srf@calsalmon.org a paragraph by February 15 describing how you would benefit from attending the conference.

Other Logistical Info: Check out www.calsalmon.org

Salmonid Restoration Federation 2009 Conference

Individual Registration Form, **Please Use One Per Person** • Advanced Registration Must Be Postmarked By February 13, 2009

Name: _____ Phone (work): _____
 Address: _____ (home): _____
 Email: _____
 Affiliation: _____ Please check box if you are a presenter

Training Workshops & Field Tours

Wednesday, March 4, 2009

	Advance Registration	Late Registration	FEE
1. Estuary Restoration Workshop	\$55	\$65	_____
2. Sustainable Agriculture: Water Quality and Riparian Habitat Restoration	\$55	\$65	_____
3. Southern Coho Streams: Research and Recovery	\$55	\$65	_____
4. Coho Salmon and Steelhead Enhancement Projects on Santa Cruz County's North Coast	\$55	\$65	_____
5. Dams and Daylighting: Success and Opportunity on San Francisquito Creek	\$55	\$65	_____

Thursday, March 5, 2009

6. Coho Off-Channel Habitat Workshop	\$55	\$65	_____
7. Watershed Monitoring & Assessment	\$55	\$65	_____
8. Fish Passage at Road Stream Crossings: Design, Planning, and Implementation Workshop & Tour	\$55	\$65	_____
9. Resource Management for Steelhead and Coho Salmon A Tour of San Lorenzo River and Soquel Projects	\$55	\$65	_____
10. Carmel River Restoration Tour	\$55	\$65	_____

* Field tours include a bagged lunch and transportation. Please wear clothing, raingear, and shoes appropriate for field tours.

Evening: Wild and Scenic Environmental Film Festival	\$10	\$12	_____
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Conference

March 6-7, 2009 (includes Friday and Saturday lunch and a copy of the Proceedings)

SRF Member (individual membership only)	\$120	\$150	_____
Non-member	\$170	\$200	_____
Student (with photocopy of student ID)	\$70	\$80	_____

Saturday Banquet

(Preference: Salmon ____ Chicken ____ Vegetarian ____)	\$30	\$35	_____
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Membership

New Renewal

Individual Memberships: \$35 Alevin \$50 Fry \$100 Smolt \$250 Jack \$500 Spawner

Payment Total _____

Method of Payment Check Money Order Purchase Order

Purchase Orders will only be accepted for 5 or more people registering. Each registrant will need to fill out an individual form.

VISA MasterCard Credit Card# _____ Exp. Date _____

Approval Signature _____

Mail form and payment to: SRF Conference, PO Box 784, Redway, CA 95560 (Make checks payable to: SRF)

Phone: (707) 923-7501 • Fax: (707) 923-3135 • Email: srf@calsalmon.org

Please Note: We do not give refunds • Receipts provided upon request • This form is available at www.calsalmon.org

Training Workshops & field tours

Wednesday, March 4

Workshops

Estuary Restoration Workshop

Workshop Coordinators: Gillian O'Doherty and Leah Mahan, NOAA Fisheries

This workshop will focus on assessment, planning, and design considerations for estuarine restoration in California. Topics covered will include site evaluation, design considerations, regulatory compliance, and public outreach.

Pescadero Marsh Restoration: Identifying Problems and Exploring Solutions, Jill Marshall, P.G., San Francisco Bay Regional Water Quality Control Board and Joanne Kerbavaz, California State Parks

Estuary Enhancement in the Humboldt Bay Watershed—Can Adaptive Management Reduce Design and Permitting Costs?, Don Allan, Redwood Community Action Agency

Water Quality Dynamics of Pescadero Lagoon and Implications for Fish Mortality, Rebecca Sloan, TRA Environmental

Assessment of Hydrologic and Geomorphic Constraints on Estuarine Restoration, Conor O'Shea, USFWS Coastal Program

Estuarine Enhancement Strategies that Target Nutrient Availability, Nicole Beck, 2nd Nature

Restoration in a Restless Society: Working with Stakeholder Groups in Coastal California, Brannon Ketcham, Point Reyes National Seashore

Hang Fin! Sustainable Agriculture and Salmonids in Surf City, U.S.A Workshop & Tour

Workshop and Tour Coordinator: Kent Reeves, Yolo County Department of Parks & Resources

The classroom portion of the workshop will address the challenges of sustainable agriculture with an emphasis on water quality and riparian habitat restoration in the Monterey Bay Area. The field tour will visit several farms and ranches in the region that highlight sustainable practices that benefit riparian habitat and water quality.

Biodiversity and Agriculture, Jo Ann Baumgartner, Wild Farm Alliance

Developing Healthy Riparian Habitat on Farms for Biodiversity, Sam Earnshaw, Community Alliance with Family Farms

Sustainable Grazing for Improving Water Quality and Riparian Habitat, Kent Reeves, Yolo County Department of Parks & Resources

Understanding the Environmental Toxicology of Pesticide Exposures to Salmon, Christopher A. Pincetich, Salmon Protection and Watershed Network (SPAWN)

Field Tours

Coho Salmon and Steelhead Enhancement Projects on Santa Cruz County's North Coast Tour

Tour Coordinator: Kristen Kittleson, County of Santa Cruz

Tour Leader: Matt Baldzikowski, Midpeninsula Regional Open Space District

This field tour will visit a number of successful restoration and enhancement projects on the beautiful and rugged North Coast of Santa Cruz County, including stream channel rehabilitation sites in the Waddell, Scott, and San Vicente Creek watersheds.

Southern Coho Streams: Research and Recovery Tour

Tour Coordinator: Kristen Kittleson, County of Santa Cruz

Tour Leader: Sean Hayes, NOAA Fisheries, Carla Moss and Dave Streig, Hatchery Managers, and Carlos Garza and Erick Sturm, Coho Salmon Broodstock Program

This field tour will visit sites important to research and recovery of coho salmon in Santa Cruz County, which is the most southern distribution of the population on the West Coast. Tour sites include Scott and Waddell Research stations, Monterey Bay Salmon and Trout Project's Conservation Hatchery at Big Creek, and NOAA's Santa Cruz broodstock program and genetics laboratory.

Dams and Daylighting: Success and Opportunity on San Francisquito Creek Tour

Tour Coordinator: Matt Stoecker, Stoecker Ecological and Beyond Searsville Dam

San Francisquito Creek provides critical habitat to one of the last wild steelhead runs in the south San Francisco Bay. Participants will tour the Jasper Ridge Biological Preserve, Searsville Dam, other small dams and fish ladders, and Portola Valley's brand new LEED certified green Town Center project where we will observe the first year of flow along the newly daylighted and restored Sausal Creek.

Participants in the Dam Removal Tour will visit Stanford University's private Jasper Ridge Biological Preserve and tour Searsville Dam with the preserve director to discuss future challenges and opportunities with the nearly sediment filled reservoir and major steelhead migration barrier.

photo: by Matt Stoecker



Thursday, March 5

Workshops

Fish Passage at Road Stream Crossings: Design, Planning, and Implementation Workshop & Tour

Workshop Coordinator: Mike Love, Mike Love & Associates

The morning workshop will include a presentation on the newly completed fish passage design manual and an overview of regional planning efforts that have addressed numerous fish passage problems in Santa Barbara, Santa Cruz, and Marin Counties. The afternoon tour will visit retrofits of existing road-stream crossings that used different approaches to address passage.

California Department of Fish and Game Fish Passage Design Manual, Mike Love, Michael Love & Associates

Restoring Steelhead in Carpinteria Creek, Santa Barbara County, Mauricio Gomez, South Coast Habitat Restoration

Seasonal Juvenile Portable Fish Ladder Boxes on Zayante Creek, Felton, California—Design, Implementation, and Adaptive Operation and Management Plan, Peter Haase, P.E., Fall Creek Engineering

Vanquishing Barriers in Marin County—Project Based Experience and Lessons Learned From the Field, Kallie Kull, Marin County Public Works Fish Passage Program

Coho Use of Off-Channel Habitat Workshop

Workshop Coordinator: Kit Crump, NOAA Restoration Center

This workshop will present examples of coho use of off-channel habitat and restoration techniques that directly support the creation and maintenance of off-channel habitat features as a key recovery action for CCC coho.

Overview of Off-Channel Habitats and their Use by Coho Salmon, Kit Crump, NOAA Restoration Center

History and Coho Use of Off-Channel Habitats on San Vicente Creek, Mike Podlech, Independent Fisheries Biologist

Design Constraints of the Lower and Upper San Vicente Pond Off-Channel Habitat Projects, Brian Hastings, Balance Hydrologics

Permitting Issues Associated with Off-Channel Habitat Restoration Projects, Jim Robins, Alnus Ecological

Steelhead and Chinook Salmon use of Two Engineered Side Channels in the Central Valley, a Look at Pros and Cons of Design Implementation, Walter Heady, UC Santa Cruz

Coho Use of Off-channel Habitat in the Lower Klamath River, Dan Gale, Yurok Tribal Fisheries Program

Visions and Goals: Tracking the Success of Off Channel Restoration for Juvenile Salmonids, Joe Merz, Cramer Fish Sciences

Juvenile Salmonid Use of a New, Artificial Off-channel Pond in the Scott River, Siskiyou County, Mark Pisano and Mary Olswang, California Department of Fish and Game

Watershed Monitoring and Assessment Workshop

Workshop Coordinators: Armand Ruby, Coastal Watershed Council (CWC) and Chris Choo, Marin County Department of Public Works

Salmonid streams are subject to a variety of stressors, from water quality impacts to loss of habitat. This workshop will focus on the methods and results of watershed monitoring and assessment, and will cover urban, agricultural and rural environments.

Presence and Impacts of Current-Use Pesticides in Coastal Watersheds, Armand Ruby, Coastal Watershed Council

Legacy Pesticides in Central Coast Rivers: the Land-Sea Connection, Dane Hardin, CCLEAN/Applied Marine Sciences

Using Watershed Stewardship Planning Efforts in Marin County to Inform Stormwater Program Activities, Monitoring, and Watershed Assessment, Terri Fashing, Marin County Stormwater Pollution Prevention Program

Marin County Watershed Stewardship Planning: Getting to Realistic Targets and Habitat Goals, Chris Choo, Marin County Dept. of Public Works and Lauren Hammack, Prunuske Chatham, Inc.

How Healthy is your Watershed? Recent Progress on Developing Indicators of Ecological Health and the Potential Applications in the San Francisco Bay Area and Beyond, Kat Ridolfi, San Francisco Estuary Institute

How Monitoring Can Guide us in Urban Watershed Restoration—Developing an Improved Understanding of the Causes of Aquatic Life Use Impacts in Lower South San Francisco Bay Salmonid Streams, Chris Sommers, EOA, Inc.

Towards a Comprehensive Monitoring Strategy for the Sonoma Valley Watershed, Lisa Micheli, Ph.D., Sonoma Ecology Center

Field Tours

Please see www.calsalmon.org for a full list of the tour leaders.

Resource Management for Steelhead and Coho Salmon Conservation in Santa Cruz County: San Lorenzo River and Soquel Creek Projects Tour

Tour Coordinators: Chris Berry, Water Resources Manager, City of Santa Cruz and Kristen Kittleson, Fishery Resource Planner, County of Santa Cruz

This field tour will visit sites to discuss the complex management issues and corresponding local practices associated with steelhead and coho salmon conservation within the San Lorenzo River and Soquel Creek, Santa Cruz's most heavily urbanized and impacted watersheds.

Carmel River Restoration Tour

Tour Coordinator: Michael Wellborn, President, California Watershed Network

Tour Leaders: representatives from Philip Williams & Associates, Ltd., Big Sur Land Trust, Carmel River Watershed Conservancy, Monterey Peninsula Water Management District, Planning and Conservation League Foundation, and Balance Hydrologics

The Carmel River tour will focus on restoration efforts current, past, and future to improve the opportunities for the native steelhead trout and will include presentations on flooding and drought regimes, dams and channel constraints, river mouth manipulations, as well as recent fires and resulting sediment issues.



San Lorenzo estuary

Wild and Scenic Environmental Film Festival

Pizza & Beer garden 5:30-7pm
7-9pm at the Civic Auditorium



Conference Events & Sessions

Friday, March 6

Plenary Session 8:30 am to noon

Status of Restoration Efforts: Monterey Bay and Adjacent Watersheds, Bob Curry, Ph.D., Watershed Sciences

Economic Challenges on the Coastal Zone: How Oceanic Conditions Affect Salmonids, Astrid Scholz, Ph.D., Vice-President, Knowledge Systems, Ecotrust

State of California Salmonids: Reasons for Pessimism, Reasons for Optimism, Peter Moyle, Ph.D., Fisheries Professor and Josh Israel, Ph.D., Geneticist, UC Davis

Climate Intensification: More Extreme Extremes of Floods, Droughts, Heat Waves, and Windstorms. Evidence, Uncertainties, and Implications for Salmon Conservation, Michael J. Furniss, Pacific Northwest and Pacific Southwest Research Stations, Redwood Sciences Lab, Arcata, CA

Friday Afternoon Concurrent Sessions

Coho Salmon Recovery and Restoration: Putting Theory into Practice

Session Coordinator: Darcy Aston, FishNet 4 C Coordinator

Restoration of Coho Salmon in California: Where are We and Where Do We Want to Go?, Stephen Swales Ph.D., California Department of Fish & Game

Condors, Passenger Pigeons, and Dodo Birds: Central California Coast Coho Salmon and our Last Chance to Save them from Extinction, Charlotte A. Ambrose, NOAA Fisheries

Coastal Streamflow Stewardship Project: Working with Landowners to Protect Instream Flows, Brian Johnson, Trout Unlimited

Lagunitas Creek, Long Term Monitoring and Enhancement, Gregory M. Andrew, Marin Municipal Water District

Barrier Removal and Coho Enhancement Planning in the Lagunitas Creek Watershed, Kallie Kull, Marin County Public Works Fish Passage Program

Testing Biological Effectiveness with the Little Browns Creek Migration Barrier Removal Project, Christine Jordan, Five Counties Salmonid Conservation Program

Dam Removal and Modifications for Salmonid Recovery

Session Coordinator: Matt Stoecker, Beyond Searsville Dam and Stoecker Ecological Consultants

The Big Five: Commonalities and Differences among Proposed Dam Removals in the California Coast Ranges, Clare O'Reilly, University of California, Berkeley

Up Your Creek—Dam Removal and Fish Passage Projects in Alameda Creek, Jeff Miller, Alameda Creek Alliance

Let the River Run Free: Dam Removal on the Klamath River, Michael Belchik, Yurok Tribal Fisheries Program

Geomorphic Stability and Fish Passage Potential for the Proposed San Clemente Dam Bypass Channel, Andy Collison, Philip Williams & Associates, Ltd.

It's About Dam Time! Lessons Learned in Dam Removal, Leah Mahan, NOAA Fisheries

Going Tidal—Restoring Natural Hydrologic Dynamics in Point Reyes National Seashore, Marin County, California, Brannon Ketcham, Point Reyes National Seashore

Restoration at the Crossroads: Challenges & Solutions in the Restoration Field

Session Coordinator: Felice Pace, Klamath River Activist

Humility or Hubris—Restoration at the Crossroads, Felice Pace

Restoring Rangeland Watersheds and Endemic Rainbow Trout in the Face of Climate Change, Lisa Thompson, Wildlife, Fish, and Conservation Biology Department, University of California Davis

The California Advisory Committee on Salmon and Steelhead Trout: An Epic of Good Intentions, Barbara Stickel, California Advisory Committee on Salmon and Steelhead Trout

Steelhead Restoration on the California Coast: a Common Sense, Collaborative Approach to Triage, Gordon Becker, Center for Ecosystem Management and Restoration

Headwater Tributaries of the Upper Lagunitas Watershed: Important Coho Spawning and Rearing Habitat?, Paola Bouley, Salmon Protection and Watershed Network

Navigating the Restoration Money Maze: Plotting a Course for Funding Support, Mel Kreb and Michelle Rankin, California Conservation Corps

Poster Session and Reception 7-10pm

Please email srf@calsalmon.org to sign up for the poster session or call SRF at (707)923-7501 for more information.

Saturday, March 7

Saturday Morning Concurrent Sessions

Central & South Coast Steelhead: Biology, Genetics, and Recovery Strategies

Session Coordinator: Dougald Scott, Northern California / Nevada Council Federation of Flyfishers

Steelhead Life History Trajectories, Susan Sogard, National Marine Fisheries Service

Genetics of Steelhead Populations in the Central and South Coast, Carlos Garza, National Marine Fisheries Service

The Role of Coastal Lagoons in Steelhead Survival, Morgan Bond, University of Washington

The Ecology of Steelhead Populations of the Big Sur Coast, Dave Rundio, National Marine Fisheries Service

The Recovery Status of Steelhead in the South Central and Southern DPSs, Mark Capelli, National Marine Fisheries Service

San Luis Rey Watershed Assessment: Steelhead Recovery Planning in Southern California, Dave Kajtaniak, California Department of Fish and Game

Hydrologic and Geomorphic Legacy Issues: Solutions for the Past and the Future

Session Coordinators: Eric Ginney, Philip Williams & Associates, Ltd.

Hydrologic and Geomorphic Impacts of Residential Development on Legacy Roads, John Green, Pacific Watershed Associates

Upland Rehydration Strategies: Slow It, Spread It, & Sink It for Salmon, Brock Dolman, Occidental Arts & Ecology Center

The Klamath Dams: The End of an Era, Eric Ginney, PWA, Ltd.

El Corte de Madera Creek Redwoods Watershed Restoration, Matt Baldzikowski and Meredith Manning, Midpeninsula Regional Open Space District

Estimation of Passage Flows for Anadromous Fish Through Critical Riffles in Stevens and Coyote Creeks, Santa Clara County, California, Shawn Chartrand, Balance Hydrologics

Long-term Geomorphic Effects of Dams on Rivers in the Central Valley of California, Toby Minear, UC Berkeley

Fire Ecology, Forests and Fisheries

Session Coordinator: Frank K. Lake, Ph.D., US Forest Service-Pacific Southwest Research Station

Wildfire and Native Fish: Scaling of Disturbance and Population Structure as Context for Restoration and Conservation, Bruce Rieman, Ph.D., USDA, Forest Service Rocky Mountain Research Station

Improving Our Understanding of Spatial and Temporal Effects of Wildfires on Forests, Riparian Zones, and Fisheries in the Klamath Mountains, United States of America, Frank K. Lake, Ph.D., US Forest Service

Forest Survivorship and Regeneration Following Crown Fires on Three Streams in the Santa Cruz Mountains, California, Will Russell, Ph.D., San José State University

Post-Fire Watershed Restoration: Protecting Water Quality, Fisheries, and Wildlife Resources from Soil Erosion Processes in the Aftermath of Wildfire in Santa Cruz County, Rich Casale, USDA Natural Resources Conservation Service

Saturday Afternoon Concurrent Sessions

Restoring Rivers through FERC Hydropower Relicensing

Session Coordinator: Keith Nakatani, California Hydropower Reform Coalition

Overview of FERC Relicensing, Keith Nakatani, California Hydropower Reform Coalition

The Klamath River: Relicensing Process Update and Key Issues, Steve Rothert, American Rivers

The Yuba-Bear: Relicensing Process Update and Key Issues, Jason Rainey, South Yuba River Citizens League

Lessons Learned from License Implementation, Dave Steindorf, American Whitewater

Environmental Justice, Culture, and the Role of Tribes in the FERC Relicensing Process; The Klamath River as a Case Study, Kate Sloan, Yurok Tribe Environment Program



Adult coho by Morgan Bond

Juvenile Steelhead and Coho Salmon: Central Coast Habitat and Population Research

Session Coordinator: Kristen Kittleson, County of Santa Cruz
Steelhead Use of Warm Water Habitat in Central California Coast Streams, with Management Implications, Don Alley and Chad Steiner, D.W. Alley and Associates

The Grow Zone: Ecology of Central Coast Lagoons, Jerry Smith, Ph.D., San Jose State University

Snorkel Surveys for Coho Salmon in Santa Cruz and San Mateo Counties, Brian Spence, NOAA Fisheries

Assessing the Effectiveness of Large Woody Material for Coho Salmon Habitat Enhancement, Eric Ettlinger, Marin Municipal Water District

A Limiting Factors Approach to Conserve Steelhead and Coho in San Gregorio Creek, San Mateo County, California, Neil Lassetre, Stillwater Sciences

Integrated Watershed Restoration Program: Collaboration for Conservation, Jim Robins, Principal, Alnus Ecological

Water Diversions and Water Wars in California

Session Coordinator: Tom Stokely, California Water Impact Network

Water Wars in California—Is Anybody Winning and Who is Losing?, Tom Stokely, California Water Impact Network

California's Primary Fishery Resource is in the Modoc Plateau, Robert R. Curry, Watershed Systems

New Water Supplies for California—Reliability and Costs—Who Pays, Who Wins, and Who Loses, Steve Evans, Friends of the River

The Peripheral Canal: A Breach Of The Public's Trust and a Vision for Destruction of the Bay and Delta, Dante John Nomellini Sr., Central Delta Water Agency

Fish, Water and Science in the Sacramento-San Joaquin Delta: A Crisis is a Terrible Thing to Waste, Christina Swanson, Ph.D., The Bay Institute

Cabaret & Banquet

6:00pm Wild Salmon Banquet

7:00pm Awards & Cabaret

8:30pm Dance with *Lo Cura*

