

Fish Passage/Fish Screen Panel

Rick Wantuck, National Marine Fisheries Service, Southwest Region

Fisheries Engineer, NMFS, member of design and operational review teams for numerous fish screen projects in California for 4 years; U.S. Navy Engineering- Mechanical Systems for 6 years; Water Quality/Water Treatment Specialist, private business for 4 years and 20 years experience in General Hydraulic Systems B.S.- Cornell University, Environmental Science & Engineering, B.S.- University of the State of New York, Sociology & Government, Masters- Cornell University, Aquaculture Engineering, and U.S. Navy Nuclear Power School- Mechanical Systems Operations

Dan Odenweller, California Department of Fish and Game

Over 25 years experience pertinent to fish screening issues including serving as Statewide Fish Screen and Fish Passage Coordinator for the DFG Inland Fisheries Division, Chairman of the Fish Facilities Technical Committee of the Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary, and providing technical lead on numerous studies and projects concerning fish passage/fish screens. B.S. in Zoology and an M.A. in Biology from California State University, Long Beach.

Walt Hoye, Metropolitan Water District of Southern California

Civil Engineer with 40 years of experience in planning, environmental, operations, design, and construction in water resources/utility work. His earlier career was with the Los Angeles Department of Water and Power and he is currently with MWDSC. From 1995 to the present, he has been responsible for contract management of 47 CALFED projects funded by the California Urban Water Agencies. Participated in Technical Review Panels since inception of the Category III program.

Michael Lee, United States Bureau of Reclamation

Designed rotary drum screen in 1978 for Cui-ui on the Truckee river. Participated on the Anadromous Fish Screen Program Technical Team performing reviews of submitted proposals, feasibility estimates, design reports, designs, and drawings for various fish screen and ladder projects since 1995. Served on Technical Teams for Coleman National Fish Hatchery Water Supply Study, Anderson Cottonwood Irrigation District Fish Passage Project, Glenn-Colusa Irrigation District Fish Screen Enlargement and Improvement Project, Contra Cost Water District Rock Slough Fish Screen Project, and Tracy Fishscreen Facility since 1996. Participated in a Technical Review Panel for CALFED Cat III proposals in 1997 for fish passage proposals.

Lu Hintz, Reclamation District 108

General Manager of Reclamation District No.108 since January 1994. Construction of the second largest positive barrier fish screen facility on the Sacramento River was recently completed. Formerly with Bookman-Edmonston Engineering Inc., has 32 years of experience as a consulting engineer in water resources development throughout the Western States.

Darryl Hayes, Department of Water Resources

Civil engineer with 16 years experience in planning, design, and construction, including six years dealing with fish passage issues and research. Served as chair of the Interagency Ecological Program's Fish Facilities Development Team, co-chair of the CALFED Fish Facilities Team, and participated in various fish screen technical committees including the Glenn-Colusa Irrigation District's Technical Advisory Group and the CVPIA's Anadromous Fish Screen Program. B. S. from Colorado State University at Fort Collins.

**Habitat Restoration Panel
(4 Panels)**

Frank Piccola, R.E.M, Army Corps of Engineers

Eight years experience with the Corps of Engineers, five years in the Sacramento District and three years in the Los Angeles District as a Biological Sciences, Environmental Manager. Responsible for preparation and review of NEPA documents, mitigation planning, and endangered species consultation.

Randy Benthin, Department of Fish and Game

Employed by the State of California for the past 28 years; the last 19 with the Department of Fish and Game. Since 1990 has been involved with salmon and steelhead restoration activities in the Sacramento Valley. Current assignment is as a Habitat Restoration Coordinator helping to implement provisions of the Central Valley Project Improvement Act's Anadromous Fisheries Restoration Program. Emphasis is placed on population recovery and habitat restoration for State and federally listed anadromous salmonids.

Scott Spaulding, Fish and Wildlife Service

Masters degree in zoology from Idaho State University. Worked on salmon restoration issues in the Columbia and Snake River systems in Washington and Idaho from 1985 to 1993. Upon return from the Peace Corp in 1996 worked as a Habitat Restoration Coordinator for the U.S. Fish and Wildlife Service, Anadromous Fish Restoration Program in Stockton, California.

Mark Littlefield, US Fish and Wildlife Service

No biography available

Peter Vorster, The Bay Institute

No biography available

John Merz, The Sacramento River Preservation Trust

Co-founder and Chair of the Board of the Sacramento River Preservation Trust. Currently serves on the Rice Straw Burning Alternatives Advisory Group, Offstream Storage Technical Advisory Group and Northwestern California Resource Advisory Council. Also involved in the SB1086,

CALFED Watershed Program, Sacramento River Watershed Program and numerous watershed organizations in Northern California.

Earle Cummings, Department of Water Resources

Wetlands Coordinator, and Recreation and Wildlife Resources Advisor in the Environmental Services Office for the Department of Water Resources since April 1997. Prior to that, Urban Streams Restoration Program Manager. Technical training in chemistry, biological sciences, hydrology and wildlife ecology; BA Biology, MS Wildlife Ecology. Employment in the chemical industry, non-profits, academia, local government and several State of California natural resource management and regulatory agencies (DFG, CDF, Boating and Waterways, Resources Agency Secretary's Office, SWRCB and DWR).

Wendell Gilgert, Natural Resources Conservation Service/Colorado State University
No biography available

Rick Sitts, Metropolitan Water District

No biography available

Annalena Bronson, Department of Water Resources

Employed by DWR/Division of Flood Management since 1981. Responsible for CEQA, CESA, and other Clean Water Act and other permit compliance, mitigation planning and all environmental issues associated with numerous flood control projects under The Reclamation Board's jurisdiction in the Central Valley. Participates in the SB 1086 program and as a Study Team member for the Sacramento and San Joaquin River Basin Comprehensive Study sponsored by the Board and the U.S. Army Corps of Engineers.

Jane Rinck, Army Corps of Engineers

No biography available

Gail Burnham, Army Corps of Engineers

Water resources planner for twenty years. From 1991 to 1997 was the study manager for the Vic Fazio Yolo Wildlife Area which restored 3,100 acres of wetland habitat in the Yolo Bypass. From 1994 to 1997 project manager for Yolo Basin Wetlands, Davis Site which created 400 acres of wetlands utilizing treated wastewater. California registered professional civil and mechanical engineer.

Julie Tupper, U.S. Forest Service

Geomorphologist for the US Forest Service with extensive experience in the Sacramento River system. Works with local watershed groups, reviewing project proposals and has knowledge of upper watershed issues & water quality issues.

Walt Hoye, Metropolitan Water District of Southern California

Civil Engineer with 40 years of experience in planning, environmental, operations, design, and construction in water resources/utility work. His earlier career was with the Los Angeles Department of Water and Power and he is currently with MWDSC. From 1995 to the present, has been responsible for contract management of 47 CALFED projects funded by the California Urban Water Agencies. Participated in Technical Review Panels since inception of the Category III program.

Rich Dixon, Department of Fish and Game

No biography available.

Carl Mesick, US Fish and Wildlife Service

No biography available.

Local Watershed Stewardship Panel

Panel A

Russ Henley, Department of Forestry

No biography available

Chris Leninger

Co-founded Deer Creek Watershed Conservancy and served as the first President of the organization. Instrumental in initiating and developing the California Rangeland Trust. Actively involved in watershed management planning and development from the grassroots level and worked with local, state and federal resource managers as well as conservation organizations to coordinate resource planning, projects and policy among public and private land managers.

John Icanberry, Fish and Wildlife Service - CVPIA

No biography available

Scott Downie, Department of Fish and Game

Worked in the construction industry for 25 years as a heavy equipment operator and project superintendent. Since 1981, engaged in salmon and steelhead restoration as a contractor, and since 1991 as a Fish Habitat Supervisor for the CA Department of Fish and Game based in the Eel and Mattole watersheds. Developed and written several protocols, plans, and other publications including the co-authorship of the Department's "California Salmonid Stream Habitat Restoration Manual," and the "Eel River Action Plan."

Dennis Heiman, Central Valley Regional Water Quality Control Board

Works with local watershed groups and reviewing project proposals and knowledge of Sacramento River watershed issues and water quality issues.

Rhonda Reed, Department of Fish and Game

No biography available

Panel B

Ed Cheslak, Ph.D., LFR Levine-Fricke

More than 26 years of experience in conducting, directing, analyzing, and evaluating applied ecological studies, experiments, and environmental assessments in streams, lakes, riparian corridors, wetlands, estuaries, and watersheds. Experience includes evaluating the effects of land use/management changes, nonpoint discharges, flow modifications, and habitat modifications on stream water quality, aquatic invertebrates, fisheries, wetland, and riparian communities. Also directed several watershed analysis and CEQA/NEPA documentation projects.

Rick Breeze-Martin, Sierra Nevada Alliance Board Member Central Sierra Watershed Coalition Board Member

Works with rural communities in strategic planning, implementation and program evaluation with Board of Directors of both public and nonprofit organizations. Also worked with numerous watershed groups and is a member of the Prop. 204 SWRCB Delta Tributary Watershed Advisory Committee.

Dale Hoffman-Floerke, Department of Water Resources

Environmental program manager for DWR, and the action team chairperson for the San Joaquin River Management Program.

Sam Ziegler, U.S. Environmental Protection Agency

Works with local watershed groups and reviewing project proposals and knowledge of nonpoint source water quality issues.

Water Quality Panel

Panel A

Chris Foe, Central Valley Regional Water Quality Control Board

Ph.D. from U.C. Davis in aquatic ecology with an emphasis on estuarine processes. Worked at the Central Valley Regional Water Quality Control Board since 1987 in a special studies section. Major work emphasis has been on using bioassays to determine impact of dissolved contaminants on aquatic life. Author of several reports on pesticide off-site management.

Joe Karkoski, Environmental Protection Agency

Worked on state-wide and Central Valley water quality issues for the last seven years, including four years on a detail to the Central Valley RWQCB working on agricultural drainage issues in the San Joaquin Valley. Currently serves as EPA's California TMDL coordinator and EPA's representative in the Sacramento River Watershed Program.

Jim Oster, Consultant, UC Riverside

Over 35 years of experience and expertise on the effects of salts on soils and plants and related irrigation management issues. Statewide soil and water specialist for UC Cooperative Extension and an adjunct professor for the University of California at Riverside. Masters and Ph.D. from Purdue University in soil chemistry and a B.S. from N. Dakota State University in soil science.

Joseph L. Domagalski, U. S. Geological Survey

U.S. Geological Survey since 1988. Worked on various water quality projects involving pesticides and trace metals including mercury in the Central Valley of California and San Francisco Bay during that time. Currently, Project Chief of the Sacramento River Basin National Water Quality Assessment Program.

Panel B

Alan Mearns, National Oceanic and Atmospheric Administration

No biography available

Valerie Connor, Central Valley Regional Water Quality Control Board

B.S., M.S. and Ph.D. in Biology. worked as an Environmental Specialist with the CVRWQCB since 1988, focusing on toxicity in surface waters. Coordinated the Sacramento River Watershed Program since 1995.

Jeffrey Janik, Department of Water Resources

More than 20 years of experience in water quality gained from working in consulting, academia, and federal and state government. Ph.D. in Limnology. Work at DWR has focused on water quality issues of the State Water Project.

Carol Presley, Santa Clara Valley Water District

B.S. in chemistry and a M.S. in environmental engineering with an emphasis on water quality and related biological sciences. Registered civil engineer and certified professional in erosion and sediment control. Worked with the Santa Clara Valley Water District for eight years on a variety of water quality issues including the investigation of soils, groundwater and surface waters for contaminants, bacteriologic studies of creeks, stormwater pollution prevention, and erosion and sediment control in riparian zones. Worked for three years at an environmental consulting firm which included field management of the Phase I environmental assessment of Fort Ord, CA.

K. T. Shum, Contra Costa Water District

Graduate degrees in fluid mechanics and wave mechanics from the Massachusetts Institute of Technology. Over 15 years of experience in scientific research on the flow and transport in the aquatic environment. Author of research papers on the exchange processes at the water-sediment interface were published in the *Journal of Geophysical Research*, *Journal of Fluid Mechanics*, and *Marine Chemistry*. Currently Senior Water Resources Specialist at the Contra Costa Water District, and has worked extensively on analyzing the impacts on drinking water quality due to a large variety of proposed projects in the Sacramento-San Joaquin Delta.

Introduced Species Panel

Lars W.J. Anderson, Ph.D.

Lead Scientist, USDA-ARS
Exotic and Invasive Weed Research Unit
Aquatic Weed Research Laboratory

Ph.D. from the University of California, Santa Barbara in Biology/Plant Physiology. Plant physiologist since 1974 and is currently the Plant Physiologist and Lead Scientist for the Exotic and Invasive Research Unit at the Aquatic Weed Research Laboratory at UC Davis. Research includes biology, ecology and management of aquatic weeds, with particular focus on reproduction and invasiveness of exotic species.

Nathan Dechoretz - California Department of Food and Agriculture

30 years working in the field of aquatic weed control. From 1967 to 1987, managed and conducted research at the USDA Aquatic Weed Control Research Laboratory in Davis, CA. Since 1987, he has served as Program Supervisor for the Weed and Vertebrate Control, Hydrilla Eradication and Biological Control Programs, and the Weed Information, Mapping, and GIS Project at the CDFA.

Jim Orsi - California Department of Fish and Game

Project leader for the Neomysis/Zooplankton project since 1972 and has published 11 peer-reviewed papers on mysids and zooplankton and two IEP technical reports. Member of the Estuarine Ecology (Project Work) Team of the Interagency Ecological Program since its inception.

Debra Ayres

Bachelor's degree in Botany from UC Berkeley in 1976 and a Master's degree in Biology from the University of Oregon. Research associate in the Botany Department at UC Davis then returned to graduate school at UC Davis, where she studied the clonal and population biology of a rare chaparral daisy, and received a PhD in Ecology in 1997. Worked in the Spartina lab of Don Strong combining molecular biology with field and greenhouse observations to understand a hybridization phenomena occurring in the marshes of San Francisco Bay between a native and an introduced cordgrass.

Jan Thompson, USGS

USGS Biologist since 1972. Worked on the bay and lower delta since 1972 looking at the benthic community and how it influences and is influenced by the ecosystem. Core research areas include dynamics of an introduced benthic community on south bay mudflat (15 year study) and secondary production of benthic communities in north and south bay and where this integrates with carbon flow through the ecosystem.

Kim Webb, Fish and Wildlife Service

U. S. Fish and Wildlife Service, Sacramento-San Joaquin Fisheries Resource Office Fisheries Biologist since 1994. Currently heading CALFED's Nonnative Invasive Species Program. Previous project work included Juvenile salmon monitoring, investigation, analysis and reporting work as part of Interagency Ecological Program and USFWS Regional Aquatic Nuisance Species (ANS) Coordinator (1996-1998).

Improved Fish Management and Hatchery Operations Panel

Joe Miyamoto - East Bay Municipal Utility District Fisheries and Wildlife Division

BS Degree in Environmental Biology from CSU, Fresno and MS Degree in Fisheries from Humboldt State University; two seasons as port sampler of the ocean salmon fishery for CDFG, Ten years experience as senior biologist in tribal hatchery and harvest management in Puget Sound, Washington; Division Manager of Fisheries and Wildlife for East Bay Municipal Utility District since 1979; Chair of the Mokelumne River Technical Advisory Committee; Chaired CALFED DEFT subcommittee on harvest management in 1998.

Dan Viele, National Marine Fisheries Service

NMFS Southwest Region, develops ocean harvest standards under the ESA for protecting listed California salmon stocks and participates in the Pacific Fishery Management Council ocean salmon management process. Active in designing and implementing research fisheries off California that utilize genetic stock identification to assess harvest impacts of stocks of concern.

Felix Smith

Worked for the Fish and Wildlife Service for 34 years at several locations with experience in estuarine and coastal zone planning and management of anadromous fishes. Conducted investigations and prepared reports on a multitude of coastal and inland water development and use projects in California, Oregon and Washington. Since retiring from the Fish and Wildlife Service in August of 1990, has provided consulting services to selected non-profit groups regarding the impacts of water development projects and water use activities on wildlife, fish, water quality and other interests protected by the public trust. He serves on the board of directors of Save the American River Association and the Bay Institute of San Francisco.

John Williams

Hydrologist with extensive experience in salmon biology. Works as a private consultant conducting geomorphic studies on spring run streams, and streamflow projects.

Environmental Education Panel

Kay Antunez - CA Department of Forestry Project Learning Tree

MS, BS in Biological Sciences (CalPoly-SLO). Taught biology, botany and environmental sciences (grades 3-14) in California, Honduras and Peru for 15 years prior to joining the California Department of Forestry and Fire Protection as the coordinator of Project Learning Tree in 1988. Professional interests include secondary-, adult-, and community educational strategies and leadership development and environmental education outreach to multicultural and under-served audiences. Actively involved in national and state level projects to advance environmental education.

Ann Westling - US Forest Service

Bio not available

Joan Hemsted - Education-Outreach Director, Deer Creek Watershed Conservancy

Education-Outreach Director for the Deer Creek Watershed Conservancy and is a CA credentialed teacher. Taught and participated in the International Institute for Education Through the Arts and has taught with professors at Cal State University, Chico. Involved in Ag in the Classroom programs in Washington D.C. and Sacramento as well as the California Guide to Environmental Literacy Project and the California Ecosystems Education Project with the focus on integrating environmental-science concepts into the state's curriculum.

Marilyn Gamette - Fish and Wildlife Service Environmental Education Specialist

Interpretive Specialist at the Sacramento National Wildlife Refuge in Willows, CA. The interpretive program includes a comprehensive environmental education program for over 4,000 students in northern California schools, many other public use programs, and the Earth Stewards program. Collaborated on two Science/Math California Dept. of Ed. Grants and started the Environmental Outdoor Education program for Chico Unified Schools that serves over 1,000 sixth grade students each school year. Marilyn earned her BA and a General California Teaching Credential from California State University, Chico.

Julie Tupper, US Forest Service

Review of Agency Administrative Draft - Impact Analysis Document and the Multi Species Conservation Strategy. Led Environmental Education Review Panel for 1998 CALFED proposal review process.