

Our Actions: Our Estuary
9th Biennial State of the San Francisco Estuary Conference

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Dr. Robert Abbott is a graduate of the University of Washington, School of Fisheries. He has an extensive background in fisheries research, international fisheries development issues and aquaculture. His present research interests include habitat restoration, aquatic bioacoustics, aquatic risk assessment and pile driving mitigation. He is a Principal Consultant at ENVIRON International Corporation in Emeryville, CA.

Peter Baye is a coastal plant ecologist with 30 years professional experience in conservation and management of coastal vegetation. He received his Ph.D. from the University of Western Ontario, Department of Plant Sciences, Canada, in 1990. Peter performed environmental analysis for NEPA, CWA, and ESA compliance at the U.S. Army Corps of Engineers, San Francisco District (1991-1997), and prepared recovery plans and Section 7 consultations U.S. Fish and Wildlife Service, Sacramento (1997-2002). He currently works as an independent applied ecologist providing technical support for coastal vegetation and habitat restoration projects, endangered species recovery projects in the central California coast region.

William Bennett is an Associate Researcher at the University of California- Davis, John Muir Institute of the Environment. His research involves the ecology of fishes, primarily in estuarine and marine systems. His has focused primarily on understanding the population dynamics of fishes in the San Francisco Estuary and the near-shore marine environments in California. This work involves statistical analyses of historical data, and field investigations to understand the influences of exotic species, hydrodynamics, exposure to pollutants, and climate change on fish year-class success and population abundance. He has worked extensively with the Interagency Ecological Program and CALFED to investigate the delta smelt and striped bass populations in the San Francisco Estuary, the Pacific Estuarine Ecosystem Indicator Research Consortium focusing on tidal-marsh goby populations, as well as working to understand the relative influences of fishing intensity and climate change on the near-shore rockfish fishery.

Phil Bobel is the Environmental Compliance Division Manager for the City of Palo Alto, focusing on water pollution prevention. Mr. Bobel has been with Palo Alto for 20 years working on industrial, commercial and residential pollutant sources of contamination to the sewer system, the storm drain system and natural waters. Before that, he worked in air, water, waste and pesticide programs at the U.S. EPA in San Francisco. Mr. Bobel holds Masters degrees in Environmental Engineering and Public Policy from Stanford and Cornell universities, respectively; and is a registered Professional Engineer.

John Bourgeois is a senior restoration ecologist for H. T. Harvey & Associates with experience in a wide array of estuaries, including San Francisco Bay, the Gulf of Mexico, and mangrove swamps in the western Pacific. At H. T. Harvey & Associates, John has been project manager on over 200 projects, including the South Bay Salt Pond Restoration project, the Bair Island Restoration project, extensive marsh mapping in the South Bay for the City of San Jose, the Alameda Flood Control Channel experimental

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dredging project, the Consolidated Biological Mitigation Program for Santa Clara Valley Transportation Authority, as well as urban flood control and enhancement projects such as the Lower Silver Creek project. John is also very active in his local community and currently serves on the Planning Commission and General Plan Committee for the Town of Los Gatos.

Dr. Katharyn Boyer is Associate Professor of Biology at San Francisco State University's Romberg Tiburon Center. Her research is focused on the ecology and restoration of coastal habitats, primarily salt marshes and seagrass beds. She is particularly interested in how species interact to structure their environments and influence fundamental ecosystem processes. Her work includes comparisons of functioning (e.g., trophic interactions, nutrient dynamics) of natural and restored habitats, development and experimental testing of restoration techniques and nutrient pollution indicators, evaluation of the effects of biodiversity, and assessment and prediction of invasive species effects on native communities.

Dr. Bryan Brooks is Associate Professor of Environmental Science and Director of the Environmental Health Science Program at Baylor University, Waco, Texas. He holds a Ph.D. in environmental science (aquatic toxicology emphasis) from the University of North Texas, and a M.S. and a B.S. in biology from the University of Mississippi. Dr. Brooks' research often examines the environmental fate and hazards of stressors (e.g., pharmaceuticals and personal care products (PPCPs), endocrine active compounds, harmful algal toxins, nutrients) associated with land use and climatological gradients in rapidly urbanizing regions. He serves on the steering committee for the Society of Environmental Toxicology and Chemistry's (SETAC) Pharmaceuticals Advisory Group. Dr. Brooks is also serving as guest editor for a special issue of Environmental Toxicology of Chemistry entitled "PPCPs in the Environment," which will appear in December 2009. He is Program Co-Chair for the 30th Annual SETAC meeting in New Orleans, November 2009 (neworleans.setac.org).

John Brosnan is Sonoma Land Trust's Baylands Project Manager and oversees public involvement, property stewardship and wetland restoration planning on the 2,327-acre Sears Point Restoration Project. Before coming to the Land Trust, he served as the founding program coordinator for the San Francisco Bay Area Wetlands Restoration Program, a collaborative program among 18 federal, state and local agencies working together on improving regional wetlands restoration policy, design and monitoring. John's also done a wide variety of private environmental consulting, working with clients from Yosemite National Park to Ford Motor Company. John has a bachelor's degree from the University of Michigan.

Larry R. Brown is a Research Biologist with the U.S. Geological Survey, California Water Science Center. Dr. Brown has over 25 years experience working in California aquatic systems. He is a recognized expert on the ecology of California fishes and has published on California fishes, benthic macroinvertebrates and benthic algae. Dr. Brown

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is currently involved in studies of the effects of urbanization on stream systems across the United States, modeling of responses of stream macroinvertebrate communities to land use changes, the effects of climate change on selected fish species in the Central Valley watershed and San Francisco Estuary, and factors associated with declines in pelagic fish populations of the San Francisco Estuary. In the course of his work, Dr. Brown has authored or coauthored over 50 scientific articles and reports.

John Callaway is a professor in the Department of Environmental Science at the University of San Francisco, where he also coordinates the graduate program in Environmental Management. He is an ecologist with expertise in wetland plants and soils, focusing primarily on restoration issues for tidal wetlands. Previously he was the Associate Director of the Pacific Estuarine Research Laboratory (PERL) at San Diego State University. John received a Ph.D. in Oceanography and Coastal Sciences from Louisiana State University in 1994.

Jim Cloern is a senior research scientist at the U.S. Geological Survey where he has worked since 1976. His research is focused on the ecology and biogeochemistry of estuaries and lakes, geared to understanding how they function as ecosystems. He leads a team investigation of San Francisco Bay that has included study of primary production, algal and zooplankton community dynamics, ecosystem metabolism and food web dynamics, disturbance by introduced species, impacts of climatic/hydrologic variability, nutrient regeneration, Bay-Ocean connectivity, ecosystem restoration, and ecological variability at time scales from hours to decades. Jim has been a Fulbright Research Scholar at the Centre d'Océanologie de Marseille where he first discovered Cotes du Rhone, mentored 11 postdoctoral scientists and 19 graduate students from 6 countries, taught scientific writing at the Université de Bretagne Occidentale, is Consulting Professor (Civil Engineering) at Stanford University and Co-Editor of *Estuaries and Coasts*.

Heather Cooley is Senior Research Associate with the Pacific Institute's Water Program. Ms. Cooley's research addresses the connections between water and energy, sustainable water use and management, and the hydrologic impacts of climate change. Ms. Cooley holds a B.S. in Molecular Environmental Biology from University of California, Berkeley and an M.S. in Energy and Resources from UC Berkeley. Prior to coming to the Pacific Institute, Ms. Cooley worked at Lawrence Berkeley Laboratory studying climate and land use change, and carbon cycling. Ms. Cooley is one of the authors of *The Impacts of Sea-Level Rise on the California Coast* (March 2009).

Caitlin Cornwall has been with the Sonoma Ecology Center since 1998. She is a native of Sonoma County, and has a bachelor's degree in biology (UC Berkeley) and a master's degree in plant biology (Arizona State University). Her technical background includes wetland and riparian ecology, management, and restoration, with an emphasis on the effects of land use on natural ecosystems. Since joining SEC, her scope has broadened to include watershed planning, terrestrial habitat connectivity, salmonid recovery,

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partnership building, community-based conservation strategy, and managing a growing non-profit.

Dr. Steve Crooks is a Senior Wetland Scientist /Geomorphologist. He joined PWA in 2004 after 12 years working on the science and policy of wetlands restoration in Europe. He has devoted his career to capacity building and decision support to meet the challenges of climate change through ecosystem restoration and wise management of wetlands. At PWA Steve directs activity across the company related to integration of wetland management into climate change planning. Typical projects include wetland restoration design, geomorphic assessments of landscape response to sea level rise, climate change adaptation planning, and development of a national greenhouse gas offset protocol for wetland restoration projects.

Professor Cliff Dahm is currently the Lead Scientist for the CALFED Science Program in Sacramento, California. Dr. Dahm is an ecosystem ecologist with expertise in restoration ecology, biogeochemistry, microbial ecology, hydrology, climatology and aquatic ecology. He is presently on loan to the US Geological Survey from the University of New Mexico (UNM), where he is a professor in the Department of Biology. He emphasizes interdisciplinary approaches required for understanding aquatic ecosystems. He has served as interim director for the Sevilleta Long-Term Ecological Research (LTER) Program at the Sevilleta National Wildlife Refuge in central New Mexico, director for the Freshwater Sciences Interdisciplinary Doctoral Program at UNM and is currently a member of the Science Steering Group for the Global Water Budget Program of the U.S. Global Change Research Program. He has served as a program director for the Division of Environmental Biology of the National Science Foundation and was awarded the NSF's Director's Award for Program Management Excellence.

Margaret Davidson is director of the NOAA Coastal Services Center. Before joining NOAA, Margaret A. Davidson was executive director of the South Carolina Sea Grant Consortium from 1983 to 1995. She also served as special counsel and assistant attorney general for the Louisiana Department of Justice. An active participant in coastal resource management issues since 1978, Davidson earned her juris doctorate (J.D. degree) in natural resources law from Louisiana State University. She later earned a master's degree in marine policy and resource economics from the University of Rhode Island. Davidson holds a faculty appointment at the University of Charleston and serves on the adjunct faculties of Clemson University and the University of South Carolina. She has served on numerous local, state, and federal committees and has provided leadership for national professional societies. She has focused her professional work on environmentally sustainable aquaculture, mitigation of coastal hazards, and impacts of climate variability on coastal resources.

Jill Bluso Demers is the Executive Director of the San Francisco Bay Bird Observatory. Jill is trained as an avian ecologist, and her research focuses on reproductive, spatial, and foraging ecology of waterbirds in the San Francisco Bay Estuary. Jill is currently a

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member of the South Bay Salt Pond Restoration Project Science Team and received her M.S. in Natural Resources/Wildlife from Humboldt State University.

Dr. Peter Downs is the lead fluvial geomorphologist at Stillwater Sciences with 20 years expertise in the field of watershed-scale effects on sediment transport processes, channel morphological response and river restoration. He has technical expertise in both rapid and extensive geomorphic assessments, sediment budget assessment, river restoration design and planning within an adaptive management framework, post-project monitoring and evaluation, and integrated watershed planning. Dr. Downs has managed large watershed-scale and smaller river reach projects in a variety of river habitats in the US, UK and New Zealand and with differing management objectives including river channel conservation, fisheries improvement, riparian habitat restoration, flood control and channel stability. He is lead author *River Channel Management: towards sustainable catchment hydrosystems* (2004), the first book devoted specifically to the history and recent developments in management and restoration of river channels, and was granted the status of Chartered Geographer (Geomorphology) by peers of the UK's Royal Geographical Society in 2005.

Marilee Eckert has a M.A. in Counseling Psychology and over 20 years experience in program development and management for various non-profit agencies. Marilee has been the Executive Director of the Conservation Corps North Bay since 1992. Previously she directed an employment training, job placement and career guidance program for youth in Oakland for six years. Additionally she has been a classroom teacher, managed university student affairs programs, and directed residential camps. Marilee has served for the past 12 years as a Board Member including two years as Board Chair of The Corps Network (a national association) and is an executive member of the California Association of Local Conservation Corps. She serves on the Marin County Economic Commission (Chair 2007-09) and the Marin County Disaster Council.

Matt Fabry serves as Program Coordinator for the San Mateo Countywide Water Pollution Prevention Program, a program of the City/County Association of Governments of San Mateo County. The Countywide Program assists municipalities with stormwater management issues of a regional nature. Matt also chairs the Countywide Program's New Development Subcommittee and helped create the Program's Sustainable Green Streets and Parking Lots program. In addition to his role as Countywide Program Coordinator, Matt also works as an engineer in the public works department for the City of Brisbane managing sanitary sewer and stormwater issues. Matt previously worked for the Central Coast Regional Water Quality Control Board and an environmental consulting firm. He has over 15 years of experience in the water quality and stormwater fields and is a registered civil engineer.

William E. Fleenor, Ph.D., is a Researcher in the Civil and Environmental Engineering Department at the University of California, Davis. His academic career began with as a Post-Doctoral fellow in the Civil and Environmental Engineering Department before receiving an academic federation appointment in that department. Dr. Fleenor has been

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involved with various hydrodynamic and water quality research projects within the Delta and is a co-author on the 2007 UC Davis-Public Policy Institute of California report, "Envisioning Futures for the Sacramento-San Joaquin Delta," and the 2008 "Comparing Futures of the Sacramento-San Joaquin Delta." His primary research interests involve hydrodynamic mixing in lakes, rivers, and estuaries as it relates to water quality in natural and engineered systems. He is the founding faculty adviser for Engineers Without Borders and spends his vacations in developing countries with UC Davis students working on water, hygiene and sanitation projects.

Brenda Goeden is the Dredging Program Manager at the San Francisco Bay Conservation and Development Commission and has worked on dredging, sand mining, beneficial reuse and wetland restoration through the LTMS Program for last nine years.

Miriam Gordon is the California Director of Clean Water Action. Previously, Miriam was an environmental advocate, a US EPA Superfund attorney, and for many years, worked in local, state and federal agencies on pollution prevention programs and non-point source pollution education.

Letitia Grenier leads the Conservation Biology Program at the San Francisco Estuary Institute. She is interested in developing regional and landscape approaches to conserving wildlife, with an eye toward future changes in the Bay Area. Dr. Grenier has been working in the tidal marshes of the San Francisco Bay estuary since 1999. She received her Ph.D. from the Environmental Science, Policy and Management Department at UC Berkeley, focusing on vertebrate conservation biology and specializing in tidal marsh animal ecology. Her past research has included tidal marsh food web structure, differentiation and adaptations of tidal marsh vertebrates, and how the tidal gradient structures the ecology of marsh sparrows. Currently, she continues to study wetlands ecology and the bioaccumulation of contaminants in estuarine food webs, particularly mercury in tidal marsh animals. Dr. Grenier has developed protocols for using biosentinel species for mercury accumulation to inform decision-making for tidal marsh restoration projects.

Robin Grossinger is a scientist at the San Francisco Estuary Institute, where he directs the Historical Ecology Program. For the past 15 years, he has studied how landscapes of the Bay Area and California coast have changed since European contact. Recent projects have included contributing to a special issue on historical ecology for the journal *Landscape Ecology* and a segment on these topics for the KQED TV science program QUEST. Current areas of focus include the Sacramento-San Joaquin Delta, Southern California coastal wetlands, Alameda Creek, East Contra Costa County, and the Napa Valley Historical Ecology Atlas, to be published by University of California Press.

Michael Grunwald has been a senior national correspondent for Time Magazine since June 2007. He has won the George Polk Award for national reporting, the Worth Bingham Prize for investigative reporting, the Society of Environmental Journalists

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award for in-depth reporting, and numerous other journalism honors. At Time, he has received the Understanding Government Foundation's first-ever preventive journalism award for his reporting on Hurricane Katrina and the Army Corps of Engineers, as well as the Deadline Club's environmental reporting award for his investigation into biofuels. After graduating from Harvard College in 1992, Mike worked at The Boston Globe as a local reporter and then a national reporter. In July 1998, he joined the national staff of The Washington Post, where he served as a Justice Department reporter, New York bureau chief, congressional correspondent, investigative reporter, and Outlook writer. In 2006, Simon & Schuster published Mike's widely acclaimed first book, *The Swamp: The Everglades, Florida, and the Politics of Paradise*, which received the gold medal for non-fiction at the Florida Book Awards. It was praised as "terrific" (The New York Times), "brilliant" (The Washington Post), "marvelous" (The Palm Beach Post) and "epic" (The New Yorker); it received a rare trifecta of starred reviews from Publishers Weekly, Booklist and Kirkus. Mike also wrote the afterword for the 60th anniversary edition of *The Everglades: River of Grass*, by the late Marjory Stoneman Douglas. Mike has also contributed to The New Republic, Slate, The Washington Monthly and Foreign Policy magazines; he has appeared on MSNBC, CNN, PBS, NPR and many other media outlets.

Ellen Hanak is senior fellow and director of research at the Public Policy Institute of California, where she holds the Thomas C. Sutton chair in policy research. Her career has focused on the economics of natural resource management and agricultural development. At PPIC, she has launched a research program on water policy and has published reports and articles on water marketing, water and land use planning, water conservation, and management of the Sacramento-San Joaquin Delta. Other areas of expertise include infrastructure finance and climate change. Before joining PPIC in 2001, she held positions with the French agricultural research system, the President's Council of Economic Advisers, and the World Bank. She holds a Ph.D. in economics from the University of Maryland.

James M. Haussener has over thirty years of experience in the California maritime industry, where he has been the Harbor Master for the Cities of San Leandro and Vallejo, as well as, Assistant Harbor Master for Pillar Point Harbor and Harbor Patrol Officer for the City of San Mateo. Currently, he is Executive Director to the California Marine Affairs and Navigation Conference (C-MANC), the trade association that represents the objectives of California's ports, harbors and marinas. C-MANC was formed to coordinate, through voluntary participation of public and private agencies and organizations, the maximum efficient planning and development of California's navigable channels, harbors, waterways and coastal resources. He served on the Policy Review Committee for the Long Term Management Strategy for Dredged Material (LTMS). Currently he is on the Board of Directors of the National Waterways Conference and is Past Commodore of the Spinnaker Yacht Club. Haussener is the Past President of both the California Association of Harbor Masters and Port Captains and the California Marine Parks and Harbors Association.

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Dale Hopkins is an environmental specialist who has worked at the San Francisco Bay Water Board for 20 years. She is currently the Watershed Management Coordinator at the Board where she works on watershed issues within the Board and with outside partners and watershed groups. She has helped to organize the Bay Area Watershed Network (BAWN) meetings and workgroups since BAWN's inception in late 2006.

Beth Huning has been the Coordinator of the San Francisco Bay Joint Venture since late 2001. With more than 25 years of experience working on wetland issues and projects on the Bay, she now focuses on working collaboratively with project and land managers, scientists, and agency staff to build partnerships for the protection, restoration, and enhancement of wetland and adjacent upland habitats as well as coordinating planning and tracking progress toward habitat goals. Prior to taking on the role as Coordinator, she was involved with the establishment of the Joint Venture representative of the National Audubon Society. During that time she served a term as Joint Venture Chair and also chaired the Joint Venture Public Affairs Committee. Other professional roles have included the executive director of Adopt-A-Watershed where she led that organization through strategic planning. While with National Audubon Society, she managed a couple of different education and conservation programs including directing Richardson Bay Audubon Center & Sanctuary and representing Audubon on wetlands and conservation issues.

Lana Husser is the Multimedia Director for EarthTeam, Environmental Network for the support of teens and teachers around the SF Bay Area. As a teacher with 25 years experience in urban high schools, Lana chose multimedia as the tool to motivate and inspire teens. EarthTeam's MultiMedia projects now include a half-hour television program, by and for teens, airing on 11 local stations around the Bay; an online news magazine which features students Visuals and Voices, and a YouTube channel of video shorts, highlighting teens in action, impacting their communities and local environments.

Jakada Imani became Ella Baker Center's Executive Director in 2007, after serving as a lead strategist and chief team member on some of Ella Baker Center's most high profile campaigns for eight years. Most recently, Jakada directed Books Not Bars, taking the ongoing campaign to replace California's abusive youth prisons with effective rehabilitation programs to ever-increasing heights. Before that, Jakada helped lead the successful "Stop the Super Jail Campaign," a two-year effort to stop Alameda County from building a massive, expensive and remote juvenile hall that it didn't need. He was a leader in the "Justice for Moreno and Pacheco Campaign," the successful fight to free two wrongly convicted Latino boys in Solano County. And he ran Ella Baker Center's youth organizing project, Third Eye Movement, during the "No on 21" campaign to educate voters about the dangers of Proposition 21, a draconian ballot measure aimed at putting 14-year-olds in adult courts and 16-year-olds in adult prisons. Before joining Ella Baker Center staff, Jakada was a Constituent Liaison for Oakland City Councilwoman Nancy Nadel. He helped launch or lead a number of important Bay Area organizations,

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including Empowered Youth Educating Society (EYES), Rising Youth for Social Equality (RYSE) and Underground Railroad (an artist collective).

Lisa P. Jackson. As EPA's Administrator, Lisa P. Jackson leads a staff of approximately 18,000 professionals dedicated to protecting the public health and environment of all Americans. She was nominated to lead the Agency by President Barack Obama on December 15, 2008 and confirmed by the Senate on January 23, 2009. She is the first African American to serve in that position. Administrator Jackson lists among her priorities reducing greenhouse gas emissions, improving air quality, managing chemical risks, cleaning up hazardous waste sites, and protecting America's water.

Rosey Jencks leads the newly formed Urban Watershed Management and Stormwater Planning Program at the San Francisco Public Utilities Commission where she works to integrate stormwater management and other water sensitive policies and designs into San Francisco's landscape. Rosey has a master's degree in Landscape Architecture and Environmental Planning from UC Berkeley. She has worked as a planning consultant to San Francisco's Recreation and Park Department and the Department of Public Works. Rosey has also worked at the San Francisco Urban and Planning Research Association (SPUR), the San Francisco Neighborhood Parks Council and as a consultant to Urban Ecology. After college she completed a year of community service with AmeriCorps restoring creeks and building gardens in the East Bay. She was a co-founder of the San Francisco Green Schoolyard Alliance and is has focused on urban greening in all her work. In 2005, Rosey received UC Berkeley's Geraldine Knight Scott Award, which allowed her to complete a seven-country tour looking at examples of multi-purpose stormwater management.

Jaime Jahncke is the Marine Ecology Director at PRBO Conservation Science, a non-profit dedicated to conserving birds, other wildlife and their ecosystems through innovative scientific research and outreach. He completed his doctorate at the University of California, Irvine. His doctoral dissertation focused on how physical processes associated with coastal waters affect the abundance and distribution of marine birds in Peru and Alaska. Jaime's research interests include the influence of physical-biological processes on predator-prey interactions and the effects of climate change on trophic relationships at multiple spatial and temporal scales in the marine environment. His research with PRBO focuses on the physical-biological interactions among the oceanography of the Gulf of the Farallones-Cordell Bank region and the abundance and distribution of top predators. This project will contribute to a better understanding of food web dynamics, identify predictable hotspots, and improve ocean zoning in support of Ecosystem Based Management in the region. He is currently the Alternate Research Chair of the Cordell Bank Sanctuary Advisory Council.

Jerry Kay has served as the Publisher of the Environmental News Network, Host of EarthNews for CBS radio nationally, Host of Beyond Organic on Sirius Satellite Radio, Public Affairs Director at KFRC Radio and Chaired the Department of Educational

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Media at the California Academy of Sciences. He was part of the Peabody Award winning staff at KCBS which received the award for coverage of the Loma Prieta Earthquake. Jerry is the recipient of the Harold Gilliam Award for Excellence in Environmental Reporting from the Bay Institute. Jerry is co-founder of Media Interchange and co-owner of Kay Productions.

Judy Kelly is the Director of the San Francisco Estuary Partnership. Her career in water and resource management spans 25 years and includes assisting various state and U.S. Territory coastal programs for NOAA in Washington, D.C., working to set Bay-Delta water quality standards while at the U.S. EPA Region 9, and helping to develop a regional monitoring program for the S.F. Regional Water Quality Control Board. While at EPA, she was also involved in the early development of the San Francisco Estuary Project. In Sacramento, she was Deputy Director for the CALFED Bay-Delta program and also appointed to serve as a Bay Conservation and Development Commissioner from 1995 to 1999. She has worked at a private water company, a non-profit organization, and a major financial services corporation. She graduated from U.C. Berkeley, and has an M.S. from Oregon State University in Water Resources and Geography.

Susan Klosterhaus is an Environmental Scientist at the San Francisco Estuary Institute where she primarily works on organic chemical contaminant projects for the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP). Susan earned her Ph.D. from the University of Maryland in environmental chemistry studying the bioavailability of PBDEs and other organic chemical contaminants from sediments and the processes that control their accumulation in aquatic food webs. Prior to moving to the Chesapeake Bay area, Susan was manager and research associate in the sediment ecotoxicology laboratory at the University of South Carolina School of Public Health where she studied the toxicity and bioaccumulation of several classes of chemical contaminants in benthic organisms.

Marilyn Latta is a marine biologist and restoration ecologist who has been working in estuarine habitat restoration and planning for fourteen years in San Francisco Bay and on the California Coast. She holds a double degree in Marine Biology and Zoology from Humboldt State University, and has worked for multiple marine education and policy organizations, including the Catalina Island Marine Institute, The Watershed Project, Headlands Institute, The Ocean Conservancy, and Save The Bay. She has developed multiple successful community-based restoration projects in San Francisco Bay that have involved thousands of community volunteers and students in the restoration and monitoring of tidal wetlands, native oyster and eelgrass beds, and salt ponds. She now works for the State Coastal Conservancy managing the San Francisco Bay Subtidal Habitat Goals Project.

Steve Lawton is the City of Hercules' Economic Development Director, responsible for encouraging smart industrial and retail growth. Previously, as Community Development Director, he oversaw the Planning, Engineering and Building Inspection functions.

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Hercules is now cited as a leading example of municipal smart-growth administration in California. Earlier, as Chair of the Planning Commission, Mr. Lawton led the effort to create the Central Hercules Plan, which became the first form-based zoning code to be adopted into the law of a California city. From 1982 through 2000, Mr. Lawton held management consulting and business development positions with private and public firms providing systems engineering, technology and business innovation services to global corporations. Mr. Lawton earned a BA degree in Economics from the University of California, Berkeley in 1976. He is an Organizer of the Northern California Chapter of the Congress for the New Urbanism. He is President of the Contra Costa County Historical Society and Chair of the Historic Landmarks Advisory Committee for the Supervisors of Contra Costa County.

Roger Leventhal, P.E is a hydrologist and hydraulic engineer specializing in the analysis, design and implementation of urban creek restoration projects. As principal of his own firm, Mr. Leventhal has over 22 years of experience designing, permitting and implementing creek and wetlands restoration projects throughout California. He has developed particular expertise in applying the geomorphic approach to creek restoration design and then using more traditional computer modeling to analyze these designs for impacts. He often works closely with building and landscape architects to consider new approaches to site development that provide for protection of creeks through low impact stormwater design and to understand the long-term consequences of improper site development. Mr. Leventhal is an appointed as a member of the Bay Conservation and Development Commission Design Review Board primarily to provide guidance on engineering design and construction in ecologically sensitive areas around the San Francisco Bay margin.

David Lewis has served as Executive Director of Save The Bay since 1998. A native of the Bay Area, he previously organized legislative and issue campaigns for 14 years from Washington, DC. David was Senior Legislative Assistant for U.S. Senator Carl Levin and Chief Operations Officer for the League of Conservation Voters. He was born and raised in Palo Alto and holds a B.A. in Politics and American Studies from Princeton University.

Steve Lindley is a Supervisory Research Ecologist for the National Marine Fisheries Service. He holds a PhD from Duke University and received BA from UCSB.

Tom Liptan is a registered Landscape Architect and Environmental Specialist for the City of Portland, OR, Bureau of Environmental Services, Sustainable Stormwater Management Program. He has been the impetus behind the research and development of new urban design techniques, codes and policies in the city, the success and recognition of which has spread internationally. Tom has lectured at conferences in Sweden, Denmark, England, New Zealand and many cities throughout North America. He has assisted numerous municipalities, developers, consultants, multi-state corporations and government agencies with acceptance of ecoroofs and other landscape approaches used for stormwater management and healthy city development. His work has been recognized

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in various media, and he has received numerous awards. He is contributor to *Handbook of Water Sensitive Planning and Design*, Robert France ed. (Lewis Publishers 2002) and *Green Roofs, Ecological Design and Construction*, Earth Pledge, Siena Chrisman, ed. (Schiffer Publishing Ltd. 2005).

Jay Lund is Director of the Center for Watershed Sciences and Ray B. Krone Professor of Environmental Engineering at the University of California, Davis. He specializes in the management of water and environmental systems. His activities have included system optimization studies for California, the Columbia River, the Missouri River, and other systems, including studies of climate change adaptation, water marketing, water conservation, water utility planning, flood management, and reservoir operations. He was on the Advisory Committee for the 1998 and 2005 California Water Plan Updates, is a former President of the Universities Council on Water Resources (UCOWR), Convenor of the California Water and Environment Modeling Forum (CWEMF), and Editor of the *Journal of Water Resources Planning and Management*, and is author or co-author of over 200 publications. He was a lead author of *Envisioning Futures for the Sacramento-San Joaquin Delta* and *Comparing Futures for the Sacramento-San Joaquin Delta*.

Dr. Samuel N. Luoma is a researcher in the John Muir Institute of the Environment, University of California, Davis; Emeritus Senior Scientist with the US Geological Survey, and a Scientific Associate with The Natural History Museum in London, UK. He is Editor-in-Chief of *San Francisco Estuary & Watershed Science*. From 2000 – 2003 he was the first Lead Scientist for the CALFED Bay-Delta program. Dr. Luoma is a Fellow in the American Association for the Advancement of Science, was a W. J. Fulbright Distinguished Scholar in the UK in 2004, and received the rank of Meritorius Senior Government Employee from the U.S. President in 2006. He has won numerous awards, including the first Brown-Nichols Science Award at the most recent CALFED Science Conference. His research interests are in chemical contamination in aquatic environments and coordination of water policy with science. He has authored about 200 peer-reviewed publications and two books, include the recently completed *Metal Contamination in Aquatic Environments: science and lateral management*, Cambridge University Press, 2008.

Jane Martin AIA/ASLA/LEED AP is principal of Shift Design Studio, a San Francisco certified green business specializing in building and landscape design. She is a licensed architect and artist whose work embraces all scales from urban planning to sculpture. She has been named by SFMOMA as one of the Bay Area's leading experimental designers. Ms. Martin is founding director of Plant*SF, a San Francisco non-profit focused on storm water diversion through public space community planting projects. An educator since 1995, Ms. Martin has held teaching and administration positions in architecture, art and design at the California College of the Arts and the University of California, Berkeley. She is a San Francisco Commissioner of the Environment and participates in a number of civic organizations. Ms. Martin earned a Bachelor of Science in Architectural Studies

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from the University of Illinois, Urbana-Champaign in 1992, and a Master of Architecture from Cranbrook Academy of Art, Bloomfield Hills, Michigan in 1994.

John McCaull has been active in California environmental politics since 1987. John has extensive experience as a legislative advocate in Sacramento, and has worked for numerous conservation organizations, political initiative campaigns and consulting clients. John received his B.A. in Political Science from the State University of New York, Geneseo in 1986. He graduated from the University of California, Davis School of Law in 1989, and has been practicing law in California since 1990. For 10 years, he served as the California Legislative Director for the National Audubon Society. Starting in 2001, John served as the California Regional Director of the American Farmland Trust (AFT). In 2004, John entered private practice, and has served a variety of public sector, non-profit, corporate and individual clients. In 2009, John's major clients include the Geothermal Energy Association, the Sonoma County Agricultural Preservation and Open Space District, the Calxico New River Committee and the Sonoma County Water Agency.

Steve McDonald, P.E. is a partner and Director of the Integrated Water Resources (IWR) Group for Carollo Engineers. The IWR Group applies engineering, science, and business principles to deliver a wide range of planning services for municipal wastewater, stormwater and water resource agencies. Mr. McDonald has completed master plans for the City and County of San Francisco; the City of Fresno, CA; the Cities of Reno, Sparks, and Washoe County, NV; Sacramento Regional County Sanitation District, CA; and is currently project director for the development of the Wastewater Master Plan for the San Jose/Santa Clara Water Pollution Control Plant, and the land use plan for the surrounding 2,600 acres. Mr. McDonald has contributed as a technical expert in the U.S. EPA's development of the total maximum daily load (TMDL) approach to improving water quality. He was appointed to the National Research Council (NRC) Committee to assess the science of the TMDL approach and to make recommendations to EPA and Congress on the future direction of TMDL water quality regulations. He is coauthor of the NRC Report; "*Assessing the TMDL Approach to Water Quality Management*," (June 2001).

Mike Mielke moved to Silicon Valley in 2008, after living in Washington DC for over thirteen years. Mike's life's work involves promoting stronger and more sustainable businesses and communities. He has held jobs in the non-profit, government, and private sectors, including posts with a number of consulting firms, the White House Council on Environmental Quality, and the National Estuary Program. His direct experience encompasses assignments in the developed and developing world, where his work requires close collaboration with business, non-profits, local and national governments, and bi- and multi-lateral donor organizations on a range of environmental issues including climate change. Prior to joining the Silicon Valley Leadership Group, Mike was the Executive Director and Co-Founder of the Sustainable Business Network of Washington, a non-partisan not-for-profit dedicated to working with companies and local

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governments to advance the principles of corporate social responsibility and sustainability. Mike holds a Master's degree in Public Policy, with a specialization in Ecological Economics, and a B.S. in Environmental Science. Mike recently was named to the Cambridge Who's Who. He is also on the Advisory Board for Green at Work Magazine.

Jeffrey Mount is Professor, former Chair of the Department of Geology, and the Founding Director of the Center for Watershed Sciences, at the University of California - Davis. He holds the Roy Shlemon Chair in Applied Geosciences, co-held the Presidents Chair in Undergraduate Education with Peter Moyle, and is the recipient of the 2005 Distinguished Scholarly Public Research Award for his contributions on issues of public concern such as flood risk, watershed management, and river restoration. Mount has served on numerous state and federal task forces and committees, has served as the Chair of the CALFED Independent Science Board, and is a former member of the California State Reclamation Board. He is the author of *California Rivers and Streams: The Conflict Between Fluvial Process and Land Use* (UC Press).

Tom Mumley is Assistant Executive Officer at California Regional Water Quality Control Board, San Francisco Bay Region. He also serves as Chair of the San Francisco Estuary Partnership Implementation Committee. He has worked at the San Francisco Bay Water Board for twenty-six years including ten years as head of the Planning and TMDLs Division, which included responsibility for development and implementation of water quality standards, monitoring of waters in the region, identification of impaired water bodies, and the development of plans (TMDLs) to fix impaired waters. His previous responsibilities included management of the San Francisco Bay Region's urban runoff control program and the NPDES storm water permit program from 1987 through 1997. He received his BS degree in Chemical Engineering from the University of Massachusetts, Amherst in 1976 and his Ph.D. in Chemical Engineering from the University of California, Berkeley in 1983.

Dr. Hilary Nixon is an Assistant Professor in the Department of Urban and Regional Planning, at San Jose State University and a Research Associate at The Mineta Transportation Institute, also at San Jose State University. She specializes in environmental planning and also teaches courses on the history and theory of urban planning. Her research interests include household hazardous waste management, particularly electronic waste recycling, the relationship between transportation and the environment, and the factors that influence pro-environmental behaviors. Dr. Nixon's research has been published in a number of peer-reviewed journals including *Environment & Behavior*, *Journal of Environmental Management*, *Journal of Environmental Planning and Management*, and *Transportation Research Part D: Transport and Environment*. In addition she has been invited to present her research at wide range of professional conferences including the Association for the Advancement of Sustainability in Higher Education, Association of Collegiate Schools of Planning, Canadian Society for Ecological Economics, International Conference on Traffic and

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Transportation Studies, IEEE International Symposium on Electronics and the Environment, The Minerals, Metals and Materials Society (TMS), and the World Conference on Transport Research, among others.

Michelle Orr is a civil engineer and restoration practitioner with 16 years experience in wetland restoration planning and design, environmental impact assessment, flood management, and field data collection. Michelle has completed over 100 studies related to the management and restoration of estuaries, wetlands and lagoons on the Pacific coast. For the past six years, she has lead the environmental and engineering services team for the South San Francisco Bay Salt Pond Restoration Project. Michelle joined PWA in 1995 and has been a Principal there since 2004.

Tim Ramirez joined the San Francisco Public Utilities Commission (SFPUC) in October 2005 to lead the Division of Natural Resources and Lands Management within the Water Enterprise. The Division is responsible for integrating environmental stewardship principles into current and future operations of the SFPUC water supply system and watershed lands, which includes the Tuolumne River, Alameda Creek, and Pilarcitos Creek. Previously, Tim spent six years working as the Assistant Secretary for Water Policy and Science at the California Resources Agency and as the Senior Policy Advisor and Deputy Director for Ecosystem Restoration at the California Bay-Delta Authority. Tim's responsibilities included serving as the State Coordinator for the CALFED Bay-Delta Program, and he focused on river systems and the intersection of water supply, ecosystem restoration, water quality, flood protection, and agricultural issues. Before joining the State, Tim directed the Tuolumne River Preservation Trust's Central Valley Program.

Dr. Denise Reed is a University Research Professor in the Department of Earth and Environmental Sciences at the University of New Orleans and is currently Interim Director of the Pontchartrain Institute for Environmental Sciences. Her research interests include coastal marsh response to sea-level rise, the contributions of fine sediments and organic material to marsh soil development, and how these are affected by human activities. She has worked on coastal issues on the Atlantic, Pacific and Gulf coasts of the US, as well as other parts of the world, and has published the results in numerous papers and reports. She is involved in restoration planning both in Louisiana and in California, and in scientifically evaluating the results of restoration projects. Dr. Reed has served on numerous boards and panels concerning the effects of human alterations on coastal environments and the role of science in guiding ecosystem restoration, including the Chief of Engineers Environmental Advisory Board, a number of National Research Council Committees, and the Ecosystems Sciences and Management Working Group of the NOAA Science Advisory Board. She received her BA and PhD from the University of Cambridge in England.

Steven Ritchie is the Executive Project Manager of the South Bay Salt Pond Restoration Project, a multi-agency effort led by the State Coastal Conservancy to restore 15,100

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acres of former salt production ponds in South San Francisco Bay to valuable habitat while providing for flood protection and wildlife-oriented public access to the Bay. He has worked in water resources related management positions throughout his 30-year career. He has worked at the San Francisco Bay Regional Water Quality Control Board, the San Francisco Public Utilities Commission, the CalFed Bay-Delta Program, and at URS consultants. He has a B.S. and M.S. in Civil Engineering from Stanford University.

Laurette Rogers is the Watershed Education Director at The Bay Institute. In 1992, she was teaching fourth grade at Brookside School in San Anselmo, CA, when her students began the Shrimp Project, a project designed to help save an endangered species through restoration and public outreach. The Shrimp Project has now evolved into the STRAW (Students and Teachers Restoring A Watershed) Project, a project of The Bay Institute. Laurette is the author of *The California Freshwater Shrimp Project: Example of Environmental Project-Based Learning*.

Jean Roggenkamp is a Deputy Air Pollution Control Officer for the Bay Area Air Quality Management District. Her responsibilities include overseeing the Planning, Policy and Public Outreach functions of the agency. She joined the Air District staff in 1985 in the Planning and Research Division and has been a member of the management team since 1990. Prior to joining the Air District, Ms. Roggenkamp was an environmental planning consultant. Her primary focus was using geographic information systems for natural resource planning. Ms. Roggenkamp holds a Master of City and Regional Planning and a Master of Environmental Planning from the University of California at Berkeley and a Bachelor of Science in Natural Resource Economics from Cornell University

Eric Rosenblum is a Division Manager with the City of San Jose's Environmental Services Department. He is responsible for South Bay Water Recycling, Silicon Valley's largest nonpotable reuse program, serving nearly 600 customers an average of 10 million gallons of recycled water per day. Previously he managed operation of the San Jose-Santa Clara Water Pollution Control Plant, and developed a biosolids reuse program to beneficially recycle 30,000 tons of wastewater treatment sludge. Eric is a registered civil engineer and certified in environmental engineering by the American Academy of Environmental Engineers. He is involved in a number of professional organizations, including the WateReuse Association and the International Water Association's Sustainability Working Group.

Greg Ruiz is a Senior Scientist at the Smithsonian Environmental Research Center (SERC). With labs in Chesapeake Bay and San Francisco Bay, his research program examines the ecology, dynamics, and management of invasions of coastal marine ecosystems by non-native species. A large focus of this research involves comparative analyses at a continental scale, focusing on differences among estuaries along the Pacific and Atlantic coasts for North America. A marine ecologist at SERC for 20 years, Greg has broad interests in community ecology, population biology, and parasitology. Greg

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holds a Ph.D. in zoology from University of California, Berkeley and a B.A. in aquatic biology from the University of California, Santa Barbara. For additional information visit SERC's Marine Invasion Research Laboratory website at <http://invasions.si.edu/>.

Thomas Scheeler received BS degree in Mechanical Engineering from California State University, Sacramento Licensed California Mechanical Engineer Employed at the Port since 1978, advancing to Chief Engineer in 1990 Principal responsibilities: Channel dredging; Port Capital projects; Facility modifications for new cargo opportunities; Facility regulatory compliance; Port land management.

Stephen H. Schneider is the Melvin and Joan Lane Professor for Interdisciplinary Environmental Studies, Professor of Biological Sciences, and a Senior Fellow in the Woods Institute for the Environment at Stanford University. He served as an NCAR scientist from 1973-1996, where he co-founded the Climate Project. He focuses on climate change science, integrated assessment of ecological and economic impacts of human-induced climate change, and identifying viable climate policies and technological solutions. He has consulted for federal agencies and White House staff in six administrations. Involved with the IPCC since 1988, he was Coordinating Lead Author, WG II, Chapter 19, "Assessing Key Vulnerabilities and the Risk from Climate Change" and a core writer for the Fourth Assessment Synthesis Report. He along with four generations of IPCC authors received a collective Nobel Peace Prize for their joint efforts in 2007. Elected to the US National Academy of Sciences in 2002, Dr. Schneider received the American Association for the Advancement of Science/ Westinghouse Award for Public Understanding of Science and Technology and a MacArthur Fellowship for integrating and interpreting the results of global climate research. Founder/ editor of *Climatic Change*, he has authored or co-authored over 500 books, scientific papers, proceedings, legislative testimonies, edited books and chapters, reviews and editorials and has been featured in numerous televisions and film productions. Dr. Schneider counsels policy makers, corporate executives, and non-profit stakeholders about using risk management strategies in climate-policy decision-making, given the uncertainties in future projections of global climate change and related impacts. He is actively engaged in improving public understanding of science and the environment through extensive media communication and public outreach.

Samuel Schuchat became Executive Officer of the Coastal Conservancy in July 2001 and is also the Secretary to the California Ocean Protection Council. Sam was the Executive Director of the Federation of State Conservation Voter Leagues from 1998 to 2001, and was the Executive Director of the California League of Conservation Voters, the nation's largest and oldest state environmental PAC, from 1992 to 1998. Sam served on the California Fish and Game Commission from 1999 to 2004, including two years as Vice-President. He is currently serving on the Board of Temple Sinai in Oakland. He received his BA in Political Science at Williams College in Williamstown, Massachusetts, in 1983, and his MA in Public Administration at San Francisco State University in 1989.

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Peter Schultze-Allen is the Environmental Programs Analyst for the City of Emeryville in Emeryville, California. He has worked for the City since 2002 in the Public Works Department on various environmental issues: Stormwater and Green Infrastructure, Recycling and Composting, Climate Action Planning, Eco Food-ware, Green Building, Solar Energy, Bicycle and Pedestrian facilities, Car Sharing, Street Trees, Bay Friendly Landscaping, Energy Efficiency and the new Sustainability Element in the City's General Plan. Previously he was a Recycling/Composting Specialist with for-profits and non-profits. He has a bachelors degree from the University of Rochester in Cognitive Science.

Nancy Skinner (D-Berkeley) was elected to represent the Bay Area's 14th Assembly District in 2008. The district includes Albany, Berkeley, El Cerrito, Emeryville, Kensington, Lafayette, Moraga, Orinda, Pleasant Hill, Richmond, San Pablo and parts of Oakland and El Sobrante. Assemblymember Skinner brings to the Assembly a long history of work on environmental issues and as a freshman legislator was named Chair of the Natural Resources Committee. Early in her career, Skinner served on the Berkeley City Council and was responsible for many of Berkeley's groundbreaking environmental policies, including the first Styrofoam ban in the nation. A nationally renowned leader in the fight against global warming, she founded ICLEI-Local Governments for Sustainability, and launched their Cities for Climate Protection Program. As the U.S. Director of The Climate Group, she worked with Fortune 500 companies, clean tech industries, and state and national leaders to pass landmark legislation such as California's global warming bill, AB 32.

Chris Sommers is a Managing Scientist.

Mark Spencer runs the environmental education programs for StopWaste.Org, the Alameda County Waste Management Authority. He has a PhD. in Environmental Science from U.C. Berkeley.

Diana Stralberg has been with PRBO Conservation Science since September 2000. She holds an M.S. in Resource Ecology and Management from the University of Michigan, and a B.S. in Mathematics/Applied Science from UCLA. Diana's primary areas of expertise include landscape ecology, spatial analysis, statistical modeling, and the intersections of these disciplines. Her recent research pursuits have focused on modeling avian distributional responses to climate, vegetation, and land use patterns, at scales ranging from individual sites to the western U.S. Her major ongoing projects include modeling the potential effects of climate change on California terrestrial bird distributions, as well as San Francisco Bay tidal marsh communities; and developing spatial models and conservation priorities for California migratory waterbirds. Diana has also been involved in the study of San Francisco Bay wetland ecosystems for over eight years, with an emphasis on avian responses to tidal marsh restoration.

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Janet Thompson is an Aquatic Ecologist with specialty in benthic ecology and hydrodynamics; studying SF Bay and Delta for 35 yrs.

Lars Tomanek California Polytechnic State University Department of Biological Sciences Environmental Proteomics Laboratory Assistant Professor MS from University of Konstanz, Germany (1995) PhD from Oregon State University (1999) Post-doc at Stanford University (1999 - 2003) Post-doc at University of California, Davis (2003 - 2005) Areas of research: Environmental stress and toxicology, global climate change, systems biology, proteomics.

Will Travis is the executive director of the San Francisco Bay Conservation and Development Commission (BCDC), the state agency that regulates development in the Bay and along its shoreline. He has degrees in architecture and regional planning from Penn State. Will spearheaded the public acquisition of 10,000 acres of salt ponds along the northern shoreline of San Francisco Bay so the ponds can be restored to wetlands. He has lectured at universities throughout North America, has written many articles on planning and resource management, been on the boards of numerous organizations, served on the Berkeley city planning commission and was chairman of a committee that worked with the University of California to formulate a new plan for downtown Berkeley. With 240 square miles of low-lying land surrounding San Francisco Bay, Will has become a forceful advocate for a regional strategy to address sea level rise in the Bay Area.

Luisa Valiela, Environmental Protection Specialist, U.S. EPA Region 9, Watersheds Office. Ms. Valiela focuses on watershed management at a regional scale in the San Francisco Bay Area, implementing watershed management plans, which entails collaborating with state authorities, local agencies and interested stakeholders to protect and restore water quality and related habitats, such as wetlands and riparian areas. Specific water quality priorities in the Bay Area include addressing mercury contamination from the legacy of California gold mining, and addressing water quality impairments that are caused by nonpoint sources, which include pollutants present in urban stormwater, and in some areas, pollutants from agricultural activities. Ms. Valiela is responsible for participating in Region 9's efforts on pollution prevention of emerging contaminants, also known as contaminants of concern, which are increasingly being detected in our waterways but are not yet regulated. PPCP's (pharmaceuticals and personal care products) fall into this category, and EPA is working to answer questions about their occurrence and concentrations in our waters, their potential adverse health effects, and which treatment technologies effectively remove them. Ms. Valiela received an M.S. in Wildland Resource Science, University of California at Berkeley, 1994, and a B.A. in International Relations, Boston University, 1990.

Caroline Warner is the Public Outreach Coordinator for the San Francisco Bay Joint Venture which, among other things, offers over 100 wetland protection partners the opportunity to tell their story and be heard through audio

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programs.

Stuart B. Weiss (PhD, Stanford University 1996), Chief Scientist of the Creekside Center for Earth Observations (www.creeksidescience.com), has extensive research experience in conservation and population biology, microclimate and climate change, atmospheric nitrogen deposition, GIS, and statistical analysis. He worked over fifteen years at the Center for Conservation Biology at Stanford University, authored more than 25 scientific publications, and served as principal investigator for more than 50 grants and contracts with government agencies, private industry, and conservation organizations, and practitioners. He and colleagues founded the Creekside Center a decade ago to bring high end scientific analysis to design and implementation of conservation and restoration projects for numerous imperiled species and ecosystems in the Bay Area, western US, and Latin America. He is currently the Science Advisor to the Bay Area Upland Habitat Goals project.

Dr. Donald Weston is a faculty member in the Department of Integrative Biology at the University of California, Berkeley. His research examines the effects of contaminants on aquatic invertebrates. He has studied the processes by which organisms take up contaminants, including issues related to bioaccumulation and bioavailability, as well as the effects on the animal. For the past five years much of his work has focused on the toxicity of pyrethroid insecticides and the development of tools to determine when they may be responsible for toxicity observed in environmental samples.

Dyan Whyte is Assistant Executive Officer at California Regional Water Quality Control Board, San Francisco Bay Region.

Gary Wolff, P.E., Ph.D., is the Executive Director of StopWaste.Org. He previously served as Vice Chair of the California Water Resources Control Board and as member of the San Francisco Bay Water Board. From 2001 to 2006, he served as principal economist and engineer for the Pacific Institute for Studies in Environment, Development and Security. Gary is an expert in the economics and engineering of resource use, including water quality; water, energy, and materials end-use efficiency; and incentive policies. His professional career has included solar energy construction contracting, water quality regulation for the State of California, design engineer at a wastewater treatment plant, founder and president of an engineering consulting firm, a post-doctoral fellowship at the Center for Conservation Biology at Stanford University, and a visiting professorship at the Graduate School of International Policy Studies at the Monterey Institute of International Studies. His community service includes chair of the Castro Valley Sanitary District Community Advisory Committee, past president of the Alameda County Recycling Board, past chair of the East Bay Municipal Utility District Demand Management Advisory Committee, and past chair of the Board of WaterKeepers of Northern California (now Baykeeper). Gary Wolff received his Doctoral degree in Resource Economics from the University of California at Berkeley, his Masters Degree

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in Civil and Environmental Engineering from Stanford University and his Bachelors Degree in Renewable Energy Engineering Technology from Jordan College.

Julian Wood is the San Francisco Bay Program Leader at PRBO Conservation Science. He graduated from Earlham College where he developed an interest in birds. In 1996, he joined PRBO as a Palomarin Field Station intern and since 2000, has been responsible for the development and supervision of numerous bird monitoring projects in the San Francisco Bay Area and San Joaquin Valley with an emphasis on evaluating restoration. Current areas of interest include bird response to habitat restoration, and impacts of human land use to bird communities.