

IN-LIEU FEE TRAINING: INSTRUCTOR PROFILES

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Paul Amato has been with Region 9 of the U.S. Environmental Protection Agency in San Francisco for four years working primarily on review and oversight programs under the National Environmental Policy Act (NEPA) and Clean Water Act. Prior to moving to the Wetlands Office in 2010, Paul worked in the NEPA Office as lead reviewer for all U.S. Army Corps of Engineers Environmental Impact Statements in Region 9 and for the past two years has been on special assignment focusing on the planned Military Buildup on the territory of Guam, with special emphasis on dredging and stormwater issues. In addition to the outer Pacific islands, Paul is the Wetlands Office lead for six Southern California counties. Prior to EPA, Paul worked in the watershed program at the San Francisco Estuary Institute and in the water quality certification program at the San Francisco Bay Regional Water Quality Control Board. He graduated from San Francisco State University with a Masters Degree in physical geography with an emphasis on land use impacts to aquatic resources.

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Therese O'Rourke Bradford has worked in some aspect of natural resources management for 30 years. Therese's federal career includes three years with the U.S. Army Corps of Engineers, five years with the U.S. Fish and Wildlife Service, 13 years with the U.S. Forest Service and two years with the Peace Corps. She has also worked for several non-profits: the Nature Conservancy, American Forests, and Michigan Citizen's Lobby. In the early 1990's she owned and operated a small urban forestry consulting company. She has worked at the municipal, state, federal and international levels. Her experience ranges from large scale environmental planning to individual tree planting. Her career focus is maximizing conservation with the smallest expenditure of paperwork and time. She has an undergraduate degree in Forestry with a minor in Communications from Michigan State University and a Master's degree in Biogeochemistry with an emphasis in Environmental Economics from George Mason University.

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David Brunner is Executive Director of the Center for Natural Lands Management. The Center was established two decades ago to provide perpetual stewardship for lands with populations of imperiled species. The Center stewards 34,000 acres across 70 preserves and provides habitat restoration and management on an additional 10,000 acres in both California and Washington. These lands support over 100 special status species of which over 50 are listed as threatened or endangered. The preserves are funded through perpetual endowments with a value of \$70 million. The Center is accredited by the Land Trust Alliance. David is actively involved with efforts to develop standards and best practices for the establishment, management, and evaluation of financial assurance packages within the compensatory mitigation context. Previously, David served as the Chief Operating Officer and Director of Venture Initiatives at the National Fish and Wildlife Foundation, an organization created by Congress in 1984 to conserve fish, wildlife, plants and their habitats. Additionally, David directed activities at the University of California Botanical Garden in Berkeley, served as curator at the Missouri Botanical Garden in St. Louis, and helped establish the National Natural History Museum of Paraguay.

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John Markham received a BA in biological sciences from Colorado College in 1994 and a M.P.H. in Environmental Health Sciences from University of California, Los Angeles in 2001. John has worked as a project manager for the U.S. Army Corps of Engineers Regulatory program in the Los Angeles District since 2002, focusing on third-party mitigation, watershed-scale study, and database administration. John is currently on a temporary assignment with Los Angeles District's Planning Division.

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Steve Martin is an environmental planner with the U.S. Army Corps of Engineers' (Corps) Institute for Water Resources (IWR). Steve provides technical assistance to Corps Headquarters and Districts on issues related to compensatory mitigation. He is the national technical lead for implementing RIBITS (Regulatory In-lieu fee and Bank Information Tracking System), a web-based application that provides public information on mitigation bank and in-lieu fee programs. Prior to IWR, Steve was a senior environmental scientist with the Norfolk District Regulatory Branch where he oversaw five operational mitigation banks and helped develop mitigation policies and procedures in Virginia, including development of a mitigation bank instrument template, wetland mitigation guidelines, and off-site mitigation location guidelines.

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Michelle Lee Mattson has been a Senior Project Manager with the U.S. Army Corps of Engineers' (Corps) Carlsbad Field Office for three years. Prior to the Corps, Michelle worked as a consultant for over ten years doing regulatory compliance with a focus on stream and wetland restoration design, implementation, and monitoring utilizing function-based assessments. She has also had the experience of working on several watershed-scale planning efforts including the San Juan/San Mateo Special Area Management Plan (SAMP) and the Otay River Watershed Management Plan (WMP) and SAMP. At the Corps, she manages many complex and controversial applications under Section 404 of the Clean Water Act ranging from alternative energy projects to several existing mitigation banks and one ILF program. Michelle is the Project Manager for the City of San Marcos and San Diego Association of Governments (SANDAG) Water Resources Development Act Memorandums of Agreement and is assisting SANDAG in the early development of five mitigation banks and three lagoon restoration projects. Michelle has a Bachelors of Science from the University of California at San Diego in La Jolla, California.

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John Kemmerer has been Associate Director of the U.S. Environmental Protection Agency (EPA) Region 9's Water Division since 2002. Since 2007, he has worked out of Region 9's Southern California Field Office in downtown Los Angeles. His current responsibilities focus primarily on implementation of the Clean Water Act in California. He has been with EPA since 1984, initially as an Air Pollution compliance inspector, followed by 17 years in the Superfund Division where he held several different positions managing the cleanup of hazardous waste sites. John holds a B.S. in Chemical Engineering.

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Dr. Eric Stein is currently a principal scientist at the Southern California Coastal Water Research Project (SCCWRP), where he is head of the Biology Department. Dr. Stein oversees a variety of projects related to in-stream and coastal water quality, bioassessment, hydromodification, watershed modeling, and assessment of wetlands and other aquatic resources. His research focuses on effects of human activities on the condition of aquatic ecosystems, and on developing tools to better assess and manage those effects. Dr. Stein has authored over 50 journal articles and technical reports and participates on numerous technical workgroups and committees related to water quality and wetland assessment and management. Prior to joining SCCWRP, Dr. Stein spent six years as a Senior Project Manager with the Regulatory Branch of the Los Angeles District of the U.S. Corps of Engineers, and four years with a private consulting firm.

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Jessica Wilkinson is a Senior Policy Analyst and Director of the State Biodiversity and Wetlands Programs at the Environmental Law Institute (ELI) in Washington, DC. She holds a Master's of Environmental Management from Yale University, School of Forestry and Environmental Studies and a BA in Environmental Science from Barnard College, Columbia University. As director of ELI's Wetlands Program, Jessica oversees the Institute's program of wetlands research and training and serves as an advisor to the *National Wetlands Newsletter*. She has been the lead researcher on several of ELI's seminal wetlands publications, including *Banks and Fees: The Status of Off-Site Wetland Mitigation in the United States* (2002), *The Status and Character of In-Lieu Fee Mitigation in the United States* (2006), and *Design of U.S. Habitat Banking Systems to Support the Conservation of Wildlife Habitat and At-Risk Species* (2008). In 2009, she co-authored *The Next Generation of Mitigation: Advancing Conservation Through Landscape-Level Mitigation Planning* with The Nature Conservancy and *In-Lieu Fee Mitigation: Model Instrument Language and Resources*.

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Philip Womble is a Research Associate at the Environmental Law Institute (ELI) in Washington, DC where he is a contributing researcher in ELI's wetlands, water quality, and water resource management programs. He holds a B.S. in Environmental Sciences from the University of North Carolina-Chapel Hill (2010). At ELI, Philip was the lead author of a study that characterized aquatic resource types outside of Clean Water Act jurisdiction (*America's Vulnerable Waters: Assessing the Nation's Portfolio of Vulnerable Aquatic Resources since Rapanos v. United States* (2011)) and co-author of a study of innovative aquatic resource and endangered species compensatory mitigation programs (*A Practitioner's Handbook: Optimizing Conservation and Improving Mitigation through the Use of Progressive Approaches* (2011)). Prior to joining ELI, at the UNC-Chapel Hill Institute for the Environment, he was the lead author and researcher for a national study of geographic service areas used for mitigation banks, *The Geography of Trading Ecosystem Services: A Case Study of Wetland and Stream Compensatory Mitigation Markets*; this study will be published in the February 2012 issue of the Harvard Environmental Law Review.