

Chief of Engineers Environmental Advisory Board

SUMMARY BIOGRAPHIES

Dr. Richard F. Ambrose

Richard F. Ambrose is Director of the Environmental Science and Engineering Program and Professor in the Department of Environmental Health Sciences at UCLA. He received his B.S. in Biological Sciences from University of California, Irvine and his Ph.D. in Marine Ecology from University of California, Los Angeles. After conducting postdoctoral research at Simon Fraser University in Vancouver, British Columbia, he spent seven years at the Marine Science Institute at University of California, Santa Barbara before returning to UCLA in 1992. His research focuses on the ecological aspects of environmental problems, particularly in coastal environments. His current research includes the restoration of degraded coastal habitats, especially wetlands, evaluating the effectiveness of wetland mitigation programs, monitoring change in rocky intertidal habitats using a network of monitoring sites throughout California, assessing human activities in rocky intertidal habitats and determining ways to restore degraded intertidal communities, and evaluating alternatives for managing watershed-level ecological problems resulting from urbanization. He is Chair of the Scientific Advisory Panel of the California Coastal Commission overseeing a large mitigation project and serves on technical advisory panels for the Santa Monica Bay Restoration Commission and the Southern California Wetland Recovery Project.

Mr. Terry Cook

Mr. Terry Cook serves as the Director of the Mid-Atlantic Conservation Science Center of the Nature Conservancy, providing strategic leadership to the Eastern Conservation Region; as well as recommendations to the Regional Director on high risk compatible use issues relative to the Conservancy's conservation areas. He oversees and manages regional conservation staff including the Forest Conservation Network, Freshwater Conservation Program, Marine Conservation Program, and the Conservation Science Program. He serves as Science Advisor to the regional senior management team, providing strategic direction and support to Eastern U.S. Conservation Region and associated state chapters. He is the primary author the Region's 2015 Strategic Plan. He serves on The Nature Conservancy's Technology and Information Systems Cabinet that oversees and approves information system and technology priorities. He serves as a critical link between the Eastern U.S. Conservation Region and the Conservation Strategies Group, External Affairs, and the Science Office.

Dr. George F. Crozier

Executive Director of the Dauphin Island Sea Lab. He received his Ph.D. in Marine Biology from Scripps Institution of Oceanography (University of California, San Diego) in 1968. Although trained originally as a comparative biochemist, Dr. Crozier has spent most of his

professional career in Coastal Zone Management, which might be considered as a specialization in applied marine ecology. He has been the Executive Director of the Dauphin Island Sea Lab at the mouth of Mobile Bay since 1979. As the Director of the Coastal Policy Center at the Laboratory, he is active regionally in most management issues. Dr. Crozier received NOAA's Walter B. Jones Coastal Steward Award for 1999 and has been honored by the State of Alabama as a science educator. He is currently deeply engaged in the issues emerging from urban sprawl in coastal areas and mitigation thereof.

Dr. Stephen Farber

Director of the Environmental Management and Policy Program at the University of Pittsburgh Graduate School of Public and International Affairs. He received his Phd in Economics in 1972 from Vanderbilt University. His research interests are in Ecological Economics, focusing on natural systems and their relationships to economies. Prior research has been in the area of economic valuation of natural systems' services, especially coastal wetlands. He is currently working on a NOAA funded project to evaluate stressors and management trade-offs in Louisiana coastal restoration. He has funding from the National Center for Ecological Analysis and Synthesis for a project to incorporate natural system valuation into the research agenda of the NSF Long Term Ecological Research sites. He also has Pennsylvania funding to develop training programs for watershed groups in the use of Geographic Information Systems.

Dr. Christopher I. Goddard

Christopher I. Goddard is the Executive Secretary and Chief Executive Officer of the Great Lakes Fishery Commissions. In his current position, he manages the Commission's fishery and environmental activities, including sea lamprey control and coordination of international and inter-jurisdictional fisheries management in the Great Lakes, and coordinates an internal and external research programme. He received his Bachelor of Science in Chemistry, Master of Science and Ph.D. in Biology from York University. Prior to his appointment to the Great Lakes Fishery Commission, he served with the Ontario Ministry of Natural Resources, managing the fisheries research and fisheries assessment programmes, managing the Provincial Remote Sensing Office, and was the Associate Director of the Zimbabwe Natural Resources Programme, a joint 5 year cooperative resource management infrastructure development project between Canada, Zimbabwe, and Ontario. Dr. Goddard also serves on the faculty of the University of Michigan and Michigan State University. Last year, the American Fisheries Society presented Dr. Goddard with the 2006 Meritorious Service Award.

Dr. William L. Graf

Dr. William L. Graf serves as Foundation University Professor and Chair of the Department of Geography at the University of South Carolina. Dr. Graf earned his Ph.D. from the University of Wisconsin, Madison, with a major in physical geography and a minor in water resources management. His specialties include fluvial geomorphology and policy for public land and water, with emphasis on river channel change, human impacts on river processes

and morphology, contaminant transport and storage in river sediments, and the downstream impacts of large dams. Much of his work has focused on dryland rivers, though for the past several years his work has been national in scale. He has served as an officer in the Geological Society of America, and has been President of the Association of American Geographers. In the area of public policy he has emphasized the interaction of science and decision-making, and resolution of the conflict between economic development and environmental preservation. He has been the chair of several National Research Council committees that have authored National Academy Press books on subjects ranging from watershed management to dam and river management in the Platte and Klamath rivers. He is principle author of Dam Removal: Science and Decision Making, and is presently working on Downstream Consequences: An Environmental History of Dams and American Rivers.

Dr. Courtney T. Hackney

Professor of Biological Sciences and Chairman, Department of Biology at the University of North Florida. He has a Ph.D. (1977) in Zoology with a minor in Wildlife & Fisheries from Mississippi State University. He has conducted research on coastal systems along all three U.S. coasts. His research includes work on wetlands in upstate New York, Illinois, and Wisconsin as well. He is the past president of the Society of Wetland Scientists and past Chair of the Southeastern Section of the Ecological Society of America. Many of Dr. Hackney's 60 + publications have dealt with Biological Communities or interactions of the natural world with humans. He has consulted with state and federal agencies as well as the private sector. He is familiar with landscape level questions and the long-term implications to local communities. He has been actively involved in solving environmental problems through his research and through appointments to various local and state boards and commissions.

Mr. Robert Joe

Mr. Robert Joe serves as Special Projects Manager for the Metropolitan Water District of Southern California. He is responsible for complex project management oversight for projects and strategic issues within the Metropolitan. These include Federal coordination with Bay-Delta Levees; Local and Regional Water Management Partnerships. He provides the Assistant General Manager with support and recommendations regarding corporate initiatives and issues. Mr. Joe was named Group Manager for External Affairs in December 2001. As Group Manager, he was responsible for overall management of Metropolitan's customer service, legislative affairs, and media coordination to underscore the district's water management priorities of reliability, quality, and fairness. He came to Metropolitan in March 2000 to direct Metropolitan's legislative activities, including advocating Metropolitan's interests before the executive, legislative, and regulatory branches of the state and federal government. Prior to that, he spent nearly 30 years with the Los Angeles District of the U. S. Army Corps of Engineers retiring from the Corps as Deputy District Engineer, responsible for all the Los Angeles District civil works and military programs. Mr. Joe received his B. S. in Environmental Design at California State

Polytechnic University, Pomona, and his M. P. A. from University of California, Los Angeles.

Dr. James E. Kundell

Director of the Environmental Policy Program at the University of Georgia's Vinson Institute of Government, where he serves as Science Advisor to the Georgia General Assembly, and Professor of Environmental Policy in the Odum School of Ecology. He previously served as Policy Director of the university's River Basin Center. Dr. Kundell has conducted numerous environmental policy research studies and is the author or co-author of over 150 books, articles and policy reports on water resources, air quality, solid and hazardous waste management, and growth management and sustainable development. Dr. Kundell has been a key player in developing the Georgia comprehensive water management plan. He was appointed by Governor Barnes to his Special Advisory Committee on the ACF/ACT River Basin Compacts. Dr. Kundell was co-project leader for Governor Sonny Perdue's Land Conservation Partnership Advisory Council and was the principle author of the *Georgia Land Conservation Partnership Plan*. Dr. Kundell received his Ph.D. in environmental science from the SUNY College of Environmental Science and Forestry at Syracuse University in 1977.