

Dr. James J. Anderson

Dr. Anderson is a Research Professor in the School of Aquatic and Fisheries Sciences at the University of Washington and Co-Director of Columbia Basin Research, a group that focuses on salmon issues in the Columbia Basin. Dr. Anderson has been teaching at the University of Washington since 1983. Prior to joining the faculty at the University of Washington, he did research work at the University of Kyoto in Japan, the National Institute of Oceanography in Indonesia, and Institute of Oceanographic Sciences in Wormley, UK. For three decades he has studied the effects of hydrosystems and water resource allocations on salmon and other fish species. He has developed computer models of the migration of juvenile and adult salmon through hydrosystems and heads the DART website, an internet database serving real-time environmental and fisheries data on the Columbia River. His other research interests include mathematical studies in ecosystems, biodemography, toxicology and animal behavior. He has served on a number of regional and national panels and has testified numerous times before Congress on the impacts of hydrosystems on fisheries resources including the National Research Council Committee on Sustainable Water and Environmental Management in the California Bay-Delta. He has over 100 scientific publications and has supervised twenty-five graduate students. He received his B.S. and Ph.D. in oceanography from the University of Washington.

Dr. James A. Gore

Dr. Gore is a Professor of Biology and the Dean of the College of Natural and Health Sciences at the University of Tampa. Dr. Gore received his B.A. degree from the University of Colorado and M.A. and Ph.D. degrees (Zoology) from the University of Montana. Dr. Gore has held professorships at the University of Tulsa, Eminent Scholar Chair in Environmental Science in the Alabama University system, Professor and Chair of the Department of Environmental and Health Sciences at Columbus State University, and Professor and Chair of the Department of Environmental Science, Policy and Geography at the University of South Florida St Petersburg. He is a Fulbright scholar having held senior research fellowships in Israel and southern Africa. Dr. Gore has over 135 publication credits including three books, *The Restoration of Rivers and Streams*, *Alternatives in Regulated River Management*, and *Rapid Bioassessment of Stream Health* plus more than 75 papers, book chapters and technical reports in aquatic biology and hydrology. Dr. Gore's primary research interest is in the influence of channel hydraulics on the distribution of riverine biota, establishing conservation flows for river ecosystems, and the potential impacts of climate change on the success of invasive species. He is currently authoring two papers and editing a special edition of *Freshwater Biology* on the ecology and restoration of the Rhone River.

Dr. Robert T. Leaf

Dr. Leaf is an Assistant Professor at the Gulf Coast Research Laboratory, University of Southern Mississippi. Dr. Leaf received his B.A. in Biology at the University of California at Santa Cruz and his M.S. in Marine Science at the Moss Landing Marine Lab of the San Jose State University. Dr. Leaf received his Ph.D. in Fisheries and Wildlife Science from the Virginia Polytechnic Institute where he studied how phenology of individuals in harvested populations were altered under size-selective fishing. As a post-doctoral researcher in NOAA's "Fisheries and the Environment" program, Dr. Leaf examined how phytoplankton bloom phenology determined recruitment patterns in northeast Atlantic ground fishes. His current work involves assessment of Gulf Menhaden, Gulf of Mexico Blue Crab, and Mississippi's Red Drum stock. Dr. Leaf's research interests include population dynamics of fishes and invertebrates with an emphasis on the environmental drivers influencing stock dynamics, and analysis of fish population dynamics using mathematical and statistical models.

Dr. Mary C. Fabrizio

Dr. Fabrizio is a Moses D. Nunnally Distinguished Associate Professor of Marine Science at the Virginia Institute of Marine Science. Her research interest includes recruitment dynamics of the Chesapeake Bay fishes, spatial ecology of estuarine fishes, population dynamics of juvenile fishes, and sampling designs for fishery-independent surveys. Dr. Fabrizio was recognized for her outstanding contributions to the field of fisheries science by the American Fisheries Society (AFS). She also received several AFS honors including Best Paper Published in *Transactions of the American Fisheries Society*, and the Oscar E. Sette Award for Outstanding Marine Biologist in 2014. Dr. Fabrizio's current work focuses on striped bass, blue catfish, American eel, summer flounder, and black sea bass. She received her B.S. Summa Cum Laude in Biological Sciences at the Fordham University and her Ph.D. in Biological Oceanography from University of Rhode Island.

Dr. Charles B. Yackulic

Dr. Yackulic is a Research Statistician at the Grand Canyon Monitoring Center of the U.S. Geological Survey. Dr. Yackulic received his M.S. in Integrative Bioscience and Environmental Change and Management from Oxford University, and his Ph. D. in Ecology and Evolutionary Biology from Columbia University. His research focuses on spatial population models and structured decision making process to determine future experimental and adaptive management of Glen Canyon Dam, two-species dynamic occupancy modeling, bioinformatics, and quantifying interspecific interactions to inform endangered species management. He received the USGS STAR Award in 2014 for leading fish modeling in support of long-term experimental and management plan for the Glen Canyon Dam.