

## **The Speakers**

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### **Jeff Adkins**

Jeff Adkins is an economist who joined the Coastal Services Center this past January to work in its Landscape Characterization and Restoration Program. This program works with state and local governments to create easy-to-use tools to help coastal resource managers integrate information describing the interrelationships of ecological, land use, socioeconomic, and management factors in the planning and evaluation of management actions. Before that, Jeff served for 22 years as an economist and Planning Chief for the US Army Corps of Engineers, specializing in transportation economics and water resources planning.

### **Dave Allen**

Dave Allen is a Coastal Region Nongame Biologist with the North Carolina Wildlife Resources Commission (NC WRC). He holds a Bachelor's degree from Virginia Tech in Forestry and Wildlife and a Master's in Wildlife Biology from Clemson University. Prior to coming to the NC WRC in 1990, Dave was in charge of the red-cockaded woodpecker population on the Savannah River Site for the US Forest Service, Southeastern Forest Experiment Station in charge of three years. Initially working for the NC WRC as the Coastal Region Wildlife Forester, he now focuses on bird research, surveys and management as a Nongame Biologist.

### **Gloria Bell**

Gloria Bell is the Listing and Recovery Coordinator for the Southeast Region of the U.S. Fish and Wildlife Service and has been in the Regional Office since 1992. She coordinates all listing and critical habitat actions in the Region, as well as all recovery planning efforts, including tracking recovery progress. Between 1985 and 1988, she worked for the Puerto Rico Department of Natural Resources on projects with the West Indian whistling duck, white-cheeked pintail, and snowy plover (all species of management concern). Gloria started working for the Service in 1989 at the Caribbean Field Office, where she worked on listing, recovery, and consultation issues. She received a B.A. in biology from the College of Notre Dame of Maryland and M.S. in wildlife biology from Clemson University in South Carolina.

**Cynthia Bohn**

Cindy Bohn is currently the Regional Coastal Program Coordinator for the USFWS, Southeast Region located in Atlanta, Georgia. In this capacity she coordinates the restoration activities of the Coastal Program Offices and provides guidance on the Service's Ecological Services activities in coastal environments. Prior to becoming the Coastal Program Coordinator, she also served as the Regional Hydropower Coordinator, Assistant Federal Permits Coordinator, and the Assistant Regional Wetlands Coordinator for Southeast Region. Cindy has 13 years experience in mapping and delineating wetlands for the National Wetlands Inventory and other mapping efforts, and has received professional certifications from the Society of Wetland Scientists and the American Society of Photogrammetry and Remote Sensing. She has a B.S. in Geography from Kansas State University and attended graduate studies at the University of South Florida.

**Mike Brim**

Graduated University of Utah, 1970, B.S. Biology; and State University of New York, Stony Brook, 1972, M.S. Marine Environmental Studies. Private consultant: 1972-74. Began working with FWS at Panama City Field Office, 1974. Joined the Service's environmental contaminant's program in 1984. Environmental Contaminant Specialist from 1984-2001. Currently, Service Coastal Program coordinator at Panama City Field Office. Publications include three major contaminant reports on Perdido, St. Andrew, and St. Joseph bays, and numerous small contaminant publications. Work has involved cross-program projects with Fisheries, Refuges, Law Enforcement, Endangered Species and Habitat Conservation.

**Jaime Collazo, Ph.D.**

Dr. Jaime Collazo is currently the Assistant Unit Leader (wildlife, NC Cooperative Research Unit) and an Associate Professor of Zoology and Forestry at North Carolina State University. Jaime previously worked at the Caribbean Field Office (FWS), Caribbean Islands National Wildlife Refuge (FWS) and the Puerto Rico Department of Natural and Environmental Resources. He obtained a BS from University of Puerto Rico (biology), MS from University of Idaho (wildlife) and PhD from Iowa State University (animal ecology). Dr. Collazo's research interests lie primarily with nongame birds (e.g., shorebirds) and endangered species' population dynamics and habitat use patterns.

**Andrew David**

Andrew David is a fisheries biologist with the National Marine Fisheries Service in their laboratory in Panama City, FL. He holds Bachelor's degrees in Chemistry and Biology from Stetson University, a Master's in Marine Science from the University of South Florida and is a candidate for a Doctorate in Biology from FSU. He has been with NMFS since 1990 and his research interests are currently focused upon juvenile recruitment of grouper and snapper and the evaluation of marine reserves as management tools for federally regulated reef fish.

**Richard A. (Skip) Davis, Jr., Ph.D.**

Dr. Skip Davis is a Distinguished Research Professor at the University of South Florida's Coastal Research Lab in the Department of Geology. He holds a B.S. from Beloit College (1959), a M.S. from The University of Texas (1961) and a Ph.D. from the University of Illinois (1964). After a post-doc at the University of Wisconsin (1964-65), Skip was an Asst. Associate professor at Western Michigan University for eight years. Since 1973 he has been at USF, where he has held Chair and Associate Dean positions while concentrating on coastal morphodynamics and geologic development. Dr. Davis has written approximately 125 journal articles and written and edited 13 books on coastal geology.

**Robert G. Ernest**

Mr. Ernest is president of Ecological Associates, Inc. (EAI), an environmental consulting firm located in Jensen Beach, Florida. He received his Master's Degree in Marine Science from the University of South Florida, and for the past 25 years has worked extensively in Florida's marine and coastal environments where he specializes in benthic community ecology. Mr. Ernest also has a broad background in sea turtle conservation. He has designed, managed, and participated in numerous applied research programs to assess the effects of beach nourishment and other coastal construction projects on sea turtles and has assisted numerous coastal communities in developing beachfront light management plans. His firm recently concluded a comprehensive 3-year study to evaluate the effects of a 4-mile beach nourishment project (Martin County, Florida) on sea turtle nesting and reproductive success.

### **Ed EuDaly**

Ed EuDaly is a Fish and Wildlife Biologist with the U.S. Fish and Wildlife Service in the Charleston Ecological Services Field Office. He holds Bachelor's and Master's degrees in Zoology from Auburn University and also conducted graduate work in aquatic ecology at Virginia Tech. Ed is the lead biologist for federal projects in South Carolina and in the Savannah River basin of Georgia, where he evaluates fish and wildlife impacts of water resource development and wetland restoration projects. He also develops mitigation plans and works with endangered species assessment, conservation and recovery. Ed's key issues of interest include the Savannah Harbor Deepening project; river restoration, flow regime and conservation of aquatic resources and wetlands in the Savannah River basin; and the recovery of seabeach amaranth.

### **Mark S. Fonseca, Ph.D.**

Dr. Mark Fonseca is a Research Ecologist at NOAA's Center for Coastal Fisheries and Habitat Research Beaufort (NC) Laboratory. Mark has a Bachelor's degree from the University of Rhode Island in resource development, a Master's degree in environmental science from the University of Virginia and a Ph.D. in Integrative Biology from the University of California, Berkeley. At NOAA, Mark develops, transfers and assists in the implementation of management strategies for marine ecosystems, assists in damage assessment and recovery analysis as well as permit reviews and expert witness testimony for the Government. He is a project leader in basic and applied studies of marine and estuarine ecology with a focus on seagrass ecosystem restoration and management, as well as factors influencing seagrass bed growth and faunal utilization particularly in the context of hydrodynamic and landscape processes. Duties are concentrated in the area of seagrass ecology, management and restoration.

Mark's research studies have focussed on exploring hydrodynamic interactions with seagrass ecosystems at a number of scales, developing seagrass planting techniques and management strategies for seagrasses in various parts of the world. Other studies include comparisons of planted vs. natural seagrass bed functions, light limitations of seagrasses and their population ecology, saltmarsh restoration procedures and faunal linkages among integrated plantings of marsh and seagrass systems. Recent investigations focus on the influence of hydrodynamic and disturbance processes in the formation and maintenance of seagrass landscapes, living marine resource use of contrasting landscape patterns and consequences of mitigative actions in these landscapes, comparisons of digitally scanned aerial photography with georectified, *in situ* videography, GIS-based spatial modeling of

these relationships, development and deployment of deepwater undersea habitat mapping vehicles, study of deepwater seagrass beds of the west Florida shelf and use of plant efficiency analyzers to assess health of marine plants. Other studies include habitat injury assessment techniques and application of economic strategies and modeling techniques to quantifying habitat injury assessment. Dr. Fonseca has published 45 articles, chapters and books.

**James D. Fraser, Ph.D.**

Dr. Jim Fraser is professor of wildlife sciences at Virginia Tech. He and his graduate students have worked on threatened and endangered birds, especially bald eagles and piping plovers, in shoreline and coastal systems for 25 years. He has worked with piping plovers on barrier islands for 15 years.

**Jeanette Gallihugh**

Jeanette attended Michigan State University, where she obtained a B.S. in Fisheries & Wildlife Biology. She then worked as a Fisheries Extension Agent in Africa for Peace Corps before starting with the Federal Government as a Biologist with the Army Corps of Engineers Wetland Regulatory Program in Utah then Nevada. Jeanette transferred to the Service with a job in the Metro Chicago Field Office, where she conducted a 3-year study on 404 Permit Compliance and Wetland Mitigation Success within the Chicago District of the Corps. She subsequently transferred to the Florida Keys Suboffice in 1998 (under Vero Beach ES Office), where she worked on 404 permits, section 7 consultations, and HCPs. This May Jeanette transferred to the Washington Office of the Service, in the Branch of Federal Activities, and is working as the Sikes Act Coordinator, on Beach Nourishment issues, Outer Continental Shelf drilling, and other 404 permits or Federal projects.

**Cherry Green**

Cherry Green is the Federal Permits and Projects Coordinator in the U.S. Fish and Wildlife Service's Southeast Regional Office in Atlanta, Georgia.

**Eric Hawk**

Eric Hawk is a biologist for NMFS's Southeast Region Protected Resources Division in St. Petersburg, Florida. He works on Endangered Species issues and consultations.

**William Hester**

A native of eastern North Carolina, William Hester received his B.S. in Fisheries and Wildlife Sciences from North Carolina State University in 1986. He will graduate with an M.S. in Environmental Science from Christopher Newport University in December, 2001. He has been employed by the U.S. Fish and Wildlife Service in various positions since 1984 and is currently employed as a Fish and Wildlife Biologist in the Service's Virginia Field Office in Gloucester, Virginia. William, his wife Jill, and two children reside in Williamsburg, Virginia.

**Nancy Jackson**

Nancy Jackson is an Associate Professor of Physical Geography and Director of the Graduate Program in Environmental Policy Studies at New Jersey Institute of Technology. She holds a BA in Geography from Clark University, a MS in Resource Management and Administration from Antioch/New England Graduate School and a Ph.D. in Geography from Rutgers University. Her primary research interest is on beach dynamics in estuarine environments and the implications for planning and management. Her research has focused on sediment transport processes, swash/water-table interactions and the effectiveness of shore protection structures. Recent interest is the dynamics of sandy foreshores and suitability of these environments as habitat. Her work has appeared in journals such as *Estuaries*, *Geomorphology*, *Journal of Coastal Research*, *Journal of Sedimentary Petrology*, *Marine Geology*, and *Sedimentology*.

**Mike Johnson**

Mike Johnson is a Fishery Biologist for the National Marine Fisheries Service, Habitat Conservation Division in Miami, Florida, where he reviews federal projects and Corps of Engineers regulatory projects in Monroe, Dade, Broward, and Palm Beach counties in Florida. Mike previously worked as a Marine Research Associate for the Florida Fish and Wildlife Conservation Commission's Marine Research Institute in Marathon, Florida. He holds a Masters of Science degree in Biology from the University of Central Florida.

**R. Wilson Laney, Ph.D.**

Wilson is a native North Carolinian who was born in Rutherford College, near Valdese in the foothills of the Appalachians. He lived with his family in Hildebran, Fort Bragg, Greenville and Kinston, North Carolina and in Columbia and Anderson, South Carolina before moving to Sarasota, Florida in 1958. He returned to North Carolina and completed his undergraduate degree in biology at Mars Hill College in 1970, graduating *magna cum laude*. For the past 31 years he has worked with various wetland and aquatic habitats throughout North Carolina, especially in the Coastal Plain of the Cape Fear and Roanoke River Basins. He received a Master of Science degree in 1973 and a Doctor of Philosophy degree in 1981, both in Zoology, from North Carolina State University for his work on penaeid shrimp thermal tolerances and population dynamics in the Cape Fear River estuary. Wilson served with the U.S. Fish and Wildlife Service, Division of Ecological Services, Raleigh, NC, Field Office from May 1981 through mid-February 1991. Positions held included Fishery Biologist, Fish and Wildlife Biologist, Acting Assistant Supervisor and Senior Staff Biologist. In 1989 he was detailed to Washington, D.C., to accept an Environmental Science and Engineering Fellowship from the American Association for the Advancement of Science and the U.S. Environmental Protection Agency, where he studied the impact of the Clean Water Act's Section 404 Nationwide General Permit 26 on isolated and headwater wetlands. He presently is with the Fisheries Program, U.S. Fish and Wildlife Service, serving as Assistant Coordinator of the South Atlantic Fisheries Coordination Office. He resides in Raleigh, North Carolina with his wife Gail and son Matthew.

**William J. Lindberg, Ph.D.**

Dr. William J. Lindberg is Chair of the Department of Fisheries and Aquatic Sciences at the University of Florida in Gainesville, Florida. He received his Ph.D. in Biological Science from Florida State University in 1980, with specializations in behavioral and marine ecology. He was a founding member of his department at UF in 1984, after initiating a research program there involving artificial reefs. In 1990, he began the Suwannee Regional Reef Program as a large-scale, artificial reef experiment for testing various effects of habitat and landscape architecture on fisheries species. He has been invited to participate in reef project planning and symposia for local to international audiences, and recently authored a book chapter on reef project planning and evaluation.

**Ken Lindeman, Ph.D.**

Dr. Ken Lindeman, Senior Scientist, Environmental Defense, has published original research since 1985 on emerging issues in fishery ecology and applied coastal management in Florida and the northern Caribbean. He has worked for NOAA and the Univ. of Miami, and consulted for the Smithsonian Institution, Fl. Keys Nat. Marine Sanctuary, FAO, the S. Atlantic Fishery Management Council, and other public and private sector organizations. He has also worked in non-profit administration and educational outreach since 1990 and produced diverse videos, CDs, and web-products for the lay-public.

His research is published in leading journals (e.g., Bulletin of Marine Science, Marine Ecology Progress Series, Fishery Bulletin) and books such as The Ecology of the Marine Fishes of Cuba which he co-edited. He serves on many advisory panels including the National Center for Caribbean Coral Reef Research, the National Center for Ecological Analysis and Synthesis Workgroup on Marine Populations, and the Habitat Advisory Panels of both the South Atlantic and Caribbean Fishery Management Councils.

**Sandy MacPherson**

Sandy MacPherson is the National Sea Turtle Coordinator for the U.S. Fish and Wildlife Service. She oversees and coordinates sea turtle management and research activities on U.S. nesting beaches. This includes coordinating with all Fish and Wildlife Service offices that are responsible for sea turtle issues to ensure a more effective and unified recovery effort. She has both a B.S. and M.S. in fisheries and wildlife science from the University of Tennessee at Knoxville and the Virginia Polytechnic Institute and State University, respectively, and has been working for the Federal government on endangered species issues for over 15 years.

**Andrea Mosier**

Andrea has worked in the sea turtle program at the Florida Marine Research Institute for 10 years. She has specialized in creating GIS coverages of marine turtle data. In 1998, she completed her Master's Degree at the University of South Florida Marine Sciences Program. The topic of her Master's thesis was a study of the impact of coastal armoring structures on loggerhead turtle nesting behavior. She has since followed-up the results from that study with several additional coastal armoring research projects.

**Karl F. Nordstrom, Ph.D.**

Dr. Karl Nordstrom is a Professor in the Institute of Marine and Coastal Sciences at Rutgers - the State University of New Jersey. He received an A.B. in German, M.S. and Ph.D. in Geography from Rutgers University. Karl has been a Captain in the U.S. Army (1964-67), a Fulbright Scholar at the Geography Institute, University of Greifswald, Germany, and a Visiting Scholar at the University of Western Australia, University of Amsterdam, University of Kiel (Germany), and UCLA. He has published 5 books, 61 articles in refereed journals and 36 chapters in books and symposia volumes.

Dr. Nordstrom's current research has been directed toward understanding the dynamic processes affecting the size, shape and location of beaches and dunes in ocean, estuarine, and tidal inlet environments. These investigations have involved assessment of characteristics of winds, waves and currents and the effect of these processes on coastal sedimentation and changes to coastal landforms. Models of beach and shoreline change have been formulated for both undeveloped and developed coasts. His research has also been directed towards analysis of natural hazards and land use, requiring assessment of social, economic, and legal implications. The results of his research have been used to examine strategies applicable to national problems, such as management requirements for national seashores, Federal flood insurance guidelines, and a national policy on coastal erosion. Research projects designed for implementation at the state level include the development of guidelines for dune building and the formulation of comprehensive models for shoreline management in the form of dune management districts and coastal cliff management districts.

**Charles H. (Pete) Peterson, Ph.D.**

Pete Peterson is an Alumni Distinguished Professor in the Institute of Marine Sciences of the University of North Carolina at Chapel Hill. He has an AB from Princeton in biology and an MS and Ph.D. in population biology, with minors in oceanography, biometry and paleoecology, from the University of California, Santa Barbara. Pete has taught courses in biology, ecology and marine science at the University of Maryland Baltimore Co., the University of North Carolina, the University of Western Australia, University of Georgia, and the University of Nagasaki. He has been a NSP and Woodrow Wilson Postdoctoral Fellow, PEW Charitable Trust Scholar in Conservation and the Environment and from 1990-93 received the NSF Special Creativity Award. Dr. Peterson has served on several National Academy NRC Study Panels, NC Marine Fisheries Commission, ICES Shellfish,

Mariculture Committees, NC Environmental Management Commission and NC Sedimentation Control Commission. He has had several recent publications on the management of fisheries and marine ecosystems, habitat degradation, sandy beach invertebrates, essential fish habitat and the response of bay scallops to spawner transplants in journals such as *Science*, the *Bulletin of Marine Science*, *Mar. Ecol. Prog. Serv.*, and *Ecol. Applic.*

**Mark Peterson, Ph.D.**

Dr. Mark Peterson is an Associate Professor in the Department of Coastal Sciences, College of Marine Sciences at the University of Southern Mississippi, where he is also the departmental Coordinator of Graduate Studies. Mark has a Bachelor's degree in marine science from Coastal Carolina University, a Master's in bio-environmental oceanography from the Florida Institute of Technology, and a Ph.D. in biological sciences from the University of Southern Mississippi. Dr. Peterson has taught courses in marine ichthyology, the ecology of fishes, coastal processes, animal behavior and zoology at Mississippi State University and the University of Southern Mississippi. He has conducted research on experimental causes of fish kills in euryhaline, subtropical resident and transient fishes in impounded mangrove habitats at the Harbor Branch Oceanographic Institution and as an Associate Research Scientist at the Gulf Coast Research Laboratory, Institute of Marine Sciences at the University of Southern Mississippi, and served as a consultant to the South Florida and Southwest Florida Water Management Districts.

**Martin H. Posey, Ph.D.**

Dr. Martin H. Posey is a Professor in the Department of Biological Sciences at the University of North Carolina at Wilmington. Martin holds a B.A. in Zoology with highest honors from the University of North Carolina at Chapel Hill and a Ph.D. in Biology from the University of Oregon. He has served as a visiting scientist and postdoctoral fellow at the Smithsonian Environmental Research Center. His current research interests are in the trophic interactions in marine and estuarine systems; benthic ecology; wetlands biology and restoration; biology of shrimp and blue crabs; oyster reef habitat function; reef ecology; and the effects of disturbance on benthic communities. Martin has published 44 peer-reviewed articles in journals such as *Estuaries*, *Journal of Experimental Marine Biology and Ecology*, and *Bulletin of Marine Science*.

**Chet Rakocinski, Ph.D.**

Dr. Chet F. Rakocinski is an Associate Research Scientist in the Department of Coastal Sciences, College of Marine Sciences at the University of Southern Mississippi Gulf Coast Research Lab in Ocean Springs, MS. Chet has a Bachelor's and Master's degree in Biological Science from Northern Illinois University and a Ph.D. in Biological Science from the University of Southern Mississippi. He has authored/co-authored 35 scientific journal articles, presented or co-authored 63 invited or contributed presentations at regional, national, and international scientific meetings, was recently an Associate Editor for *Estuaries* and is currently the Secretary-Treasurer for the Gulf Estuarine Research Society. Dr. Rakocinski's research interests center around benthic ecology and fisheries ecology in marine, estuarine, and freshwater habitats; the recruitment ecology of early life-stages of estuarine dependent fisheries species; macrobenthic responses to environmental change and anthropogenic alteration, habitat use, trophic ecology, and the effects of biotic interactions on trophic relationships.

**Gary L. Ray, Ph.D.**

Dr. Gary L. Ray is a currently a research marine biologist with the U. S. Army Engineer Research and Development Center, Waterways Experiment Station (WES), Vicksburg, MS. He holds a BS in Biology from Purdue University (1971), a MS in Biology from the University of Delaware (1974), and a PhD in Zoology from Rutgers University (1982). Prior to coming to WES in 1990 he was employed in private consulting in the north Florida area and was part of research team at Florida State University. A specialist in the ecology of estuarine and marine benthic invertebrates, he has worked on a variety of USACE projects involving impacts to benthic assemblages. Projects include development of infaunal assemblages on new work dredged material in Galveston Bay, TX; impacts due to open water disposal of maintenance dredged materials in Corpus Christi Bay, TX; development of infaunal assemblages on constructed mud flats at Jonesport, ME; variation of infaunal community structure among intertidal and subtidal habitats of Padilla Bay, WA, and nourishment impacts on New Jersey beaches.

**Tracy Monegan Rice**

Tracy Monegan Rice is a geologist with the U.S. Fish and Wildlife Service in the Raleigh Ecological Services Field Office. She has a Bachelor's degree in geology from Wittenberg University and a Master's in coastal geology from the Program for the Study of Developed Shorelines in the Division of Earth and Ocean Sciences of the Nicholas School of the

Environment and Earth Sciences at Duke University. Tracy was a Fulbright Scholar at the University of Iceland, Reykjavik, and an American Meteorological Society/NOAA Office of Global Programs Fellow at Duke. Joining the federal government through the Presidential Management Intern (PMI) Program in 1999, Tracy provides technical assistance on federal projects and permits, coastal processes, and natural hazards to Service biologists in the Carolinas and the southeast. Her M.S. thesis developed a risk assessment method for damages from major hurricanes for development along estuarine shorelines. Tracy has co-authored articles in *Shore and Beach* and the *Journal of Coastal Research* and has co-authored a handbook (in press) on the beaches of North Carolina with Orrin H. Pilkey, Jr.

### **S. Gordon Rogers**

Gordon Rogers was graduated from the University of Georgia (Athens) with a B.S. in Zoology, and performed graduate work there and at Skidaway Institute of Oceanography (Savannah). His research has included behavioral, population, and community studies of subtropical reef fish species, alosids, sea turtles, penaeid shrimps, blue crab, and Atlantic and shortnose sturgeons. He has also developed and administered state FMPs and allocation strategies including managing public input and rulemaking. He was a founding member of Altamaha Riverkeeper, Inc. and is on the board of trustees of the Southern Kingfish Association, Inc. He also currently serves on the Shortnose Sturgeon Recovery Team (NMFS). Mr. Rogers was employed by the Georgia Department of Natural Resources from 1985 to 1995, and currently owns a company which recycles and manages solid and liquid wastes in southeast Georgia. He is married with two children who are 3 and 5 years old.

### **Dan Smalley**

Dan Smalley is a fish and wildlife biologist in the Division of Federal Program Activities, Branch of Federal Activities. He received a Bachelor of Science Degree from Stetson University and a Master of Science Degree from the University of Florida. Dan spent two years in the United States Army with one year served in Viet Nam and then taught high school biology in Apopka, Florida. In 1973 he went to work for the Federal Power Commission (now the Federal Energy Regulatory Commission) for four years, and then came to the Fish and Wildlife Service in 1977. He has worked in both the Permits and Federal Project arenas over the years. Most recently, Dan was the Service's representative on the Steering Team for the Stream Corridor Restoration: Principles, Processes and

practices book and related activities, Corps of Engineers Civil Works Program person for the Branch, and instructor for the Fish and Wildlife Coordination Act course at NCTC. He also does computer graphics and desk top publishing for the Division and developed and maintains several Web pages associated with Federal Activities.

### **Randy Swilling**

Randy Swilling is a Fish and Wildlife Biologist with the U.S. Fish and Wildlife Service in the Utah Ecological Services Office. Prior to moving to Salt Lake City in July 2001, Randy was a Wildlife Biologist at the Bon Secour National Wildlife Biologist. He holds a Bachelor's degree from Clemson University in Aquaculture Fisheries and Wildlife Biology and a Master's degree from Auburn University in Zoology. Randy started working for the Department of the Interior at the Cape Hatteras National Seashore as a SCA volunteer and biological technician before moving to the South Carolina Department of Natural Resources Nongame and Endangered Species Section.

### **Elizabeth Souheaver**

Elizabeth Souheaver has been in refuge management with the Fish and Wildlife Service for the past 18 years. Elizabeth started her career as a cooperative education student at St. Marks National Wildlife Refuge and has since worked on ten refuges primarily in the Southeast Region. She recently completed a work assignment in the Washington Office as the Acting Chief for the Division of Natural Resources. She found the department and agency just beginning to show an emphasis on working with marine and coastal issues for refuge system. Elizabeth is now serving as the refuge manager for Southeast Louisiana Refuges Complex in Slidell, Louisiana.

### **Steve Szedlmayer, Ph.D.**

Dr. Steve Szedlmayer is an Associate Professor and Extension Marine Specialist in the Department of Fisheries and Allied Aquacultures at Auburn University, located at their Gulfcoast Substation in Fairhope, Alabama. Steve's research interests include flatfish; the ethics of angling; the design, placement and permitting of artificial reefs; the life history of red snapper; the life history of gray triggerfish; and the enhancement of red snapper habitat via the placement of oyster shells on offshore hardbottoms.

**E. Robert Thieler, Ph.D.**

Rob Thieler is a research geologist with the U.S. Geological Survey. His current research focuses on modern processes of inner continental shelf and coastal sedimentation and Quaternary coastal evolution. His overall approach in studying this environment is to use field data and theoretical considerations to resolve the different spatial and temporal scales involved in inner shelf sedimentation and evolution. This research involves field work in the form of geophysical surveys (seismic, sidescan sonar, multibeam bathymetry), vibracoring, diver-based sampling, and deployment of physical oceanographic instrumentation. He also has a number of interests in applied coastal studies and environmental geology, which include historical shoreline change and hazards mapping, as well as public education about coastal hazards and coastal environmental problems.

Rob has a B.A. in political science and environmental studies from Dickinson College. He holds an M.S. in environmental science and a Ph.D. in geology from Duke University. Rob had a post-doctoral appointment with the USGS from 1997-2000, when he became a permanent member of the USGS scientific staff.

**Jim Valade**

Jim Valade is a wildlife biologist with the U.S. Fish and Wildlife Service. Current responsibilities include manatee recovery activities. He has more than 20 years of experience working with manatees, marine mammals, and coastal ecosystems. These experiences include work as a field biologist investigating marine mammals in north Florida and coastal Georgia for the State of Florida and other government agencies, as well as work in private industry.

**Susan L. White**

For the past year, Susan has been a program specialist at the national headquarters of the National Wildlife Refuge System of the U.S. Fish and Wildlife Service. She is the Service's lead representative to the inter-departmental implementation of Executive Orders on Coral Reef Protection (13089) and Marine Protected Areas (13158). She is also temporarily serving as the lead on these issues for the Department of the Interior. She coordinates with NOAA and other federal and state agencies for the implementation of these Orders and the policies to support them, in addition to internal coordination with other agencies in the Department and other programs in the Service. She provides Washington level support to field offices in relation to coral reef and marine resource issues. Prior to Washington

responsibilities, Susan was the marine resources manager at the Florida Keys National Wildlife Refuges. She initiated the marine program there during her four year tenure, coordinating successfully with other federal and state agencies and the scientific community for enhanced protection of the marine resources of the Refuges. Before working with the Service, Susan co-developed a public advocacy campaign for support of the Florida Keys National Marine Sanctuary while employed with national non-governmental organizations. Susan began her career in marine resource protection/ management as the manager of the Saba Marine Park, in the Dutch West Indies from 1989-1994. As the SMP's first park Manager, at a time when marine parks were just being explored, Susan took a fledgling park and made it one of the models for marine protection in the world. Susan has two B.Sc. in marine biology and oceanography and a provisional secondary education teaching certificate.

**Dara Wilber, Ph.D.**

Dara is a marine scientist for DynTel, providing technical support for the Army Corps of Engineers in assessing the biological impact of various coastal projects. She has published papers on the effects of dredging on benthic infauna, suspended sediment impacts on fishes, the diversion of a river on estuarine biota, and most recently the effects of a beach nourishment project on surf zone fish dynamics.

**S. Jeff Williams**

Jeff Williams is a research marine geologist with the U.S. Geological Survey. He specializes in coastal, estuarine and inner shelf geologic framework history and processes with over 30 yrs experience in understanding the geologic origins and evolution of coastal and estuarine and Great Lakes systems, late Quaternary sea-level history, and geologic character of modern shelf sand bodies. He has participated in more than 80 field studies, managed many large and complex field projects nation-wide, published more than 200 papers and reports, and been a member on more than a dozen high-level national science committees including the NRC, NOPP, the 1998 National Oceans Conference, and the Coral Reef Task Force. He served as the Coordinator of the Coastal and Marine Geology Program in the USGS Reston, VA headquarters, managing and directing 250 staff and a budget of \$38M, from 1996 to 2000. Jeff returned to full time research in July 2000. Prior to joining the USGS, Jeff was a research marine geologist with the Coastal Engineering Research Center after receiving degrees in geology/oceanography from Allegheny College and Lehigh University and military service. His current research focus is in three areas: carrying out a national

synthesis and assessment of the state-of-knowledge about offshore marine sand and gravel aggregates, examining the risk and vulnerability of US coastal regions to future rise in relative sea-level, and serving as a scientific advisor to system-scale coastal and wetland restoration activities underway and planned for Louisiana. Jeff lives on the coast in West Falmouth, Cape Cod, high enough on the glacial moraine to avoid erosion and future sea-level rise, and enjoys exploring the New England coast.

**Mark S. Woodrey, Ph.D.**

Dr. Mark Woodrey is the Assistant Nongame Migratory Bird Coordinator for the Southeast Region of the U.S. Fish and Wildlife Service. He holds a Bachelor's and Master's degree from Ohio State University in Zoology and a Ph.D. in Biological Science from the University of Southern Mississippi. For the past seven years he has worked as the Avian Ecologist at the Mississippi Museum of Natural Science. His interest and work at the museum focused on the ecology of bird migration, the winter ecology of grassland birds across the Southeast, the reproductive ecology of the endangered Interior Least Tern, and the nesting ecology of Swallow-tailed Kites in Mississippi. He has been strongly involved in bird conservation throughout the Southeast through the Partners in Flight program and has been involved in the preparation and writing of several Partners in Flight Bird Conservation Plans. In his current position, he continues to promote the use science-based information to support the conservation of bird species of high conservation concern.