

SCRIPPS HOWARD

Institute on the Environment

2007 Program

Jupiter, Florida
May 29 - June 2

**Coordinated by the
School of Communication and
Multimedia Studies at**

FAU

**FLORIDA ATLANTIC
UNIVERSITY**

John D. MacArthur Campus at Jupiter



Our Sponsor



The **Scripps Howard Foundation** is the corporate foundation of The E.W. Scripps Company. Our mission is to advance the cause of a free press through support of excellence in journalism, quality journalism education and professional development. The Foundation helps build healthy communities and improve the quality of life through support of sound educational programs, strong families, vital social services, enriching arts and culture, and inclusive civic affairs, with a special commitment to the communities in which Scripps does business.



**SCRIPPS HOWARD
FOUNDATION**

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Director's Note

Welcome to South Florida, to FAU's MacArthur campus, to the greater Everglades region and to a week of environmental exploration and education. This is the second year for the *Scripps Howard Institute on the Environment* in South Florida. Building upon our 2006 launch, we have modified the 2007 program to give journalists more time in the field while paring back classroom talks (but not entirely escaping PowerPoint slides and laser pointers). We tried to be ambitious this year without being exhausting and have tucked 40-plus speakers and a variety of topics into our five-day program. South Florida abounds in environmental conflicts and issues, making it a stimulating laboratory for study: from Everglades restoration, to the tug-of-war over the fate of Lake Okeechobee, to water releases that blow out estuaries, to controversial steps to save the endangered Cape Sable seaside sparrow, to reef-smothering algae fueled by nutrient pollution, to development's steadfast appetite for dwindling green space. This week, you will get a first-day primer on the South Florida environment, hike into some of our signature upland and coastal habitats, gain insight into climate modeling, step into laboratories at the Fort Pierce Smithsonian Marine Station, boat along the restored Kissimmee River, talk with sugar farmers near Lake Okeechobee, trek into the Everglades (at both ends), search for nesting sea turtles on a moonlit beach and snorkel in Biscayne Bay. You'll have some quality time with Florida and national environmental experts, and hear some veteran journalists detail their investigative work on wetlands, offer pointers on science-writing and provide advice on covering the world of water. Water defines much of our program and this region, creeping inches deep across the Everglades, accumulating in prolific aquifers just underfoot, edging Atlantic shorelines and falling copiously from above (when we are not parching under a drought). Although rooted in South Florida, our program of study is crafted to be relevant beyond the region and hopefully instructive for journalists covering similar issues in other states. The Scripps Howard Foundation and FAU's School of Communication and Multimedia Studies together make this program happen. By the time we wind to our conclusion Saturday evening, we hope to have had a role in molding a better-informed group of journalists, and in elevating the standards of environmental reporting.

Sincerely,

Neil Santaniello

Neil Santaniello, Institute Director
School of Communication and Multimedia Studies
Dorothy F. Schmidt College of Arts and Letters
Florida Atlantic University



Our Setting: The Jupiter Area

At first glance, your headquarters for exploration this week – a community tucked between West Palm Beach and Stuart — might look like plain-vanilla suburbia. But there's a bit more ecological sensitivity around than you might think.

Our base camp – Florida Atlantic University's John D. MacArthur campus — is part of Abacoa, a New Urbanist community in Jupiter, population 50,000. Abacoa follows a mixed-use development pattern that offers northern Palm Beach County an alternative to open space-devouring sprawl.

North of the campus, you will find walkable neighborhoods (missing the isolating gates and walls synonymous with much of South Florida) and development clustered to protect open space. Woven into the 2,000-acre Abacoa landscape is a five-mile greenway, a 60-acre preserve for gopher tortoises (a state species of special concern), a walking path built along a restored water flow system and lawns sprinkled with recycled wastewater. To be sure, there are restaurants, shops and golf courses, too, and – just across from campus – the Roger Dean Stadium, where the Florida Marlins and St. Louis Cardinals play spring training games.

Four miles east of campus, along the Atlantic coast, endangered sea turtles bury their eggs in beach sand each spring and summer. Jupiter is home to the Jupiter Inlet, the southern extent of the Indian River Lagoon, deemed North America's most biologically diverse estuary. Threatened scrub jays and 14 percent of the world's population of the endangered four petal pawpaw can be found inside the nearby Juno Dunes Natural Area. One Interstate 95 exit to the north, the wild-and-scenic Loxahatchee River winds past cypress and mangrove trees. Spreading west of Jupiter are more spacious protected lands that include the 60,000-acre J.W. Corbett Wildlife Management Area, the 18,000-acre Pal-Mar wetlands and the 12,000-acre Loxahatchee Slough.



Spanning 135 acres of former farmland, the John D. MacArthur campus is one of seven FAU campuses stretching from Dania Beach to Port St. Lucie. Opened in the Fall of 1999, it enrolls more than 3,500 students and houses the Harriet L. Wilkes Honors College, a four-year residential liberal arts and sciences program. Jupiter students are offered a wide range of upper-division (junior/senior year) and graduate programs from six of FAU's colleges, including 17 bachelor's degrees and seven master's degrees. A thriving Lifelong Learning Society provides non-credit liberal arts courses for mature students. The campus is sprouting a biomedical research hub, the direct result of environmental advocacy.

Environmental groups waged a successful campaign to steer this growth magnet away from major western conservation lands and into Jupiter's more urban setting east of I-95. As a result, the California-based Scripps Research Institute is building its 364,000-square-foot East Coast expansion on the west end of the MacArthur campus. Nearly 200 Scripps Florida scientists, technicians and administrative staff now work in temporary buildings and trailers while they await the 2009 opening of this permanent home. Scripps Florida's presence is expected to make the area a new center of biomedical and drug discovery science and bolster this young campus's future in research and education.





General Information

RESIDENCE HALL POLICIES:

As temporary residents of university housing, please observe these rules. You will find a list of residence hall policies included in your room welcome bag. If you have a housing problem or question during your institute stay, please do not hesitate to discuss this with either Neil Santaniello or Alana Edwards, your program coordinators and campus hosts.

COMPUTER USAGE:

There are two options for getting on line and accessing your email and the internet via Jupiter campus computers:

1— Go to the computer lab next door to SR 108, our main classroom. You will find the lab right behind the vending machines. FAU will equip you with a guest access code upon your arrival.

2— Use the campus library computers. No access code is needed to get onto the internet. The library is located east of the Student Resources building, just a short walk across campus.

EVALUATIONS:

Your feedback on institute speakers, topics, field trips and other operations is very valuable to FAU and the Scripps Howard Foundation. We want to know what we did well, and what needed improvement. Please be sure to fill out and turn in the evaluation form included in your welcome folder. We will pass out an additional conference keepsake in return for the completed evaluation.

CONTACT INFO:

Neil Santaniello – SR 257 / 561-799-8047 (o) / 561-212-7446 (c)

Alana Edwards – SR 250 / 561-799-8462 (o) / 561-348-4186 (c)

Housing Office – RH1 108 / 561-799-8828 (o) / 561-596-1770 (c)

Campus Police – SR 150 / 561-799-8700 (o) / 561-339-0015 (c)

Library Service Desk – LB105B / 561-799-8530

Tuesday, May 29, 2007

8:30-9:30 a.m. **Welcome reception and breakfast buffet, The Burrow, Student Resources (SR) building**
Dr. Susan Reilly, Director, School of Communication and Multimedia Studies, Florida Atlantic University; Dr. Leonard Berry, Director, Florida Center for Environmental Studies

9:30-10:00 a.m. **Introductions, SR 108**

10:00-12:00 p.m. **South Florida overview: Water flows and local ecology/ Politics and policies: Challenges for environmental advocates/The journalist's view**
Tommy Strowd, Assistant Deputy Executive Director, South Florida Water Management District; Eric Draper, Deputy Director for Policy, Audubon of Florida; Robert P. King, Environmental Reporter, The Palm Beach Post

12:00-1:00 p.m. **Alternative energy update**
LUNCH *Dr. James Fenton, Director, Florida Solar Energy*

1:00-1:45 p.m. **Keeping green space green: Florida land conservation strategies**
Dr. Richard Hilsenbeck, Associate Director of Protection, The Nature Conservancy, Florida



2:00-5:00 p.m. **Field trip to Juno Scrub and two other local nature preserves: Public lands continued - A South Florida ecosystem sampler**
Dr. Richard Hilsenbeck, The Nature Conservancy; David Gillings, Environmental Manager, Palm Beach County Department of Environmental Resources Management

5:15-7:00 p.m. Dinner at Waterway Café

7:30-8:30 p.m. **Keynote address — *The Daily Planet: A journalist's search for sustainability, from the Amazon to the Arctic***
Andrew C. Revkin, Environmental Reporter, The New York Times



Wednesday, May 30, 2007

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- 7:00-8:00 a.m. Breakfast
- 8:00-10:30 a.m. **The climate change challenge: Climate modeling and prediction/Climate change impacts and adaptation/State policies and legislative action**
Keith Dixon, Research Climatologist, NOAA Geophysical Fluid Dynamics Laboratory; Dr. Stephen Mulkey, Associate Professor, Botany Department, University of Florida; Jerry Karnas, Regional Outreach Coordinator, National Wildlife Federation
- 10:30-11:30 a.m. **Litigation and practical realities**
David Baron, Staff Attorney – Washington, D.C. Office, Earthjustice
- 11:30-12:30 p.m. **Bulldozers and blacktop: Government's failures to control the growth machine**
Richard Grosso, Executive Director/General Counsel, Everglades Law Center
- 12:30-1:30 p.m. Travel to Fort Pierce / Lunch on the bus
- 1:30-3:30 p.m. **Harbor Branch Oceanographic Institution**
Bio-prospecting: Drugs from the sea
Dr. Peter McCarthy, Associate Director of Biomedical Marine Research, Harbor Branch Oceanographic Institution
Sliming the sea: Polluted runoff, algal blooms and their threats to marine environments
Dr. Brian LaPointe, Senior Scientist, Harbor Branch Oceanographic Institution
- 3:30-4:00 p.m. Travel to Smithsonian Marine Station at Fort Pierce
- 4:00-5:30 p.m. **Marine Station Tour**
Dr. Valerie Paul, Head Scientist, Smithsonian Marine Station at Fort Pierce
- 5:30-6:30 p.m. Return to campus
- 7:00-8:30 p.m. **Dinner and talk: Vanishing wetlands, an investigative reporting case study**
Craig Pittman, Environmental Reporter, St. Petersburg Times; Matthew Waite, Investigative Reporter/Researcher, St. Petersburg Times

Thursday, May 31, 2007

7:00-8:00 a.m. Breakfast

8:00-10:00 a.m. Travel to Riverwoods Field Laboratory

10:00 a.m. -1:00 p.m. **Boat tour: Wetland restoration that worked – putting the meander back into the Kissimmee River**

**Lunch
on the boat**

Loisa Kerwin, Riverwoods Director, Florida Center for Environmental Studies; Alana Edwards, Education and Training Coordinator, Florida Center for Environmental Studies; Lawrence Glenn, Director, Kissimmee Division, South Florida Water Management District

1:00-2:00 p.m. **Water and wildlife down the flood control drain: A watershed plumbing project's damaging environmental consequences**

Dr. Paul Gray, Science Coordinator, Lake Okeechobee Watershed Program, Audubon of Florida

2:00-4:00 p.m. Travel to Everglades Agricultural Area and Clewiston

4:00-6:30 p.m. **The farmer in the muck: Environmentally friendlier growing practices**

Judy Sanchez, spokeswoman, U.S. Sugar Corp.; Malcolm Wade, Senior Vice-President for Sugar Operations, U.S. Sugar; Robert Coker, Senior Vice-President for Public Affairs, U.S. Sugar Corp.; Rick Roth, President, Roth Farms, Inc.

6:30-8:00 p.m. Return to campus



Friday, June 1, 2007

- 7:00-8:00 a.m. Breakfast
- 8:00-9:00 a.m. Travel to Arthur R. Marshall Loxahatchee National Wildlife Refuge
- 9:00 a.m. - 1:00 p.m. Canoe trip (drought permitting) into the northern Everglades
- Death by phosphorus: water quality and the Everglades cleanup**
Dr. Nick Aumen, Aquatic Ecologist, Everglades National Park
- Return of the natives: The invasive species problem – debugging landscapes through biological control**
Dr. Chris Dionigi, Assistant Director for Domestic Policy, Science and Cooperation, National Invasive Species Council; Michael Bodle, Senior Environmental Scientist, South Florida Water Management District; Bill Miller, Refuge Biologist, U.S. Fish and Wildlife Service
- From waterlogged to mud-bogged: Drought in the ‘Glades**
Bill Miller, Refuge Biologist, U.S. Fish and Wildlife Service
- The Everglades in miniature: Project LILA**
Dr. Dale Gawlik, Assistant Professor, Department of Biological Sciences, Florida Atlantic University
- 1:00-2:00 p.m. Lunch at the refuge / Cypress Swamp boardwalk stroll
- 2:00-2:45 p.m. Return to campus
- 3:00-4:00 p.m. ***Water wars in the East and the water beat: it’s not just quality but quantity***
Cynthia Barnett, reporter, Florida Trend, author of Mirage: Florida and the Vanishing Water of the Eastern U.S.
- 4:00-5:30 p.m. **Science writing workshop**
David Perlman, Science Editor, San Francisco Chronicle
- 5:30-6:30 p.m. Pre-dinner break
- 6:30-7:00 p.m. Travel to John D. MacArthur Beach State Park on Singer Island
- 7:00-11:00 p.m. Catered dinner and post-meal talk
- Beaches sharing condos, snowbirds and sea turtles: Threats to marine turtle reproduction**
Kirt Rusenko, Marine Conservationist, Gumbo Limbo Nature Center, Boca Raton; Meghan Koperski, Environmental Specialist, Florida Fish and Wildlife Conservation Commission
- Guided beach walk to look for nesting loggerhead sea turtles**
Rob Matriscino, Ranger, John D. MacArthur Beach State Park



Saturday, June 2, 2007

- 7:30-10:30 a.m. Box breakfast on the bus
 Travel to Biscayne National Park
- 10:30 a.m.-
 1:30 p.m. Snorkeling in Biscayne Bay
- 1:30 p.m. **Climate change and coral reef decline / The coral reef as harbinger of future environmental stress**
Billy Causey, Southeast Regional Superintendent, National Marine Sanctuary Program
- Anglers prohibited: the impact of no-fishing zones**
Dr. Jim Bohnsack, Director, Protected Resources and Biodiversity Division, Southeast Fisheries Science Center/NOAA
Timothy O'Hara, Reporter, Key West Citizen
- 1:30-2:00 p.m. Lunch at the park
- 2:00-2:30 p.m. Travel to Everglades National Park, Homestead entrance
- Long Pine Key exploration: Hike into a pine forest, hardwood hammock and open glade
- Millions of people at your door: Coping with urban pressures at a national park**
Dr. Carol L. Mitchell, Deputy Director for Science, South Florida Natural Resources Center; Cherry Payne, Chief of Interpretation, Everglades and Dry Tortugas National Parks
- 5:00-5:30 p.m. Stop at *Robert Is Here* fruit stand for refreshments
- 5:30-8:00 p.m. Instructional program ends, return to campus



Sunday, June 3, 2007

- 7:00-8:00 a.m. Breakfast on campus
 Participants depart

Speaker Bios

All speakers for the institute are listed in alphabetical order.



Keynote Speaker



Field Presenters



Formal Presentations



Dr. Nick Aumen, Ecologist, Everglades National Park, nick_aumen@nps.gov

Nick Aumen is an aquatic ecologist for Everglades National Park, and oversees an interagency team of scientists and engineers tracking the progress of the South Florida ecosystem restoration program. His team, located at the Arthur R. Marshall Loxahatchee National Wildlife Refuge, assesses the potential impacts of restoration programs on Everglades National Park and other sensitive federal lands. Formerly, he served as research director at the South Florida Water Management District in West Palm Beach, directing a team of 120-plus scientists and engineers conducting research in support of ecosystem restoration.



David Baron, Staff Attorney, Earthjustice, dbaron@earthjustice.org

David Baron is a staff attorney in Earthjustice's Washington, D.C., office. He received his undergraduate degree from Johns Hopkins University and his law degree from Cornell Law School. He clerked for Judge Anthony Celebrezze of the U.S. Court of Appeals for the Sixth Circuit and subsequently conducted environmental enforcement actions as an assistant attorney general for the State of Arizona. From 1981 to 1998, he lived in Tucson, where he conducted environmental litigation for the Arizona Center for Law in the Public Interest. He has taught as an adjunct professor at the University of Arizona College of Law, Arizona State University College of Law and Tulane Law School. He studied environmental issues in Europe as a German Marshall Fund Fellow. He joined the Washington, D.C., office of Earthjustice in 1999.



Cynthia Barnett, Associate Editor, *Florida Trend*, cynthia_barnett@yahoo.com

Cynthia Barnett has been a reporter and editor at newspapers and magazines for 20 years. Since 1998, she's written for *Florida Trend* magazine, where she covers investigative, environmental, public policy and business stories. Her previous positions include metro editor of *The Gainesville Sun* (Florida) and senior reporter at *The News & Observer* of Raleigh in North Carolina. Among numerous journalism awards, she's won three investigative-reporting prizes in the *Green Eyeshades*, which recognizes the best journalism in 11 southeastern states. She earned a bachelor's degree in journalism and master's in American history with a specialization in environmental history, both from the University of Florida. In 2004, she was awarded a Knight-Wallace Fellowship at the University of Michigan, where she spent a year studying freshwater supply. Her first book, *Mirage: Florida and the Vanishing Water of the Eastern U.S.*, was published in April by the University of Michigan Press.



Dr. Leonard Berry, Director, FAU's Center for Environmental Studies, berry@fau.edu

Leonard Berry earned his doctorate from the University of Bristol, England, with studies focused on the East and South Asia tropical environment. Twelve years' residence in Eastern Africa at various university positions drew him toward an interest in natural resource management, rural development applied problems and regional planning problems. At Clark University, he served as Professor of Geography, Graduate School of Geography Director and Provost before leaving for Florida Atlantic University in 1987. In 1994 he was appointed Director of the Florida Center for Environmental Studies (CES), a state-wide center for the state university system that focuses on critical environmental management issues in Florida and tropical or subtropical ecosystems worldwide. He has authored/edited 21 books and more than 250 professional papers and reports and has served as a consultant to many environmental development agencies.

Aumen

Baron

Barnett

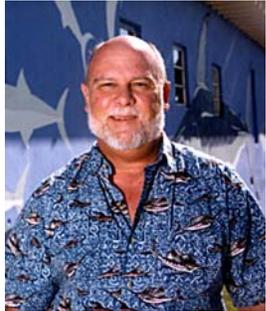
Berry



Mike Bodle, Senior Environmental Scientist, South Florida Water Management District, mbodle@sfwmd.gov

Mike Bodle has been a South Florida aquatic biologist for more than 20 years. He holds a B.S. from Notre Dame and an M.S. from Florida Institute of Technology. A past chair of the Florida Exotic Pest Plant Council, he works as a senior environmental scientist for the South Florida Water Management District. He has specialized in vegetation management for the past 18 years.

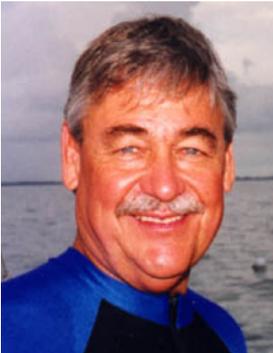
Bodle



Dr. Jim Bohnsack, Director, Protected Resources and Biodiversity Division, Southeast Fisheries Science Center, jim.bohnsack@noaa.gov

Jim Bohnsack is a Supervisory Research Fishery Biologist and Director of the Protected Resources and Biodiversity Division, Southeast Fisheries Science Center (NOAA Fisheries, U.S. Dept. of Commerce) in Miami. He also is an adjunct professor at the Rosenstiel School of Marine and Atmospheric Science, University of Miami. He earned a Bachelor of Science from Tulane University and a Master of Science and Ph.D. from the University of Miami. He has authored more than 100 publications focused on coral reef ecology, reef fishes, artificial reefs and the application of marine reserves to promote sustainable fisheries and protect marine biodiversity. He was the U.S. representative on the ad hoc Technical Expert Group (AHTEG) on Marine and Coastal Protected Areas for the International Convention on Biological Diversity, and has been a technical advisor on the successful establishment of marine protected areas in Florida, Hawaii, Alaska, California, the Virgin Islands and Puerto Rico for NOAA Fisheries, the National Marine Sanctuary Program and the National Park Service. In 2000, he received a National Award from the Center for Marine Conservation in recognition for his research on marine reserves. He received the U.S. Department of Commerce Bronze Medal Award for Superior Federal Service in 2000 and, in 2001, for leading NOAA fisheries participation in the U.S. Coral Reef Task Force and for his work on Marine Protected Areas.

Bohnsack



Billy D. Causey, Director, National Marine Sanctuary Program Southeast Region, billy.causey@noaa.gov

Billy Causey has managed national marine sanctuaries in the Florida Keys since 1983 and is currently director of the National Marine Sanctuary Program's Southeast Region, which includes the Florida Keys National Marine Sanctuary, Flower Garden Banks National Marine Sanctuary and Gray's Reef National Marine Sanctuary. His territory includes the Atlantic, Gulf of Mexico and Caribbean Region. From 1990 to 2006, he headed up the 2,900-square-nautical-mile Florida Keys National Marine Sanctuary. He was the lead National Oceanic and Atmospheric Administration (NOAA) official in the development of the management plan for the Keys Sanctuary, which is the second largest marine protected area in the United States. He has led efforts to establish the first large-scale marine zoning network in the United States, including the recent establishment of the Tortugas Ecological Reserve, a 151-square-nautical-mile fully protected area. He received a Bachelor of Arts

Causey

Coker

degree from the University of Corpus Christi in 1967, a Master of Science degree from Texas A&I University in 1969 and did three years of post-graduate work at the University of South Florida. He has specialized in coral reef ecology, reef fish and marine protected areas. He has received numerous awards with the most recent (2005) being NOAA's Distinguished Career Award. He has received NOAA's Administrator's Award and the "Gift To The Earth" award presented by the World Wildlife Fund for his work on the Tortugas Ecological Reserve. He serves as the liaison with local, state and other federal agencies responsible for management of natural resources in the Florida Keys and the South Florida ecosystem.



Robert Coker, Senior Vice President, U.S. Sugar, rcoker@ussugar.com

Robert Coker is Senior Vice President, Public Affairs, of United States Sugar Corporation. He is responsible for managing the company's federal, state and local government affairs department and the company's corporate and charitable giving programs. Prior to joining U.S. Sugar, he spent three years as executive assistant to the executive director of the Florida League of Cities. Before that, he worked for State Representative Ted Ewing, District 74. He holds a bachelor's degree in political science from Florida State University and has completed graduate work in public administration at Florida State University. He is a former Chairman of the Board of Regents for Leadership Florida. He serves on the board of directors for the Florida Council on Economic Education, the board of trustees of United Way of Palm Beach County and is Vice Chairman of the board of directors of the Southwest Florida Work Force Development Board.



Speaker Bios



 **Keith Dixon**, Senior Research Meteorologist, National Oceanic and Atmospheric Administration, keith.dixon@noaa.gov

Keith Dixon is a senior research meteorologist at the National Oceanic and Atmospheric Administration's (NOAA's) Geophysical Fluid Dynamics Laboratory (GFDL) located in Princeton, New Jersey. His expertise lies in the use of state-of-the-art computer models to simulate the Earth's global climate — past, present, and future. During a 20-year plus career at GFDL, his research has focused on using complex computer models to study climate change and variability, often with an emphasis on the ocean's role on decadal to centennial time scales. He has participated in national and international climate change assessment projects, including the Intergovernmental Panel on Climate Change (IPCC). In 2005, he received both an individual NOAA Research Employee of the Year Award and his second U.S. Department of Commerce Silver Medal. He and two colleagues received the same medal in 1993 for creating a computer model used by researchers worldwide. He is author or co-author of over 30 articles in scientific journals, has prepared exhibits for museums and developed graphics, animations and text used by major news organizations. Before joining GFDL in 1983, the New Jersey resident earned undergraduate and graduate degrees in meteorology from Rutgers University. Early in his professional career he also worked as a part-time radio broadcast meteorologist and taught at Rutgers University.

 **Eric Draper**, Deputy Director for Policy, Audubon of Florida, edraper@audubon.org

Eric Draper is Deputy Director for Audubon of Florida, a science and education organization with a staff of 60 and a \$5 million budget. He lobbies the Florida Legislature and executive agencies and directs Audubon's state and local advocacy staff. He is recognized as a leading advocate for Everglades restoration, water resource protection and land conservation. Before joining Audubon of Florida, he was Sr. Vice President for Policy for National Audubon Society. Before that he was staff director of the Florida House Majority Office. Previously, he was with The Nature Conservancy, where he led campaigns to win annual legislative approval of Florida's \$3 billion Preservation 2000 program and voter approval of 11 county and city programs valued at \$770 million. His public service has included being Chairman of Partners for a Better Florida, which proposed the Environmental Resource Permit, the Florida Water Management District Review Commission, the Energy 2020 Study Commission Environmental TAC and the Florida Transportation Plan 2025 Steering Committee. He now serves on the Florida Soil and Water Conservation Council, the Council for a Sustainable Florida and the Florida Oceans Alliance.



 **Alana Edwards**, Education & Training Coordinator, FAU's Center for Environmental Studies, aedwards@fau.edu

Alana Edwards graduated with her Master's in Environmental Science from FAU in 2001. Since that time she has worked as Education and Training Coordinator for CES. For several years she was stationed at the Riverwoods Field Laboratory located on a remnant section of the Kissimmee River where she educated students, teachers and environmental professionals about the Kissimmee River Restoration project. She is currently working on the Jupiter campus of FAU where she is involved in a variety of projects, including the Robert J. Huckshorn Arboretum and teacher training focusing on the Kissimmee-Okeechobee-Everglades Watershed.



 **Dr. James Fenton**, Director, Florida Solar Energy Center, jfenton@fsec.ucf.edu

James Fenton has been director of the Florida Solar Energy Center since January 2005. The center, a research institute of the University of Central Florida, is the country's largest and most active state alternative energy research center. He also serves as a professor in UCF's Mechanical, Materials and Aerospace Engineering Department. Prior to joining FSEC, he spent 20 years as a faculty member at the University of Connecticut. Dr. Fenton's research activities in fuel cells, pollution prevention and sustainable energy are helping FSEC expand its nationally-acclaimed research and education programs in hydrogen, solar energy and buildings' energy efficiency. He holds degrees from the University of Illinois and UCLA, and is the author, with his graduate students, of more than 120 scientific publications and a number of book chapters and patents.

Dixon

Draper

Edwards

Fenton



Dr. Dale Gawlik, Assistant Professor, Florida Atlantic University, dgawlik@fau.edu

Dale Gawlik is an Assistant Professor in the Department of Biological Sciences at Florida Atlantic University. He has conducted research on wading birds and other birds in the Everglades for 12 years and has written more than 30 scientific papers. His broad research interests are in avian ecology, wetland ecosystems and restoration ecology. One of his large-scale field experiments – examining the response of wading birds to different components of Everglades’ habitat – was published as a prestigious *Ecological Monograph* in 2002. His laboratory research bears directly on the Everglades restoration effort. He has been equally disappointed by watching management proceed unencumbered by science and by seeing elegant research wither in the sole confines of academic journals. His teaching interests are in the domains of ecology, conservation and restoration ecology. He teaches a graduate course in Conservation Biology, an undergraduate course in Ecology and a graduate seminar in Avian Ecology.

Gawlik



David Gillings, Environmental Manager, Natural Resources Stewardship Division, Palm Beach County Department of Environmental Resources Management, dgillings@co.palm-beach.fl.us

David Gillings has a B.S. in biology from the University of Wisconsin-Eau Claire with minors in chemistry and languages. He currently is an Environmental Manager in Palm Beach County’s Department of Environmental Resources Management (ERM). He has worked for ERM for 11 years, serving previously as Environmental Program Supervisor of the Wetlands Permitting and Compliance Program as well as the Land Acquisition and Planning Program. Prior to working for the county, he spent six years as a biological scientist with the international consulting firm Ecology & Environment, Inc. He has held his current position since 2004. He manages 26 staff members in ERM’s Planning and Support and Land Management and Monitoring sections. This group, in conjunction with ten Resources Maintenance personnel, manages Palm Beach County’s Natural Areas Program, which consists of 35 conservation lands totaling approximately 30,455 acres.

Gillings



Lawrence Glenn, Director, Kissimmee Division, South Florida Water Management District, lglenn@sfwmd.gov

Lawrence Glenn graduated from Florida Atlantic University in 1996 with a Master’s degree in Biology. He immediately began his career at South Florida Water Management District as a Scientific Technician working on the Kissimmee River Restoration Evaluation Program. In August 1997, he was promoted to Environmental Scientist and in 1999 he completed an evaluation of specific fish community metrics to determine fish community response to restoration. He has also authored performance measures that set post-restoration targets for specific fish community metrics using baseline and reference data. Results of his recent studies indicate an approximate 80% increase in the relative abundance of sunfish and bass in the restored section of the Kissimmee River since 2001. Currently, he serves as Director of the Kissimmee Division.

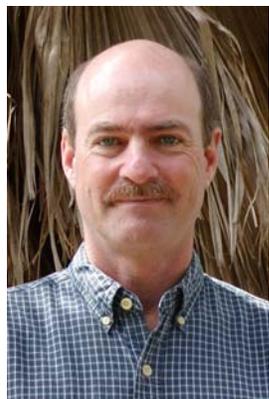
Glenn



Dr. Paul Gray, Science Coordinator, Lake Okeechobee Watershed Program, Audubon of Florida, audubon@okeechobee.com

Paul Gray is the Science Coordinator of Audubon of Florida’s Lake Okeechobee Watershed Program. In this role, he works with technical and policy teams designing and implementing the various restoration plans in the region, including Everglades restoration, the Lake Okeechobee Protection Plan, Kissimmee Chain of Lakes Long Term Management Plan and the Kissimmee River Restoration. Audubon believes that only by making Lake Okeechobee’s watershed healthier will we be able to ensure the health of the lake and the systems down stream of it. His educational background includes a Bachelor of Science from the University of Missouri, a master’s from Texas Tech University on wetland ecology and a doctorate from the University of Florida, working on Florida’s Mottled Duck in the Okeechobee region. He worked three years for the Florida Game and Fresh Water Fish Commission before joining Audubon.

Gray



Richard Grosso, Executive Director/General Counsel, Everglades Law Center, Inc., grosso@nsu.law.nova.edu

Since 1996, Richard Grosso has led a non-profit, public interest law firm representing clients on major legal cases and public policy decisions affecting the South Florida ecosystem. His clients include major environmental organizations. He lectures and writes frequently on legal and policy issues concerning the environment and land use. Before that, he served as legal director for 1000 Friends of Florida for six years and as Assistant General Counsel for the Florida Department of Community Affairs and the Florida Department of Environmental Regulation. Among other honors, he was named 2005’s “Most Effective Environmental Lawyer” by the *Daily Business Review* and 2002’s “Conservationist of the Year” by the Everglades Coalition.

Grosso



Speaker Bios

 **Dr. Richard A. Hilsenbeck**, Associate Director of Protection, The Nature Conservancy, Florida Chapter, rhilsenbeck@tnc.org

Richard A. Hilsenbeck has more than 30 years of experience in conservation biology, including 16 years with The Nature Conservancy. He earned a Ph.D. in Botany at the University of Texas at Austin and was a tenured professor of biology at a state university in West Texas. He is currently Associate Director of Protection for the Florida Chapter of the Conservancy and has statewide responsibilities. He is the author/co-author of more than 60 Preservation 2000, Save Our Rivers and Florida Forever projects, with many focused on the conservation of Florida's ranchlands. He is considered an expert in the area of conservation easements, ecological assessments and descriptive ecology of Florida's natural communities. He has primary responsibility within TNC for land acquisition issues before the state's Acquisition and Restoration Council and has been successful in guiding scores of projects through the State of Florida's initial land acquisition process.

 **Jerry Karnas**, Regional Outreach Coordinator, National Wildlife Foundation, karnas@nwf.org

Jerry Karnas is the Southeast Global Warming Campaign Director for the National Wildlife Federation. A native of Florida, he grew up in Cortez, where family members were mullet fishermen. Prior to joining NWF, he worked for Newfound Harbor Marine Institute in the Florida Keys, Florida PIRG in Tallahassee and served as a lobbyist for the Save the Manatee Club and the Florida Wildlife Federation during five legislative sessions. He has led state and federal level legislative campaigns on the Arctic National Wildlife Refuge, endangered species protection, mercury pollution from power plants, growth management, Clean Water Act and coastal habitat protection. He graduated from Swarthmore College in 1997 with a double major in political science and environmental studies and holds a master's degree in urban and regional planning from Florida State University.

Hilsenbeck



 **Loisa Kerwin**, Riverwoods Field Laboratory Director, FAU's Center for Environmental Studies, lkerwin@strato.net

Loisa Kerwin specializes in the development and implementation of creative education and outreach programs that focus on environmental science and education. In 1996, she joined the Florida Center for Environmental Studies (CES) at FAU. In 2000, she became Director of the Riverwoods Field Laboratory, a comprehensive Education and Research facility managed in partnership with the South Florida Water Management District. Over the past 11 years, she has developed a variety of field-based educational programs. These programs include Student Field Studies, Student Service Learning, Summer Camp, Water Resources Education for Teachers, Eco-tours and Environmental Training for Adults and Professionals, and Under-served Community Outreach.

Karnas

Kerwin

Robert P. King, Environmental Reporter, *The Palm Beach Post*, bob_king@pbpost.com

Bob King began reporting on Florida's environment in 1992 at the *Sarasota Herald-Tribune* and has been the environmental reporter at *The Palm Beach Post* since 1996. He also is a former adjunct instructor at Florida Atlantic University who taught FAU's first course in environmental journalism in 2000 and 2001. His coverage of the state's water crises, endangered species and Everglades restoration have won awards from several journalism organizations, including the Florida Press Club, the Florida Society of Newspaper Editors and the Tampa Bay chapter of the Society of Professional Journalists. He also has received the Al Burt Award from the group 1,000 Friends of Florida and the Waldo Proffitt Award in Environmental Journalism from the University of South Florida. In 2001, the Florida Wildlife Federation named him Conservation Communicator of the Year. King graduated from Penn State University in 1987 with a degree in journalism and a minor in science, technology and society.

King

Koperski



 **Meghan Koperski**, Environmental Specialist II, Florida Fish and Wildlife Conservation Commission, meghan.koperski@MyFWC.com

Meghan Koperski has been involved in sea turtle conservation efforts throughout Florida for more than a decade. While completing her Bachelor of Science at the Florida Institute of Technology, she began working with sea turtles at Sea World in Orlando. She gained additional experience through a variety of positions with Mote Marine Laboratory, Miami Seaquarium, Miami-Dade County and National Marine Fisheries Service. Since 2000, she has worked for Florida Fish and Wildlife Conservation Commission's Imperiled Species Management program to address and resolve problems associated with light pollution adjacent to sea turtle nesting beaches. Since 2001, she has overseen the conservation commission's Marine Turtle Permit program, which issues permits for all sea turtle research and conservation activities in Florida, including nesting surveys, stranding response, housing turtles for rehabilitation and a wide variety of research activities. She actively participates in sea turtle nesting surveys in Martin County and population studies throughout south Florida, conducting necropsy investigations of deceased turtles, and training of Florida's permit holders and volunteers in proper sea turtle conservation techniques.



Dr. Brian Lapointe, Senior Scientist, Harbor Branch, lapointe@hboi.edu

Brian E. Lapointe obtained a B.S. in Biology from Boston University (1973), an M.S. in Environmental Science from the University of Florida (1979), and a Ph.D. in Marine Biology from the University of South Florida (1982). Brian worked for Woods Hole Oceanographic Institution (Cape Cod, MA) and Skidaway Institute of Oceanography (Savannah, GA) in his early career and has been a Research Scientist with Harbor Branch Oceanographic Institution (Ft. Pierce, FL) since 1983. He has extensive experience in water quality issues in South Florida and the Caribbean region. He has authored over 70 peer-reviewed publications in scientific journals and was a contributing author to the book *Clean Coastal Waters: Understanding and Reducing Nutrient Pollution* (2000, National Academy of Sciences, Washington, DC).

Lapointe



Rob Matriscino, Ranger, John D. MacArthur Beach State Park, Robert.Matriscino@dep.state.fl.us

Rob Matriscino began working for the Florida Park Service in the AmeriCorps program, serving two years from 1998-99. After completing his service, he went back to Florida Atlantic University and finished his degree in Geography, studying Environmental and Physical Resource Analysis. He started working at John D. MacArthur Beach State Park in 2000, bringing skills learned in the AmeriCorps program, such as invasive exotic plant removal, among other things.

Matriscino



Dr. Peter McCarthy, Senior Scientist, Center for Ocean Exploration, Harbor Branch, pmccarthy@hboi.edu

Peter McCarthy was educated in England and received his Ph.D. in Microbiology from the University of Kent at Canterbury. Following a post-doctoral fellowship at Smith Kline Beckman working with the Natural Products Discovery group, he joined the Harbor Branch Oceanographic Institution in 1985 and is currently the head of Microbiology. Research projects taking place in his lab include the identification of the symbiotic microbes present in deep-water marine sponges, the development of novel isolation methods to increase the numbers of microbes that can be cultured and the discovery of new anti-infective agents. He has authored more than 40 publications in the scientific literature and is a former President of the Florida Branch of the American Society for Microbiology.

McCarthy

Miller



Bill Miller, Refuge Biologist, A.R.M. Loxahatchee NWR, william_g_miller@fws.gov

Bill Miller leads the Arthur R. Marshall Loxahatchee National Wildlife Refuge biology program, overseeing invasive species control, water management coordination and research initiatives at the U.S. Fish and Wildlife Service refuge. He holds a Bachelor of Science degree in Forestry from the University of Florida and a Master of Science degree in Earth Science from the University of North Carolina, Charlotte. He is a native Floridian who has spent the better part of his professional career working in the field of natural resource management in South Florida. Formerly, he served as liaison to the National Key Deer Refuge for Florida Keys Everglades restoration initiatives and more recently as a Biologist and Refuge Manager at the National Key Deer Refuge in the Florida Keys, where he directed management and biology programs in support of Keys' species recovery.

Mitchell



Dr. Carol Mitchell, Deputy Director, South Florida Natural Resources Center, carol_mitchell@nps.gov

Carol Mitchell is currently the Deputy Director of the National Park Service's South Florida Natural Resources Center, a division of Everglades National Park, providing scientific information and environmental assessments to the National Park Service units of south Florida and to the Department of the Interior. She has served as Chief of Biological Resources for the center – where scientists seek to conserve and, where necessary, restore the normal suite of interactions between the biological and physical elements of the environment – and as a consultant. Prior to her National Park Service work, she worked for many years in the Peruvian rainforest on environment and conservation issues, participating in project evaluation for an integrated conservation and development program (for the World Wildlife Fund), and

leading implementation of a second conservation and development project in Peru (for Conservation International). She also led a diverse environmental field team from Conservation International that conducted scientific assessments of the impact of petroleum exploration on the ecosystem of the Candamo River Valley in a National Park in Peru. She also has developed and given a short field course on Neotropical mammals, and has spoken at numerous national and international conferences on rainforest conservation and ecosystem restoration. She holds a Bachelor of Science in Zoology from the University of California; a Master of Arts in Biology from Princeton University and a Ph.D. in Ecology, Evolution and Behavior from Princeton University. She did post-doctoral study and research at the Program for Studies in Tropical Conservation at the University of Florida.



Speaker Bios



Dr. Stephen Mulkey, Director of Research and Outreach/Extension, School of Natural Resources and Environment, University of Florida, smulkey@ufl.edu

Stephen Mulkey is director of Research and Outreach/Extension for the School of Natural Resources and Environment at the University of Florida and serves as science advisor to the Century Commission for a Sustainable Florida. He is a research associate for the School of Forest Resources and Conservation and is an associate professor in the Botany Department at UF. He received a Ph.D. in biology/ecology from the University of Pennsylvania in 1986. Prior to coming to the University of Florida in 1996, Dr. Mulkey co-founded and directed the International Center for Tropical Ecology, a nationally ranked graduate training and conservation program at the University of Missouri in St. Louis. He also worked for many years as a research associate for the Smithsonian Institution, Tropical Research Institute. He is a scholar of the interdisciplinary literature in climate change and sustainability. He is active as a public interpreter of climate change science, and is presently working to create a program in sustainable land use at the University of Florida.



Timothy O'Hara, Environmental Reporter, *Key West Citizen*, tohara@keysnews.com

Timothy O'Hara graduated from San Diego State University with a degree in journalism in 1995. He started his journalism career as a daily newspaper reporter with the *Blade-Citizen* in Oceanside, California. He traveled through Costa Rica, Cuba and Panama before taking a job at the *Sarasota Herald-Tribune*. He has been the environmental reporter for the *Key West Citizen* since 2002. He covers the Florida Keys National Marine Sanctuary and its living reef tract, Dry Tortugas National Park and the surrounding area, the Everglades and commercial fishing in the Florida Keys, which includes a multimillion-dollar lobster, stone crab, snapper and grouper fishery. He also writes regularly about dolphins, whales, sawfish and coral reefs.

Mulkey

O'Hara

Paul

Payne



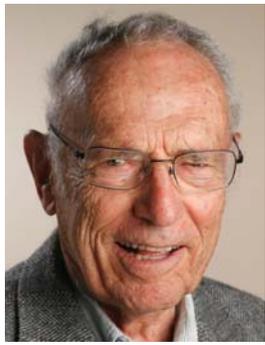
Dr. Valerie J. Paul, Head Scientist, Smithsonian Marine Station, Fort Pierce, paul@si.edu

Valerie J. Paul is currently Head Scientist at the Smithsonian Marine Station at Fort Pierce, Florida. She received her B.A. from the University of California, San Diego in 1979 with majors in Biology and Studies in Chemical Ecology and her Ph.D. in Marine Biology in 1985 from the University of California San Diego, Scripps Institution of Oceanography. She joined the faculty of the University of Guam Marine Laboratory in 1985, served as Director of the Laboratory from 1991-1994, and as full Professor from 1993-2002. Her research interests include marine chemical ecology, marine plant-herbivore interactions, coral reef ecology, and marine natural products. She was elected a Fellow of the American Association for the Advancement of Science in 1996 and was elected and served as chairperson of the Marine Natural Products Gordon Research Conference in 2000 (vice-chair in 1998). She currently serves on the editorial boards of the journals *Coral Reefs* and *Journal of Natural Products*. She is the author or co-author of over 160 research papers and review articles.



Cherry Payne, Chief of Interpretation, Everglades and Dry Tortugas National Parks, cherry_payne@nps.gov

Cherry Payne is currently Chief of Interpretation and Visitor Services for both Everglades and Dry Tortugas National Parks. She has spent the last 31 years as a national park ranger working in both cultural and natural resource parks throughout the U.S. Her professional emphasis has been on visitor services and education, including the development and delivery of ranger-presented programs and services as well as educational media (print, exhibits, film). She has a bachelor's degree in sociology and master's work in English.



David Perlman, Science Editor, *San Francisco Chronicle*, dperlman@sfnchronicle.com

David Perlman, award-winning Science Editor of the *San Francisco Chronicle*, has been a reporter, magazine writer, and foreign correspondent, and has been reporting on science, the environment and technology for more than 40 years. He is a past president of the Council for the Advancement of Science Writing and the National Association of Science Writers. He has been a Poynter Fellow at Yale, a Carnegie Corporation Fellow at Stanford, and a Regent's Professor at the University of California. He lectures widely at American universities and has led science writing and editing workshops for the American Press Institute and the China Association for Science and Technology. Perlman has won awards for his reporting from the American Association for the Advancement of Science, the American Chemical Society, the American Geophysical Union, the American Nuclear Society and the American Society of Mechanical Engineers, among others. Perlman is a graduate of Columbia University and its graduate journalism school and a fellow of the California Academy of Sciences and Sigma Xi, the Scientific Research Society.

Perlman



Craig Pittman, Environmental Reporter, *St. Petersburg Times*, craig@sptimes.com

Craig Pittman has been a newspaper reporter since 1981. He has spent the past nine years covering environmental issues for Florida's largest daily paper, the *St. Petersburg Times*. He graduated from Troy State University in Alabama, where his muckraking for the student paper prompted an agitated dean to brand him "the most destructive force on campus." Since then, he has covered a variety of newspaper beats, including courts, politics and local government, as well as such disasters as hurricanes and wildfires. He has worked for the Times since 1989. In 2004, he won the Waldo Proffitt Award for Distinguished Environmental Journalism in Florida for stories revealing a secret plan by the state's business leaders to transfer water from sleepy North Florida to booming South Florida. Last year, a series he and colleague Matthew Waite wrote on Florida's vanishing wetlands won the Waldo Proffitt Award and the Kevin Carmody Award for Outstanding Investigative Reporting from the Society of Environmental Journalists. They are now turning the series into a book, to be published by the University Press of Florida, tentatively titled "They Won't Say No: Florida's Vanishing Wetlands and the Broken Promise of No Net Loss."

Pittman

Reilly



Dr. Susan Reilly, Director of the School of Communication and Multimedia Studies, Florida Atlantic University, sreilly@fau.edu

Susan Reilly is the Director of the School of Communication and Multimedia Studies at Florida Atlantic University and regularly teaches the Introduction to Graduate Studies class. An established mass communication scholar as well as a writer/producer of public television documentaries, she has published widely on international media, international public television, and critical pedagogy issues. Her co-authored books include *Rethinking Media Literacy: A Critical Pedagogy of Representation*, *Media Knowledge: Popular Culture, Pedagogy and Critical Citizenship*.

Reilly



Andrew C. Revkin, Environmental Reporter, *The New York Times*, revkin@nytimes.com

One of America's most honored science writers, Andrew C. Revkin has spent two decades covering subjects ranging from the Asian tsunami to the assault on the Amazon, from the loss of the space shuttle Columbia to the changing Arctic climate. He has been an environment reporter for *The New York Times* since 1995, a position that has taken him to the Arctic three times since 2003. In 2003 he became the first *Times* reporter to file stories and photographs from the floating sea ice around the North Pole. His recent string of *Times* stories revealing efforts by political appointees to rewrite government climate reports and limit media access to climate scientists triggered reviews of communications policies at a dozen government agencies and was followed by two resignations. His coverage of climate change won the inaugural National Academies Communication Award for print journalism, presented by the National Academy of Sciences. He has twice won the Science Journalism Award of the American Association for the Advancement of Science and, along with other prizes, has won an Investigative Reporters & Editors Award. Mr. Revkin has written several books, most recently *The North Pole Was Here: Puzzles and Perils at the Top of the World* (Kingfisher, 2006), named Outstanding Science Book of 2006 by the Children's Book Council and National Science Teachers Association and a Notable Social Studies book of the year by the CBC and National Council for the Social Studies. He is also author of *The Burning Season* (new edition Island Press, 2004) which was awarded the Sidney Hillman Foundation Book Prize and a Robert F. Kennedy Book Award (second prize) and was the basis for HBO's award-winning film of the same name. He has a John Simon Guggenheim Fellowship to help him prepare his next book, on the evolving human relationship with the home planet.

Mr. Revkin has written several books, most recently *The North Pole Was Here: Puzzles and Perils at the Top of the World* (Kingfisher, 2006), named Outstanding Science Book of 2006 by the Children's Book Council and National Science Teachers Association and a Notable Social Studies book of the year by the CBC and National Council for the Social Studies. He is also author of *The Burning Season* (new edition Island Press, 2004) which was awarded the Sidney Hillman Foundation Book Prize and a Robert F. Kennedy Book Award (second prize) and was the basis for HBO's award-winning film of the same name. He has a John Simon Guggenheim Fellowship to help him prepare his next book, on the evolving human relationship with the home planet.



Speaker Bios



Rick Roth, Owner/President, Roth Farms, Inc., rick@rothfarms.com

Rick Roth is a third generation farmer. He became the owner/president of Roth Farms, Inc. in 1986. The closely held family farm is located in the Everglades Agricultural Area (EAA) near Belle Glade, where it employs 55 people full-time plus 175 seasonal employees, and grows radishes, leafy vegetables, sod, rice, sugar cane, sweet corn, green beans and fieldgrown landscape trees. Roth and his family, along with partner Buddy McKinstry, opened a state-of-the-art packing house in April of 2007. Roth joined his father in the family business in 1976 after graduating from Emory University with a B.S. Degree in Mathematics. He believes that educating current and future leaders about agriculture and its role in our economic and environmental well-being is critical to sustaining agriculture in the United States.



Dr. Kirt W. Rusenko, Acting Manager/Marine Conservationist, Gumbo Limbo Nature Center, City of Boca Raton, krusenko@ci.boca-raton.fl.us

Kirt Rusenko has been the Marine Conservationist for the City of Boca Raton, based at the Gumbo Limbo Nature Center, since 1995. He is in charge of the Boca Raton Sea Turtle Conservation and Research Program and monitors sea turtles on Boca Raton's five miles of beaches. He has been working on reducing many forms of environmentally destructive lighting that disrupt turtle nesting. He works closely with the City on construction projects that impact the beach/dune ecosystems. He also is responsible for animal care and maintenance of four 20-foot diameter outdoor seawater tanks which house several sea turtles, sharks and rays, reef and mangrove fish. He formerly worked as Research Assistant Professor of Dermatology at Univ. of N. Carolina Medical School in Chapel Hill. Previously he was a Research and Development Scientist for Thermo Separation Products in Riviera Beach and an Environmental Specialist for Florida Power and Light at the St. Lucie Nuclear Power Plant.



Judy Sanchez, Director of Corporate Communications, United States Sugar Corp., jsanchez@ussugar.com

Judy C. Sanchez is Director of Corporate Communications for United States Sugar Corporation. She joined U.S. Sugar in 1994, transferring from its South Bay Growers vegetable division where she worked as a Marketing Specialist. She attended the University of Florida College of Journalism and Communications and graduated from Florida Atlantic University with a degree in communications. A fourth generation farmer, she has spent most of her life in and around the sugar cane industry, both in Florida and Louisiana. She currently serves on the board of directors for the Western Palm Beach County Farm Bureau and Agricultural Institute of Florida.



Tommy Strowd, Assistant Deputy Executive Director, South Florida Water Management District, tstrowd@sfwmd.gov

Tommy Strowd has more than 29 years of experience in the environmental and water resource engineering fields—the vast majority of that experience focused in South Florida. He received a bachelor's degree in Oceanographic Technology from Florida Tech in 1976. After graduating, he worked for the National Marine Fisheries Service, Florida Department of Transportation and Florida Department of Environmental Regulation (now the Florida Department of Environmental Protection) before becoming a project manager in 1979 for the consulting firm of Gee & Jenson Engineers-Architects-Planners, Inc. In 1992, he accepted a position as a senior engineer with the South Florida Water Management District. During his tenure with the District, he worked on several key regional planning efforts that changed the way Florida and the nation viewed regional water resource management in south Florida. He became District Operations Director in 1996, overseeing the real-time operation and maintenance of 1,800 miles of canals and more than 2,000 water control structures and pumping stations spanning central and southern Florida. During his six years in this post, the operations group dealt with the second-highest stage on record in Lake Okeechobee, two serious regional flood events and the most severe multi-year drought in South Florida's recorded history. He left the District to take the position of Southeast Regional Manager for both environmental and civil engineering business groups of Greenhorne and O'Mara, Inc., serving the company for a year and a half, and returning to the District in 2005 as director of the Acceler8 Program – a state effort to accelerate the design and construction of Everglades Restoration components. He was recently promoted to District Assistant Deputy Executive Director.

Roth

Rusenko

Sanchez

Strowd



 **Dr. Tracey Sutton**, Scientist, Harbor Branch Oceanographic Institution,
tsutton@hboi.edu

Tracey Sutton heads the Fish and Plankton Ecology lab within the Center for Ocean Exploration at Harbor Branch. He is the recipient of research grants totaling in excess of \$2 million and is the author of nearly 30 scientific publications. He has participated in 62 oceanographic research cruises, 25 of these as chief scientist, and served as consultant for the Discovery Channel/BBC filming of *The Blue Planet* series. He has served on the committees of students and postdocs at Florida Atlantic University, Florida State University, the University of Washington's School of Oceanography, the University of the Azores and the Shirshov Institute of Oceanology in Moscow. His research interests focus on fish community and population ecology, zooplankton ecology and trophic interactions and quantitative marine ecology with an emphasis on biophysical coupling across multiple trophic levels. His recent work has been conducted along the northern Mid-Atlantic Ridge (Iceland to the Azores), in the abyssal Sargasso Sea and off Florida's Southeast coast.



 **Malcolm S. Wade, Jr.**, Senior Vice President, U.S. Sugar Corp.,
mwade@ussugar.com

Malcolm S. Wade, Jr. is Senior Vice President of United States Sugar Corporation. He has been employed by the Company for more than 23 years and has been a member of the senior management team for nearly 15 years. A certified public accountant, he joined the company as Director of Internal Audit in 1982 and subsequently was named director, vice president and senior vice president of the Administrative Service Group before assuming overall responsibility for farming and processing sugar cane, the company's principal business. For more than 20 years, he has been involved in developing and overseeing the Company's environmental responsibilities. Through his appointments by two governors and the Water Management District to working groups on South Florida environmental issues, he has helped shape public policy regarding Everglades Restoration. In March 2005, Governor Bush appointed him to a four-year term on the

South Florida Water Management District's Governing Board. Previously, he was a member of the team representing South Florida farmers that spent more than a year negotiating with the Interior and Justice Departments, the State of Florida and the South Florida Water Management District to resolve the legal disputes over Everglades Restoration. He was appointed by Gov. Lawton Chiles to the Governor's Commission for a Sustainable South Florida and his work on restoration issues continued with his appointment by Gov. Jeb Bush to the Governor's Commission for the Everglades. He received his BS in accounting from Florida State University in 1976. He became a Certified Public Accountant in 1979 and a Certified Internal Auditor in 1984.



 **Matthew Waite**, Investigative Reporter, *St. Petersburg Times*,
waite@sptimes.com

Matthew Waite, 32, is the kind of reporter who doesn't go anywhere without his laptop. Although technically a general assignment reporter, his assignment is to get computer-assisted reporting into the *St. Petersburg Times* as much as possible. But he's no armchair journalist. While a student at the University of Nebraska, he traveled to Bosnia to report on the conflict there for the college paper. He won an Investigative Reporters and Editors award in 1996 for a *Daily Nebraskan* story involving a computer-assisted examination of crime rates in a Lincoln, Neb., neighborhood. He and colleague Craig Pittman won the Waldo Proffitt Award and the Kevin Carmody Award for Outstanding Investigative Reporting from the Society of Environmental Journalists for their series on Florida's vanishing wetlands. At both the Little Rock (Ark.) *Democrat-Gazette* and at the *Times*, he has used computer-assisted reporting to cover the environment, crime, transportation, utilities, education, real estate and the occasional hurricane.

Sutton

Wade

Waite



Notes





Florida Atlantic University
 John D. MacArthur Campus
 5353 Parkside Drive
 Jupiter, Florida 33458
 561-799-8500

BUILDING LEGEND

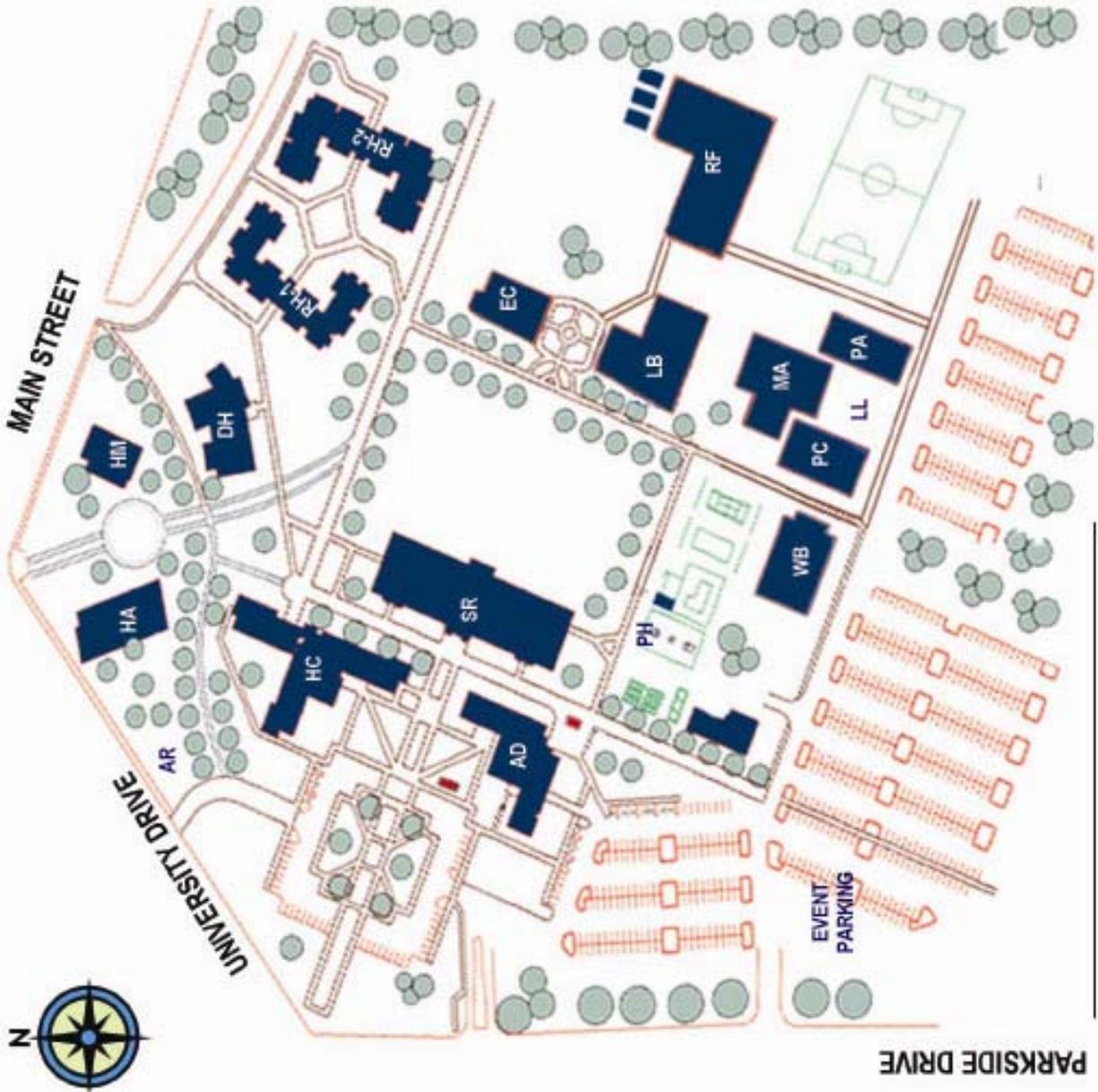
- AD Administration/Classroom
- AR Huckshorn Arboretum
- DH Dining Hall Commons
- EC Education and Classroom
- HA Hibbel Fine Arts
- HC Wilkes Honors College
- HM Hibbel Museum
- LB Library
- LL Elinor Berman Rosenthal Lifelong Learning Complex
- MA Maltz Center for Education
- PA Perloff Administration
- PC Perloff Classroom
- PH Pool House / Recreation Area
- RF Research Facility
- RH Residence Halls 1 & 2
- SR Student Resources/Classroom
- WB Wilkes Psychology
- Campus Directories

DRIVING DIRECTIONS

From I-95: take exit 83 (Donald Ross Road) east to Parkside Drive. Turn North on Parkside Drive and turn right into parking area.

From Florida Turnpike headed South: take exit 116 (Indiantown Road) east to I-95 South. From I-95 exit 83 and follow above.

From Florida Turnpike headed North: take exit 109 (PGA Blvd) east to Central Blvd. North. Turn West on Donald Ross Road. Turn North onto Parkside Drive and turn right into parking area.





"The most unhappy thing about conservation is that it is never permanent. If we save a priceless woodland today, it is threatened from another quarter tomorrow."

- Marjory Stoneman Douglas

**Scripps Howard Institute
on the Environment
Institute Organizers**

FAU's School of
Communication and
Multimedia Studies
Dorothy F. Schmidt College of
Arts and Letters

FAU's Center for
Environmental Studies

Institute Location:

Florida Atlantic University
John D. MacArthur Campus
5353 Parkside Drive
Jupiter, Florida 33458