Poster Directory

NOTE: Presenting authors appear in **Bold**. Poster number is listed to the left of the poster title.

**Session 1 – Tuesday, December 7, 2004**

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1-79 ...... **Quantifying the Effect of Dam Removal on Water Temperatures in the Lower Klamath River, California, and Implications for Salmon Recovery – John Bartholow**, US Geological Survey, Fort Collins Science Center, Fort Collins, CO

1-03 ...... **Southwest Florida Coastal Conservation Corridor Plan – James Beever**, Florida Fish and Wildlife Conservation Commission, Habitat Conservation Scientific Services, Punta Gorda, FL

1-59 ...... **Jamaica Bay Marsh Island Ecosystem Restoration - Pilot Program Study – Brett Berkley**, MATRIX Environmental & Geotechnical Services, Inc., Ecological Services, East Hanover, NJ

1-30 ...... **Putting Fish Back Into Fish Creek: Creek Restoration in Urban Anchorage – Daniel Billman**, HDR, Engineering, Anchorage, AL


1-23 ...... **Synthesis of Land Use Data for the Chesapeake Bay Watershed – Sara Brandt**, Chesapeake Research Consortium, Chesapeake Bay Program Office, Annapolis, MD
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1-05 .......Evaluation of Everglades Agricultural Area Storage Reservoirs Using Regional Modeling – *Lehar Brion*, South Florida Water Management District, Office of Modeling, West Palm Beach, FL

1-70 .......Application of a Decision Support System Model for Drought Management Analysis in a Western River System – *Sharon G. Campbell*, US Geological Survey, Fort Collins Science Center, Fort Collins, CO

1-60 .......Sheldon Marsh Environmental Restoration (Section 227) Project – *Shannon Chader*, US Army Corps of Engineers, Buffalo District, Buffalo, NY

1-26 .......Application of SeaWiFS and MODIS Imagery in Monitoring Water Quality of Chesapeake Bay – *Zhiqiang Chen*, University of South Florida, College of Marine Science, St. Petersburg, FL

1-24 .......Assessing Urban Land Cover Change in the Chesapeake Bay Watershed (1990 - 2000) – *Peter Claggett*, US Geological Survey, Chesapeake Bay Program Office, Annapolis, MD

1-06 .......“Fine Tuning Everglades Restoration”: The Loxahatchee Impoundment Landscape Assessment (LILA) Project – *Eric Cline*, Iowa State University, Botany, West Palm Beach, FL and South Florida Water Management District


1-07 .......Structural vs. Functional Measures in Restoration Projects – *Ryan C. Davis*, Exponent, Albany, NY

1-36 .......Planning for Mixed Seeding Restoration on Xeric Uplands in Florida – *Linda Duever*, Conway Conservation, Micanopy, FL
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1-75 ......Aiding Rio Grande Restoration by Using Stable Isotope Analyses to Characterizing the Past and Present Condition of the River Food Web – Melanie S. Edwards, University of New Mexico, Department of Biology, Albuquerque, NM

1-67 ......Prioritizing Flood Protection while Restoring Ecological Function in Urban Rivers – Theodore Endreny, SUNY ESF, Ecological Engineering, Syracuse, NY

1-22 ......Enhancing Restoration Through Conservation -- Using the Chesapeake Bay Watershed Resource Lands Assessment to Prioritize Land Protection – Andrew Fitch, University of Maryland Center for Environmental Science, Chesapeake Bay Program, Annapolis, MD

1-27 ......Wetland Enhancement Decision-Making Tools & Training for Landowners and Technical Service Providers – Mitch Flinchum, University of Florida/IFAS, IFAS Everglades Research and Education Center, Belle Glade, FL


1-33 ......Vic Fazio Yolo Wildlife Area: A Lessons Learned Overview of the Largest Wetland Ecosystem Restoration Project in the Western United States – Miki Fujitsubo, US Army Corps of Engineers, Planning Division, Sacramento, CA

1-66 ......Oak Scrub Restoration at Hilochee Wildlife Management Area: A Preliminary Assessment – Cyndi Gates, Florida Fish and Wildlife Conservation Commission, Terrestrial Habitat Conservation and Restoration, Clermont, FL

1-72 ......Conceptual Restoration Designs of Riparian Habitat in the Lower Cuyahoga River, Ohio, for Larval Fish – Michael Greer, US Army Corps of Engineers, Buffalo District, Buffalo, NY

1-34 ......Wetland and Wildlife Habitat Creation at Opportunity Ponds – Grant Gurnee, Walsh Environmental, Ecological Restoration Group, Boulder, CO

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1-88 ...... Ecosystem Restoration in the Upper Chariton River/Rathbun Lake Watershed – Valerie Hansen, US Army Corps of Engineers, Kansas City District, Kansas City, MO


1-01 ...... The South Florida Information Access (SOFIA) System – Heather Henkel, US Geological Survey, Center for Coastal and Watershed Studies, St. Petersburg, FL

1-25 ...... Segmentation and Land Use in the Phase 5 Chesapeake Bay Watershed Model – Kate Hopkins, UMCES/CBPO, Modeling Team, Annapolis, MD

1-08 ...... Integrating Environmental Decision Making into a Framework for Farm Policy – Glenda Humiston, University of California, Berkeley, Society and Environment, Richmond, CA


1-73 ...... Section 206: Aquatic Ecosystem Restoration of Big Escambia Creek, Alabama and Florida – Jenny Jacobson, US Army Corps of Engineers, Planning & Environmental Division, Mobile, AL

1-90 ...... Monitoring Evaluation of North Carolina Stream Restoration Projects – Greg Jennings, North Carolina State University, Biological & Agricultural Engineering, Raleigh, NC

1-83 ...... Riparian Forest Restoration Project – Rachel Jolley, School of Forestry & WLSC, Auburn University, Auburn, AL


1-09 ...... Cargill's Adaptive Management Approach to Restoration – Parker Keen, Cargill Crop Nutrition, Land Management, Riverview, FL
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1-91 Redefining the San Antonio Channel Improvement Project to Include Environmental Restoration – Charissa Kelly, US Army Corps of Engineers, Planning, Environmental, Regulatory Branch, Fort Worth, TX


1-32 Enhancing the Quantification of Fish and Wildlife Habitat Gains in the Great Lakes’ Areas of Concern Through the Broader Use of Habitat Evaluation Procedures – Bruce Kirschner, International Joint Commission, Great Lakes Regional Office, Windsor, Ontario

1-40 Visual_HEA: Habitat Equivalency Analysis Software – Kevin Kohler, NSU Oceanographic Center, National Coral Reef Institute, Dania Beach, FL


1-50 Restoration Program Assessment for the National Estuarine Research Reserve System (NERRS) – Mark Laska, Great Eastern Ecology, Inc., New York, NY

1-51 Restoring Tidal Influences to a Historically Impounded System in Westchester County, New York – Mark Laska, Great Eastern Ecology, Inc., New York, NY

1-68 Designing for Ecology and Community: Restoring the Neglected Spaces Enmeshed in Florida's Urban Sprawl – Dianne Lennon, Restoration Partners, Inc., Environmental Planning and Design, Jupiter, FL

1-78 Urban Watershed Restoration in the Lower Bronx River, New York: Unique Challenges, Partnerships, and Technologies – Cecelia Linder, NOAA, Restoration Center, Silver Spring, MD

1-58 Current Loxahatchee Watershed Restoration Activities - Martin County, Florida – Kimball Love, Martin County, Office of Water Quality, Stuart, FL

1-45 The NOAA Community-based Habitat Restoration Program: Partnerships for Success – Daphne Macfarlan, NOAA Fisheries, Restoration Center, St. Petersburg, FL
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1-46 ...... **Hydrologic Restoration on Florida’s Gulf Coast: An Examination of the Process** – **Daphne Macfarlan**, NOAA Fisheries, Restoration Center, St. Petersburg, FL

1-10 ...... **Effective Communication of Scientific Information: A Case Study in Adaptive Management** – **Jana Machula**, California Bay Delta Authority, CALFED Science Program, Sacramento, CA

1-11 ...... **Community Partnering and Educational Outreach Have Made Ten Mile Creek More Than Just A Restoration** – **Doris Marlin**, US Army Corps of Engineers, DP-I, Jacksonville, FL

1-43 ...... **Population Decline of the Federally Endangered Snail Kite in Florida** – **Julien Martin**, University of Florida, Florida Cooperative Fish and Wildlife Research Unit, Gainesville, FL

1-37 ...... **Restoration of Sod Pastures to Native Vegetation at The Disney Wilderness Preserve** – **Chris Matson**, The Nature Conservancy, The Disney Wilderness Preserve, Kissimmee, FL

1-62 ...... **FIU-Singeltary Restoration Project** – **John Meeder**, Florida International University, Southeast Environmental Research Center, Miami, FL

1-12 ...... **Setting Interim Goals and Interim Targets for the Comprehensive Everglades Restoration Plan** – **Carol Mitchell**, Everglades National Park, South Florida Ecosystem Office, Homestead, FL

1-56 ...... **Economic Impact Survey of Eurasian Watermilfoil Removal from Houghton Lake** – **Mark Mongin**, SePRO, Aquatic Specialty Business, Carmel, IN

1-38 ...... **Wildlife Utilization of Phosphate Mined Lands** – **Robin Moore**, University of South Florida, Tampa, FL

1-63 ...... **Cat Island Chain Restoration, Green Bay** – **Rob Nairn**, Baird & Associates, Oakville, Ontario


1-28 ...... **Decision Models and Directions for the South West Florida Feasibility Study** – **Leonard Pearlstine**, University of Florida, Ft Lauderdale Research & Education Center, Davie, FL
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1-29 ........ Integrating Urban Growth Models and Habitat Models for Ecological Evaluation of Landscape Impacts – Leonard Pearlstine, University of Florida, Ft Lauderdale Research and Education Center, Davie, FL

1-13 ........ The Biscayne Bay Coastal Wetlands Project: Planning the Restoration of a South Florida Estuary – Patrick Pitts, US Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL

1-41 ........ The Use of Community Metrics and Health Indices to Monitor the Health of Restored Ecosystems and the Use of Adaptive Management Strategies to Promote Future Success – John Roebig, Lawler Matusky & Skelly Engineers LLP, New York, NY


1-16 ........ Managing Lake Shorelines: How Do We Put It All Back Together? (Restoration of Aquatic Vegetation in Lakes and Reservoirs) – Michael Smart, US Army Corps of Engineers, Lewisville Aquatic Ecosystem Research Facility, Lewisville, TX

1-52 ........ Primary Dune Species of Barrier Islands (e.g. Amaranthus pumilus) and the Impact of Increasing Episodic, Extreme Stress Events Linked to Global Change – Allison G. Snow, Wake Forest University, Department of Biology, Winston-Salem, NC

1-61 ........ Establishment of Poplar Island: A Large Marsh Restoration Project in Chesapeake Bay – Court Stevenson, University of Maryland, Center of Environmental Science, Horn Point Laboratory, Cambridge, MD

1-17 ........ Partnering for Success in Submerged Aquatic Vegetation Research, Restoration, and Education in the Chesapeake Bay Watershed – Rebecca Thur, Chesapeake Research Consortium, Freshwater SAV Partnership, Edgewater, MD

1-18 ........ Confronting Social Impediments to Adaptive Management, Lessons from the Grand Canyon Ecosystem – Christopher Updike, Northern Arizona University, Center for Sustainable Environments, Flagstaff, AZ

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1-20 ...... **National Ecosystem Center of Expertise (ECO-CX)** – *David Vigh*, US Army Corps of Engineers, Mississippi Valley Division, Vicksburg, MS


1-65 ...... **Bird Island Field Pipeline Removal – Kleberg County, Texas** – *Catherine R. Villarreal*, Shiner Moseley and Associates, Inc., Corpus Christi, TX

1-35 ...... **New Ecosystem Modeling Service Suite for Regional Ecosystem Restoration** – *Dali Wang*, The Institute for Environmental Modeling, University of Tennessee, Knoxville, TN


1-47 ...... **Setting a New SAV Restoration Goal for the Chesapeake Bay by Analyzing the Historical Record** – *Howard Weinberg*, University of Maryland Center for Environmental Science, Chesapeake Bay Program, Annapolis, MD


1-76 ...... **The Proposed Panama City – Bay County International Airport Relocation: Wetland Permitting and Mitigation Aspects** – *Scott Zengel*, PBS&J, North Florida Environmental Services, Tallahassee, FL
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2-84 .......**Pilot Study to Quantify Floodplain Soil Phosphorus in the Kissimmee River Restoration Area** – *Carmen Baez-Smith*, South Florida Water Management District, Kissimmee Division, West Palm Beach, FL

2-45 .......**Assessing the Effect of Hydrophilic Soil Amendments on Riparian Plant Growth and Survival in Western Texas** – *Pamela Bailey*, US Army Corps of Engineers, Engineer Research and Development Center, Environmental Laboratory, Vicksburg, MS

2-102 .....*Use of an Amphibian IBI to Evaluate Success of Constructed Wetlands* – *Joe Bartoszek*, Ohio EPA, DSW/WQ, Dayton, OH

2-117 .....**Information Scale, Reporting, and Assessment: Performance Measures for Biscayne Bay Fish Communities** – *Sarah Bellmund*, Biscayne National Park, Resource Management, Homestead, FL


2-01 ......**Biscayne Bay Hydrodynamic Data Collection** – *Lee Anne Bledsoe*, Biscayne National Park, Resource Management, Homestead, FL

2-41 ......**A Formidable Challenge to Everglades Restoration – Controlling Old World Climbing Fern** – *Laura Brandt*, US Fish and Wildlife Service, Senior Wildlife Biologist for A.R.M. Loxahatchee NWR, Boynton Beach, FL

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2-26 ..........Management Recommendations for Exotic and Nuisance Plant Species Control in a Disturbed Maritime Hammock Community – Michelle Carte, Florida Institute of Technology, Marine and Environmental Systems, Jacksonville, FL

2-32 ..........Adapting Restoration to Disturbance: Wildfire Impacts on Wetland and Upland Restoration and Invasive Exotic Control – Mary Kay Cassani, Florida Gulf Coast University, College of Arts and Sciences, Ft. Myers, FL

2-89 ..........The Roles of American Alligators and American Crocodiles as Indicators of Environmental Change – Michael Cherkiss, University of Florida, FLREC, Davie, FL

2-31 ..........A Biological Control Agent for Invasive Plant Species, Old World Climbing Fern (Lygodium microphyllum) – Tainya Clarke, Florida International University, Environmental Studies, Miami, FL

2-60 ..........Verification of ATLSS SESI Models Using Species Abundance Data – Jane Comiskey, The Institute for Environmental Modeling, Dept. of Ecology and Evolutionary Biology, Knoxville, TN

2-103 ......Pyrite Oxidation in Dredged Estuarine Sediments: Challenges for Beneficial Use – Jeffrey Cornwell, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge, MD

2-35 ......Conceptual Model for an Ecologically Based Management Plan for Brazilian Peppertree, Schinus terebinthifolius, in Florida – James Cuda, University of Florida/IFAS, Entomology & Nematology, Gainesville, FL

2-104 ......The Impact of Stream Nutrient Loading on Filamentous Green Algae in Conesus Lake and the Use of Continuous Flow-Through Incubation Chambers for Measurement In Situ of Changes in Biomass – Peter D’Aiuto, SUNY Brockport, Environmental Science and Biology, Altamonte Springs, FL

2-90 ......The Potential Utility of Apple Snail Egg Clusters in the Context of Ecological Performance Measures – Philip Darby, University of West Florida, Biology, Pensacola, FL
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2-11 ....The Results of Monitoring Hard Corals Restored after the Installation of Telecommunication Cables off South Florida – Donald Deis, PBS&J, Environmental, Jacksonville, FL

2-42 ....Transport of Dissolved and Particulate Phosphorus in Canal Waters Downstream of STA-1W – Orlando Diaz, University of Florida, Everglades Research and Education Center, Belle Glade, FL

2-79 ....Effect of Scaling on Hydraulic Conductivity in a Karst Aquifer – Vincent J. DiFrenna, Florida International University, Earth Sciences, Miami, FL

2-105 .....The Response of Below and Aboveground Biomass of Typha to Harvesting: A Modelling Approach – Hai Dinh Ngoc, Saitama university, Department of Environmental Science and Human Engineering, Saitama, Saitama

2-47 ....Chlorophyll a as an Indicator of Eutrophication in the Caloosahatchee Estuary and San Carlos Bay, Florida – Peter Doering, South Florida Water Management District, Coastal Ecosystems Division, West Palm Beach, FL

2-48 ....Phosphorus Release and Retention by Soils of Natural Isolated Wetlands in Okeechobee Basin, Florida – Ed Dunne, University of Florida, Wetland Biogeochemistry Laboratory, Gainesville, FL

2-94 ....Fish Assemblages as an Indicator of Biological Function in Aquatic Systems Restored after Phosphate Mining – Douglas Durbin, Biological Research Associates, Water Resources, Tampa, FL

2-49 ....Mercury Bioaccumulation Responses to Everglades Restoration – David Evans, NOAA, Center for Coastal Fisheries and Habitat Research, Beaufort, NC

2-38 ....Submergence and Salinity Effects on Decomposition of Wetland Plants; Exotic: Purple Loosestrife - Lythrum salicaria versus Native: Cattail - Typha sp. – Laurence Fernberg, Malcolm Pirnie, Inc., Ecorestoration, White Plains, NY

2-43 ....Periphyton Stormwater Treatment Areas: Results of Increased Velocity and Increased Water Depths on Phosphorus Removal Efficiency – Erin Fogarty-Kellis, South Florida Water Management District, Everglades, West Palm Beach, FL
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2-12 ...... The Use of Otolith Microchemistry to Monitor and Evaluate the Movement of Coral Reef Fish in South Florida Waters – Trika Gerard, NOAA SE Fisheries/FAMU, Larval Fish Ecology, Miami, FL


2-86 ...... Use of a Modified Macrohabitat Guild Structure for Assessing Fish Dependence on Off-Channel Habitats in the Kissimmee River – Lawrence Glenn, South Florida Water Management District, Kissimmee Division, West Palm Beach, FL

2-106 ...... Physiological Effects of Crude Oil and Brine on Loblolly Pine (Pinus taeda) – Dean Goodin, Shaw Environmental, Inc., Baton Rouge, LA

2-107 ...... Seed Germination in Wild Celery, Vallisneria americana Michx. from Lake Okeechobee, Florida U.S.A. – Herbert Grimshaw, South Florida Water Management District, Okeechobee Division, West Palm Beach, FL


2-91 ...... Predicting Wildlife Population Responses by Making Comparisons across a Species’ Range: A Case Study between Mangrove and Salt Marsh Diamondback Terrapins (Malaclemys terrapin) – Kristen Hart, Duke University, Nicholas School of the Environment and Earth Sciences Marine Laboratory, Beaufort, NC


2-50 ...... Influence of the Form of Dissolved Nitrogen Inputs on Phytoplankton Community Composition in Florida Bay and the Southwestern Florida Shelf – Cynthia Heil, Florida Fish & Wildlife Conservation Commission, Florida Water Research Institute, St. Petersburg, FL

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2-84 ....... Development of Invertebrate Performance Measures for Everglades Hydrological Restoration: Chironomid – Hydroperiod Relationships in Everglades National Park – Richard Jacobsen, Everglades National Park, South Florida Natural Resources Center, Homestead, FL

2-82 ....... Monitoring the Extremes: How a Comprehensive Monitoring and Analysis Program Captured the Affects of Drastically Different Weather in 2002 and 2003 on Chesapeake Bay – David Jasinski, Chesapeakebay Program Office, Monitoring, Annapolis, MD

2-80 ....... Computational Challenges in South Florida Watershed Modeling for Ecosystem Restoration – Hsin-Chi Jerry Lin, US Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS

2-24 ....... Long-Term Management of the Kissimmee Chain of Lakes, Florida – Brad Jones, South Florida Water Management District, Kissimmee Division, West Palm Beach, FL


2-75 ..... Nekton Habitat Use and Responses to Wetland Restoration in the Mississippi River Delta – Frank Jordan, Loyola University New Orleans, Biological Sciences, New Orleans, LA

2-111 ..... Characterization and Selection of Uniola Paniculata L. Genotypes for Enhanced Dune Restoration – Mike Kane, University of Florida/IFAS, Environmental Horticulture/IFAS, Gainesville, FL

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2-29 ...... *Fish Introductions into Everglades Wetlands: An Unforeseen Consequence of Restoration* – Jeffrey Kline, Everglades National Park, South Florida Natural Resources Center, Homestead, FL

2-87 ...... *Habitat Use by Wetland Fish Assemblages: Establishing Baseline Community Conditions for Wetland Restoration in Tampa Bay, Florida* – Justin Krebs, US Geological Survey, St Petersburg, FL

2-99 ...... *A New Aerial Survey Method to Monitor the Response of Manatees to Restoration of the Florida Everglades* – Catherine Langtimm, US Geological Survey, Florida Integrated Science Center, Gainesville, FL

2-68 ...... *Modeling the Water Flow of the Biscayne Bay Coastal Wetland Watershed System for Ecosystem Restoration* – Hsin-Chi Jerry Lin, US Army Engineer Research and Development Center, Coastal and Hydraulics Laboratory, Vicksburg, MS

2-02 ...... *Success and Limits of a Marine Protected Area: the Blue Crab in Chesapeake Bay* – Rom Lipcius, College of William and Mary, Virginia Institute of Marine Science, Gloucester Point, VA

2-95 ...... *Can Restoration Change the Role of Everglades Karst Holes as Sinks for Aquatic Animals?* – William Loftus, US Geological Survey, Florida Integrated Science Center, Homestead, FL

2-96 ...... *Between the Rock and a Wet Place: Restoration of the Rocky Glades* – William Loftus, US Geological Survey, Florida Integrated Science Center, Homestead, FL

2-17 ...... *Establishing Baseline Data for Mangrove Forest Fishes in the Everglades: How Important is Hydrology?* – Carole McIvor, US Geological Survey, Center for Coastal & Watershed Studies, St Petersburg, FL

2-122 ...... *Phosphorus Estimation in Isolated Wetlands of Lake Okeechobee Sub-basins using GIS, Remote Sensing and Classification Trees* – Kathleen McKee, University of Florida, Soil and Water Science, Gainesville, FL

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2-16 ......Freshwater Discharge Required to Re-Establish Biscayne Bay Coastal Wetlands and Nearshore Estuarine Zone – John Meeder, Florida International University, SERC, Miami, FL

2-123 .....Assessment of Soil Salinity and Moisture Fluctuations in the Bald Cypress Floodplains of the Loxahatchee River Watershed – Amanda Mortl, University of Florida, Agricultural and Biological Engineering, Homestead, FL

2-97 ......Age and Growth of Florida Gar, a Top Predatory Fish in Southern Florida – Debra Murie, University of Florida, Fisheries and Aquatic Sciences, Gainesville, FL


2-112 .....Habitat Requirements of Three Species and Their Responses to Translocation to Reclaimed Phosphate Mined Land – Henry R. Mushinsky, University of South Florida, Department of Biology, Tampa, FL

2-113 .....Cottonwood Management and Regeneration along the Missouri River – Kristine Nemec, US Army Corps of Engineers, Planning Branch, Omaha, NE

2-124 .....Historic Changes in the Everglades Ridge and Slough Patterned Landscape – Martha Nungesser, South Florida Water Management District, Everglades Division, West Palm Beach, FL

2-40 ......Determining the Condition of Northern Everglades Tree Islands Impacted by Hydrology and Invasive Exotic Species – Pamela Pannozzo, University of Florida, Wildlife Ecology and Conservation, Ft. Lauderdale, FL

2-39 ......Hydrologic Changes Following Removal of Invasive Plants at Prairie Creek, Midewin National Tallgrass Prairie – Geoffrey Parish, Graef, Anhalt, Schloemer & Associates, Environmental Division, Milwaukee, WI

2-77 ......Modeling Hydrologic Events in a Post-Wildfire Watershed Restoration Environment Using the MIKE-SHE Model – Boris Poff, USDA Forest Service, Rocky Mountain Research Station, Flagstaff, AZ

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2-03 ......Using Natural Chemical Tracers to Evaluate Point-source and Non-Point Sources of Freshwater Inputs to Biscayne Bay – Rene Price, Florida International University, SERC and Earth Sciences, Miami, FL

2-19 ......Mitigation of a S.E. Florida USA Coral Reef Damaged by the Grounding of a Nuclear Submarine: Results of a Hypotheses-Based Restoration Study – Patrick Quinn, Oceanographic Center, Nova Southeastern University, Dania Beach, FL


2-30 ......Disturbance: Tree Island Spread v. Exotic Plant Invasion – Amy Renshaw, Florida International University, Southeast Environmental Research Center, Miami, FL

2-76 ......Habitat Assessment for Hatching American Crocodile in the C-111 Wetland Basin and Florida Bay Wildlife Protection Area Based on Monthly Salinity Contouring Analysis from 1996 to 2003 – Amanda Rice, US Geological Survey, FISC-WRS, Homestead, FL

2-93 ......Use of Amphibian Communities as Indicators of Restoration Success in the Everglades – Amanda Rice, US Geological Survey, NA, Homestead, FL


2-44 ......History of Phosphorus Accumulation in Soils along a Nutrient Gradient in Water Conservation Area 2A, South Florida – John Robbins, National Oceanic and Atmospheric Administration, Great Lakes Environmental Research Laboratory, Ann Arbor, MI

2-04 ......Habitat Relationships of Fish and Shrimp in Southern Biscayne Bay – Michael Robblee, US Geologic Survey, c/o Everglades National Park, South Florida Natural Resources Center, Homestead, FL

2-34 ......Quantifying the Effects of Nutrient Reduction on Growth Rates of Phytoplankton in Kings Bay, Florida – Darlene Saindon, University of Florida, Dept. of Fisheries and Aquatic Sciences, Gainesville, FL
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2-108 ..... **Modeling the Effect of Soil Amendments (Composts) on Water Balance and Water Quality** – *Reza Savabi*, USDA-ARS, SHRS, Everglades AGro-Hydrology Proj, Miami, FL

2-05 ...... **Aspects of Oyster Ecology and Their Utility in the Design of Estuarine Restoration Projects in the Greater Everglades: Example from Southern Golden Gate Estates** – *Michael Savarese*, Florida Gulf Coast University, Coastal Watershed Institute, Fort Myers, FL


2-109 ..... **Restoration of the Florida Mouse to Native and Reclaimed Mined Sites: Assessing Habitat Quality to Improve Translocation Success** – *Dan Schmutz*, Berryman & Henigar, Water Resources & Environmental Sciences, Orlando, FL

2-06 ...... **Oyster Reef Restoration** – *Bruce Schwenneker*, Malcolm Pirnie, Newport News, VA

2-36 ...... **Linkage Between Microbial Metabolic Diversity and Restoration Age in the Hole-in-the-Donut, Everglades National Park** – *Kanika Sharma*, University of Florida, Soil and Water Science Department, Gainesville, FL

2-28 ...... **Natural Plant Pathogens of Brazilian Pepper (*Schinus terebinthifolius* Raddi) in the Everglades National Park: Potential for Biological Control** – *Kateel G. Shetty*, Department of Environmental Studies and Southeast Environmental Research Center, Florida International University, Miami, FL

2-18 ...... **Techniques for Restoring Gorgonians to Coral Reef Injury Areas** – *Lauren Shuman*, National Coral Reef Institute, Nova Southeastern University Oceanographic Center, Dania Beach, FL

2-66 ...... **Unraveling Trophic Interactions Between the Periphyton Mat Complex and Consumers in the Florida Everglades** – *Shawn Smith*, Florida International University, Department of Biological Sciences, Miami, FL

2-13 ...... **Influence of Porewater Salinity and Nutrients on Seedling Recruitment of Mangroves and Invasive Exotic Plants across a Mangrove - Marsh Ecotone on the Harney River, Everglades National Park** – *Thomas Smith III*, US Geological Survey, Florida Integrated Science Center, Saint Petersburg, FL
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2-14 Trajectories of Mangrove Forest Recovery in the Southwest Everglades a Decade Following Hurricane Andrew: Variable Patterns of Recruitment, Growth, and Mortality – Thomas Smith III, US Geological Survey, Florida Integrated Science Center, Saint Petersburg, FL

2-126 Response of Muhly Grass to Different Seasons of Prescribed Fire in Southern Florida – Jim Snyder, US Geological Survey, Florida Integrated Science Center, Ochopee, FL

2-114 Spoil Island Renovation – Julia Stack, The Florida Aquarium, Horticulture/Biological Operations, Tampa, FL


2-127 The Relationship Between Soil Moisture and Nutrient Availability in Tree Islands of Shark Slough, Everglades National Park – Elizabeth Struhar, Florida International University, Environmental Studies, Miami, FL


2-115 Fast Growing Tree Bridge Crops for Ecological Restoration of Phosphate Mined Lands – Bijay Tamang, University of Florida, School of Forest Resources and Conservation, Gainesville, FL


2-67 Benthic Periphyton Recovery and Phosphorus Dynamics upon Artificial Flooding in a Newly Burned Freshwater Marl Prairie (Everglades National Park, FL, USA) – Serge Thomas, SERC/FIU, Periphyton Group, Miami, FL

2-110 Permanent Habitat Changes on Cape Sable, Everglades National Park – Ginger Tiling, US Geological Survey, Geology, St. Peterburg, FL
Session 2 – Thursday, December 9, 2004

- On display from 7am Wednesday through 12noon Friday, with a formal poster session and reception on Thursday from 5pm-7pm.

**Poster No.**


2-85 ......The Spatial Distribution and Relative Abundance of Larval Dragonflies (Anisoptera) Found in the Freshwater Marshes of the Florida Everglades – **Raul Urgelles**, Florida International University, Biological Sciences, Miami, FL

2-07 ......The Role of Oysters, Oyster Reef-Associated Organisms, and Adaptive Resource Management in Setting Water Quality Targets in the Caloosahatchee Estuary, Florida – **Aswani Volety**, Florida Gulf Coast University, Ecological and Social Sciences, Fort Myers, FL

2-72 ......The Importance of Flow in Restoring and Maintaining the Ridge-Slough-Tree Island Landscape Pattern in the Florida Everglades – **John Volin**, Florida Atlantic University, Biological Sciences, Davie, FL

2-08 ......Environmental Alterations in Florida Bay in the Past 3000 Yrs Based on Diatom Assemblages Extracted from Sediment Cores – **Anna Wachnicka**, Florida International University, Southeast Environmental Research Center, Miami, FL

2-92 ......Threats to Amphibian Populations in South Florida – **Hardin Waddle**, University of Florida, Florida Co-Op Fish & Wildlife Research Unit, Ochopee, FL


2-54 ......Surface Water Quality Monitoring in Everglades, Florida – **Qingren Wang**, Tropical Research and Education Center, University of Florida/IFAS, Homestead, FL


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Poster No.

2-69 ......Changes in Groundwater Influence Soil Surface Elevation in a Mangrove Forest along the Shark River, Everglades National Park – Kevin Whelan, US Geological Survey, Florida Integrated Science Center, Miami, FL

2-37 ......TAME Melaleuca: An Integrated Pest Management Approach for Control of *Melaleuca quinquenervia* – M. Scott Wiggers, USDA-ARS, Invasive Plant Research Laboratory, Fort Lauderdale, FL

2-09 ......Recent Changes to an Estuarine-Marine Ecosystem: Using Benthic Foraminiferal Assemblage Data toward a Predictive Model of Ecosystem Change, Central and Southern Biscayne Bay, Florida – Christopher Williams, Southern Illinois University Carbondale, Geology Department, Carbondale, IL


2-88 ......Patterns of Movement of Florida Gar (*Lepisosteus platyrhincus*) in the Everglades Revealed by Radio Telemetry – Lawrence Wolski, Florida International University, Biological Sciences, Miami, FL


2-10 ......Modeling Three-Dimensional Coastal Water Quality with a General Paradigm – Gour-Tsyh (George) Yeh, University of Central Florida, Civil and Environmental Engineering, Orlando, FL