

Poster Directory

GEER Poster Directory – Session One

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- 15 **Zhnao Deng**, Developing Genetic and Molecular Tools for Assessing and Controlling the Invasive Potential of *Lantana camara*
- 48 **M. Brett Gallagher**, Effects of Seasonal Hydrology and the 2010 Cold Snap on the Distribution & Abundance of Snook
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- 23 **James B. Murray**, Decline in Populations of the Non-Native Red Rimmed Melania in Biscayne Bay National Park, FL
- 46 **Erin Myers**, The Florida Invasive Species Partnership
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- 69 **Todd Z. Osborne**, Vegetation Community Responses to Prescribed Fire Regimes in the A. R. M. Loxahatchee National Wildlife Refuge
- 24 **Dianne Owen**, The Effect of Hydrology, Fire Regime and Exotic Invasion on the Postburn Successional Trajectory of Plant Communities in Big Cypress
- 53 **J.P. Perea-Rodriguez**, Prevalence of a Parasitic Isopod, *Probopyrus* spp., on Palaemonid Shrimp along a Marsh-Estuarine Gradient in the S. Everglades
- 63 **Amy Renshaw**, Effect of Water Management Changes to the Stage-Discharge Relationship in Upper Taylor Slough
- 56 **Gregg Reynolds**, Comparison of Everglades Slough Vegetation Hydrologic Suitability from Scientific Literature, and Experimentally Determined Plant Species Responses
- 42 **Mike Robblee**, Temporal and Spatial Patterns of Juvenile Pink Shrimp in South Florida Estuaries
- 25 **Michael Rochford**, Movements, Habitat-Use, Thermal Biology, and Diet of Burmese Pythons in the Everglades
- 26 **Christina Romagosa**, The Northern African Python in South Florida
- 27 **Kory M. Ross**, Factors Affecting Exotic Fish Distribution at Babcock Ranch
- 68 **William Roth**, A Compartmental Screening Model for Stage and Water Quality in a Large Everglades Wetland
- 77 **Amartya Saha**, Development of a Hydrological Budget for Shark River Slough
- 28 **Pamela Schofield**, Why Ecophysiology Matters
- 2 **Mark Shafer**, Assessing Sea Level Rise Impacts to CERP Coastal Projects
- 62 **Dilip Shinde**, Simulation of Water Flow and Phosphorous Transport in a Highly Interactive Surface Water Groundwater System in the Series of S-332
- 75 **Sahas Shrestha**, Modeling Hydrologic Flow across a Marsh-Mangrove Ecotone in Ten Thousand Islands
- 55 **Lars Soderqvist**, Seasonal and Spatial Distribution of Freshwater Flow and Salinity in the Ten Thousand Islands Estuary
- 60 **Roy Sonenshein**, A Hydrologic Model to Evaluate Seepage beneath Levee 31N from Northeast Shark River Slough
- 29 **Pushpa Soti**, Role of Mycorrhizal Fungi in Supporting Invasiveness of Old World Climbing Fern in South Florida Natural Areas
- 3 **Erik Stabenau**, Status and Trends in Marine and Estuarine Conditions, Florida Bay
- 54 **Jennifer Stiner**, Science Communication: Evolution of the CERP System
- 34 **Suresh Subedi**, Determination of Nutrient Limitation on Trees Growing in LILA Tree Islands
- 37 **Zoltan Szantoi**, Classification of Marl Prairie and Marsh Vegetation Communities in the Everglades National Park
- 73 **Craig Thompson**, Quantifying Freshwater Inflows to the Caloosahatchee River Estuary
- 4 **Ginger Tiling-Range**, Mapping the Changing Coastline of Southwest Florida
- 67 **Louise Venne**, Response of Wading Birds to Fire in the Central Everglades
- 61 **Anna Wachnicka**, Mutualistic Relationship between Periphyton Mats and Macrophytes in the Southern Everglades Wet Prairies
- 66 **Michael Waldon**, Designing and Testing Modeled Hydrological Performance Measures
- 30 **Susan Walls**, Presence of Invasive Cuban Treefrog Reduces Probability of Occurrence of Native Treefrog
- 31 **Theresa Walters**, Nested Conceptual Models for Understanding Ecological Impacts of Burmese Pythons
- 32 **Kevin R.T. Whelan**, Corridors of Invasiveness Plant Monitoring
- 5 **Kathy Worley**, Mangrove Restoration in Selected Areas of Pine Island Sound after Hurricane Charlie
- 65 **Zhixiao Xie**, Revisions to the EDEN Ground-Surface Digital Elevation Model and Water Surface Model in the Water Conservation Area 1

Session One Posters are on display beginning at 8:30am on Monday, July 12. A formal Poster Networking Session is scheduled Tuesday, July 13 from 5:00pm-7:00pm. Presenters will stand at their posters from 6:00pm-7:00pm. Poster Session One should be removed upon conclusion of the evening session.

NOTE: Poster abstract titles in this listing are abbreviated. Consult the poster directory in the program book for full reference.

GEER Poster Directory – Session Two

- 9 **Karen Balentine**, Crab Burrows and their Contribution to Surface Elevation in Mangrove Forests of Tampa Bay and Everglades National Park
- 41 **Tim Bargar**, A Water Quality Criteria-Based Evaluation of Copper Impacts to South Florida's Freshwater Environment
- 42 **Tim Bargar**, A Risk Assessment of Methylmercury to Fish in South Florida
- 48 **Jim Barnes**, Low Impact Development Strategies: Tools and Techniques for Sustainability
- 53 **Ian Bartoszek**, American Alligator and Selective Faunal Surveys for the Picayune Strand Restoration Project
- 6 **Laura Belicka**, Biochemical Markers of the Effects of Canal-Induced Nutrient Gradients on Food-Webs in a Taylor Slough
- 54 **Marcia Berry**, Hydrologic Information of the Western Tamiami Trail and the Ten Thousand Islands
- 22 **Amanda Booth**, Water Quality Monitoring at McIntyre Creek, J. N. "Ding" Darling National Wildlife Refuge
- 49 **Richard Botta**, Effects of Lake Stage and Marsh Elevation on Wading Bird Nesting Effort at Lake Okeechobee
- 68 **Ross Boucek**, Resource Partitioning Among Five Mesopredators in the Upper Shark River Estuary
- 7 **Laura Brandt**, Planning for Climate Change in South Florida: Climate Envelope Modeling for Threatened and Endangered Species
- 40 **Edwin Brown**, Forecasting Effects of Nutrient Loading and Availability of an Ecosystem Restoration in the Caloosahatchee and St. Lucie Estuaries
- 50 **Edwin Brown**, The Effects of CERP, upon Submerged Aquatic Communities in Lake Okeechobee
- 18 **Becky Burns**, CERP Adaptive Management Program Implementation
- 69 **Brittany Burtner**, Do Wading Birds Nest Near Alligators by Choice?
- 32 **David W. Ceilley**, An Update of the Biological Monitoring Plan for the Lake Trafford Restoration Project, Collier Co. FL
- 73 **Gail Chmura**, Bone-rich Anthropogenic Sediments on Everglades Tree Islands
- 36 **Philip Darby**, Modeling Apple Snail Population Response to Hydrologic Change in the Everglades
- 74 **Vic Engel**, Tree Island-Grass Coexistence in the Everglades Freshwater System
- 12 **Kris Esterson**, Making Sea Level Rise Projections Actionable For Engineering
- 39 **Larry Fink**, A Time-Dependent, Multi-Trophic Level Model of First-Flush Methylmercury Bioaccumulation. Part 2.
- 35 **Ann Foster**, Fire History in Everglades National Park and Big Cypress National Preserve
- 38 **Piero Gardinali**, Using Large Datasets to Develop Background Concentration Ranges of Trace Elements in Soils
- 64 **Roxanne Gause**, Modeling Nutrient and Biological Sources within Hendry and Mullock Creek Basins
- 75 **Matthew Hanson**, Foraging Ecology of Nesting Bald Eagles (*Haliaeetus leucocephalus*) in Florida Bay, Everglades National Park
- 61 **Kristen Hart**, Inter-Nesting Habitat for Dry Tortugas Loggerhead Sea Turtles
- 61 **Kristen Hart**, Mercury Bioaccumulation in Everglades Pythons
- 76 **Judson Harvey**, Sediment and Particulate Phosphorus Transport in a Free Flowing Everglades
- 47 **J. Matthew Hoch**, Monitoring Fish Communities and Populations on the Eastern Boundary of Everglades National Park
- 43 **Rebecca Howard**, Effects of the Picayune Strand Restoration Project on Vegetation Assemblages of the Mangrove/Marsh Transition
- 17 **Angie Huebner**, Lessons Learned: Invasive Plant Management at 8.5 Square Mile Area
- 65 **David Krabbenhoft**, Bacterial Mercury Methylation: The Role of Dissolved Organic Carbon
- 10 **Jon Lane**, The Everglades Cooperative Invasive Species Management Area
- 5 **Sylvia Lee**, Trajectory Analysis of Everglades Diatom Community Response to Natural and Anthropogenic Influences
- 66 **Yanbin Li**, Degradation of Methylmercury and Its Effects on Mercury Distribution and Cycling in the Florida Everglades
- 20 **Alicia Logalbo**, Effects of Historical Changes and CERP Restoration Projects to Endangered Everglades Avian Populations
- 14 **John Marshall**, GEER Progress from a Total Ecosystem Services View
- 51 **Jennifer Mitchell**, Phosphorus Dynamics as a Result of Restoration in Subtropical Grazed Wetlands
- 29 **Steve Mortellaro**, Macroinvertebrates as an Indicator of Wetland Condition
- 28 **Gregory Mount**, Characterization of Dissolution Structures and Porosity Distributions in the Upper Part of the Biscayne Aquifer
- 37 **Jing-Yea Yang**, Flow Rating Improvement and Uncertainty Analysis for Culverts in a Stormwater Treatment Area
- 63 **William Orem**, Sulfate Contamination in the Everglades — What Concentration Minimizes Impacts?
- 4 **Joseph Parkos**, Influence of Canals on Dispersal Patterns of Native and Non-native Fish in the Everglades
- 44 **Elise Pearlstine**, A Conceptual Ecological Model for the Everglades Agricultural Area
- 34 **Leonard Pearlstine**, A CircuitScape Dispersal Model and Index for Connectivity in South Florida Landscapes
- 70 **Leonard Pearlstine**, A Collaborative Computing Framework for Rapid Ecomodel Development
- 26 **Matthew Petkewich**, Automation of the Estimation of Missing Water-Level Data for the Everglades Depth Estimation Network (EDEN)
- 25 **Emily Pifer**, Use of Remote Cameras to Detect Small and Medium-sized Mammals in Everglades National Park and Big Cypress National Preserve
- 52 **Ronald Reese**, Origin of High Salinity Groundwater in the Surficial Aquifer System at the Herbert Hoover Dike
- 67 **Jennifer Richards**, The Public Face of Everglades REMAP 2005
- 62 **Colleen Rochelle**, Mercury in Sentinel Fish from Coastal Regions of the Greater Everglades
- 55 **Darren Rumbold**, Spatial and Temporal Patterns in Mercury Concentrations in Blood and Hair of Florida Panthers
- 56 **Darren Rumbold**, Fine Scale Spatial Variation in Total Mercury Levels in Molluscan Bivalves from Southwest Florida
- 13 **Seema Sah**, Everglades based College Level Field Courses
- 16 **Lauren Serra**, Land-clearing Treatments Indicate Differences in Total Phosphorus in Soils Following Soil Removal
- 30 **Dilip Shinde**, Improved Water Quality Sampling Methodology and Comparison with Conventional Grab and Auto-Sampling Methods
- 19 **Jim Snyder**, Experimental Study of Post-fire Recovery of Short-Hydroperiod Prairies
- 46 **Eric Sokol**, Inter-annual Variation in Hydroperiod Affects Periphyton Standing Crop and the Associated Macroinvertebrate Community
- 71 **Peter Stone**, Common Peat-Over-Marl Sedimentary Sequences in South Florida
- 3 **Michael Sukop**, A New Approach in Geostatistical Modeling to Capture Stratification of Macroporosity in the Biscayne Aquifer
- 8 **Michael Swain**, Experimental Determination of Soil Heat Storage Depth for the Simulation of Heat Transport in a Coastal Wetland
- 33 **Georgio Tachiev**, MIKE SHE and MIKE 11 Surface/Subsurface Hydrological Model for the Everglades National Park
- 31 **Pamela Telis**, Using a Network of Benchmarks to Evaluate and Verify the EDEN Surface-water Model
- 2 **Joel Trexler**, Trade-offs Between Nutrient and Predator Effects on a Primary Consumer Along a Canal Gradient in an Oligotrophic Wetland
- 45 **Joel VanArman**, Natural and Human Factors that Affect Water Quality and Biological Resources in the Everglades
- 1 **Boya Volesky**, Online Everglades Library
- 21 **Amanda Watson**, Decentralization and Sheetflow Enhancement within Water Conservation Area 3
- 23 **Adam Watts**, Post-fire Survival of Pond Cypress Following the Deep Fire, Big Cypress National Preserve, Florida
- 24 **Adam Watts**, Landform Elevation as Evidence of Regular Surface Patterning in Big Cypress National Preserve, Florida
- 11 **Russ Weeks**, CERP Climate Change Study — Modeling the Effects of Sea Level Rise in South Florida
- 15 **Zach Welch**, Shifts in Snail Kite Nesting and Implications for Central Florida Lake Management
- 57 **Alan Wright**, Extracellular Enzyme Activity in Sulfur-Amended Everglades Soils
- 58 **Alan Wright**, Seasonal Dynamics of Phosphorus in Sulfur-Amended Organic Soils of the Everglades Agricultural Area
- 59 **Alan Wright**, Linking Soil Chemical Properties and Microbial Activity in Everglades Agricultural Area Soils
- 60 **Alan Wright**, Decomposition Dynamics of Nymphaea in Everglades Wetlands
- 72 **Tan Xu**, Hydrologic Effects on Nutrient Release and Microbial Activity for Different Land Uses in the Everglades Agricultural Area

Session Two Posters are on display beginning at 7:30am on Wednesday, July 14 through 10:30am on Friday, July 16. A formal Poster Networking Session is scheduled Thursday, July 15 from 5:00pm-7:00pm. Presenters will stand at their posters from 6:00pm-7:00pm. Poster Session Two posters should be removed upon conclusion of the 10am break on Friday.

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