

Program Agenda



WELCOME TO GEER 2010: The Greater Everglades Ecosystem Restoration Planning, Policy and Science Meeting

MON							MONDAY, JULY 12, 2010						
7:00-5:30							Conference Registration Open						
7:00							EXHIBIT HALL OPEN FOR POSTER & EXHIBITOR MOVE-IN (MORNING REFRESHMENTS WILL BE AVAILABLE)						
9:00-5:30							Invasive Species Summit						
10:30-10:45							REFRESHMENT BREAK - CONTINUANCE OF POSTER & EXHIBITOR SET-UP						
10:00-5:30							<p align="center">IMPROMPTU MEETINGS</p> <p align="center">(Four small rooms are blocked for GEER attendees who wish to have private meetings with colleagues while at the conference. Sign-up sheets to reserve these rooms will be posted on BOARD #1 in the Exhibit Hall.)</p>						
noon-1:30							LUNCH ON OWN						
1:30-4:30							Workshop on Application of Adaptive Management to Address Climate Change Related Challenges						
3:00-3:30							PM BREAK						
5:30-7:00							EARLY BIRD NETWORKING SOCIAL - THE VISTA ROOM (POOLSIDE)						
TUES							TUESDAY, JULY 13, 2010						
7:30-5:30							Conference Registration Open						
7:30-8:30							MORNING REFRESHMENTS						
8:30-10:00							Concurrent Sessions						
Royal Palm IV-V		Royal Palm I-II		Royal Palm VI-VII		Acacia 1-3		Royal Palm III		Royal Palm VIII			
Flow Effects in the Greater Everglades: Hydrologic and Ecological Drivers: Part 1		System-Wide Science: Part 1		Loxahatchee's Living Laboratory: Part 1		Wading Bird Habitat Characterization		Invasive Species: Part 1		Past, Present & Future Hydrology: Management Implications: Part 1			
MODERATOR		Jud Harvey		Chris Boruch		Marcie Kapsch		Becky Burns		Art Roybal		Frank Marshall	
8:30-8:40							Introduction and Overview						
8:40-9:00		Matt Cohen Flow and Pattern in the Ridge-Slough Mosaic: Predictions of Two Alternative Mechanisms for Landform Development		Katie McCallion The Real World - Merging Science and Engineering for Ecosystem Restoration		Robin Boyle Diet Composition of White Ibis Chicks in Loxahatchee National Wildlife Refuge: Crayfish, Crayfish and more Crayfish		Rena Borkhataria The Importance of South Florida for Wintering Wood Storks (<i>Mycteria americana</i>)		Michael Avery USDA/Wildlife Services: Tools and Strategies for Burmese Python Control		Debra Willard Long-term Spatial and Temporal Heterogeneity within Everglades Marl Prairies: A Late Holocene Perspective	
9:00-9:20		Agnes McLean Band 1: Simulating and Analyzing the Effects of 10 Everglades Restoration Projects for the Comprehensive Everglades Restoration Plan		Eliza Hines The Role of a Robust Science Program in Large-Scale Ecosystem Restoration: Comparison of CERP and the Missouri River Restoration Program		Rebekah Gible Growth and Survival of <i>Pomacea paludosa</i> , Say (Florida apple snail) Associated with Water Chemistry Gradients in the A.R.M. Loxahatchee National Wildlife Refuge		Jason Lauritsen Assessment of Wood Stork Foraging Opportunity for Southwest Florida		Chuck Barger I'veGot1.org – Reporting and Tracking Invasive Species in the Everglades		Lynn Wingard Salinity History of the Southern Estuaries: Information to Estimate Past Flow Regimes and Set Restoration Targets	
9:20-9:40		Jennifer Richards Characterizing Plant Community Hydrology Using the Everglades Depth Estimation Network		Jim Vearil Stuff Happens: Robustness and Flexibility as Tools for CERP Adaptive Management		Tiffany Trent Water Chemistry Effects on Apple Snail (<i>Pomacea paludosa</i> , Say) Reproductive Patterns in the Northern Everglades		Shawn Liston Aquatic Prey Communities in Southwest Florida Wood Stork Foraging Sites		Teresa Cooper The Mexican Bromeliad Weevil (<i>Metamasius callizona</i>): Changing Florida's Canopy		Peter Harlem Historic Surface Water Discharge to Biscayne Bay via the Transverse Glades	
9:40-10:00		Jay Sah Changing Cape Sable Seaside Sparrow Habitat Conditions in Marl Prairie Landscape and their Implications for Everglades Restoration		Michael Bauer A Twenty Year Plan to Restore Naples Bay		Laura Brandt Amphibians and Muskrats as Potential Indicators of Ecological Change		Tyler Beck The Importance of Treatment Wetlands as Avian Habitat in South Florida		Ikuko Fujisaki Risk Assessment of Invasive Wildlife Species in South Florida		Anna Wachnicka Response of Diatom Communities to the 20th Century Changes in Water Quality Conditions in Biscayne Bay	
10:00-10:30							AM Break						

TUES	TUESDAY, JULY 13, 2010 (continued)					
10:30-noon	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Flow Effects in the Greater Everglades: Modeling to Guide Restoration Part 2	System-Wide Science: Part 2 - Science of the Trophic Hypothesis	Loxahatchee's Living Laboratory: Part 2	Program Management and Project Implementation: Part 1	Invasive Species: Part 2	Past, Present & Future Hydrology: Modeling & Application: Part 2
MODERATOR	Vic Engel	Dale Gawlik	Tiffany Trent	Brian Files	Chuck Bargeron	Lynn Wingard
10:30-10:40	Introduction and Overview					
10:40-11:00	Jim Heffernan Ecohydrologic Feedbacks and Topographic Pattern in Everglades Peatlands: A Model of the Self-organizing Canal Hypothesis	Peter Frederick Wading Bird Nesting as a Tool for Understanding Everglades Ecology: Keystone Integrator	Paul Conrads Development of Empirical Hydrologic and Water-Quality Models of Loxahatchee National Wildlife Refuge Using Data-Mining Techniques	Stu Appelbaum The South Florida Ecosystem Restoration Program and the Integrated Delivery Schedule	James Cuda Apocnemidophorus pipitzi (Coleoptera: Curculionidae), a New Candidate for Biological Control of Brazilian Peppertree, <i>Schinus terebinthifolius</i> (Anacardiaceae)	Frank Marshall Coupling Statistical Models with Paleocological Information - A Synthesis of Pre-drainage Hydrology and Salinity Estimates in the Greater Everglades Ecosystem
11:00-11:20	Katie Skalak Quantifying Vegetative Flow Resistance and Predicting its Influence on Velocity and Water Depth in the Everglades	Evelyn Gaiser How to Incorporate Variability in Community Sensitivity in Detecting Ecological Response to Management Driven Shifts	Mauro Nalesso Integrated Surface-Ground Water Modeling in Wetlands with Improved Methods to Simulate Vegetative Resistance to Flow	Karen Tippett South Florida Ecosystem Restoration Program Authorities and Project Funding Implications	Dennis Giardina Everglades CISMA Rapid Response to Python Sebae in Miami Dade County	Judson Harvey Incorporating Vegetation Resistance into Hydraulic Models as a Tool for Managing a Free Flowing Everglades
11:20-11:40	Marc Stieglitz Scale-Dependent Nutrient Feedback as a General Mechanism for Vegetation Patterning and Tree Island Formation in Wetland Ecosystems	Joel Trexler Linking Aquatic-Consumer Biomass to Environmental Drivers and Algal Ecology	Matthew Harwell Loxahatchee's Living Laboratory	Eric Bush South Florida Ecosystem Restoration Issues Resolution and Change Control	Jeffrey Hutchinson Evaluation of Annual Herbicide Application for Control of <i>Lygodium microphyllum</i> on Tree Islands in A.R.M. Loxahatchee National Wildlife Refuge	Bernard Cosby Relating Observed Extreme Salinity Events in Florida Bay to Physical and Hydraulic Conditions Simulated Using the FATHOM Model
11:40-noon	Laurel Larsen Modeling to Predict Causes of Degradation and Likely Outcomes of Restoration of the Everglades Ridge and Slough Ecosystem	Aaron Parker Environmental Filters of Wet-Season Aquatic Communities into Dry-Season Pools	Interactive Discussion	Nanciann Regalado South Florida Ecosystem Restoration Outreach and Strategic Communication	Krish Jayachandran Potential for Use of Native Phytopathogens as Biocontrol Agents for Invasive Plant Species	Patrick Pitts An Evaluation of the CERP Florida Bay Salinity Performance Measure
noon-1:30	LUNCH ON OWN					
1:30-3:00	<p align="center">WELCOMING PLENARY SESSION</p> <p align="center"><i>Welcome to the 2010 Greater Everglades Ecosystem Restoration (GEER) and Invasive Species Summit Joint Meetings, Workshops and Special Sessions: Helping Us Do Our Jobs Effectively, Efficiently in the Spirit of Partnership</i></p> <p align="center">– G. Ronnie Best, US Geological Survey and K. Ramesh Reddy, University of Florida / IFAS, Co-Moderators</p> <p align="center"><i>Greater Everglades Restoration...CERP and Beyond</i> – COL Alfred A. Pantano, Jr., District Commander, Corps of Engineers – Jacksonville Office</p> <p align="center"><i>Keynote Address</i> – Eric Buermann, Chairman, Governing Board, South Florida Water Management District</p>					
3:00-3:30	PM BREAK					

TUESDAY, JULY 13, 2010 (continued)						
3:30-5:00	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	PANEL SESSION: Flow Effects in the Greater Everglades	System-Wide Science: Part 3 - Translating a Trophic Hypothesis Foundation for Restoration	Taylor Slough Basin Restoration	Program Management and Project Implementation: Part 2	Invasive Species: Part 3	Southern Coastal Systems - Responses to Hydrologic Conditions in the Mangrove Ecotone
MODERATOR	Matt Cohen	Joel Trexler	Matt Harwell	Brian Files	Tony Pernas	Mark Zucker
3:30-3:40	Introduction and Overview					
3:40-4:00	PANEL MEMBERS: Jim Heffernan, FIU Laurel Larsen, USGS Vic Engel, NPS Eric Bush, USACE Bruce Boler, NPS Guiding Questions: 1.) How will restoration of sheetflow influence landscape topography and habitat diversity and connectivity and associated biological communities? 2.) What are the relative merits of pulsed flow versus continuous flow inputs to accomplish restoration? 3.) What are the achievable end states for ridge-slough-tree island landscapes given realistic constraints on water quantity and quality? 4.) What do managers need from scientists to proceed with hydrologic restoration ?	Bryan Botson Modeling Tropic Linkages with Wading Bird Prey Concentrations: Turning Ecosystem Attributes into Wading Bird Food	Kevin Kotun A Recent History of Taylor Slough Hydrology	Ingrid Bon Herbert Hoover Dike Rehabilitation Program Management	Kevin Heatley More than an Inventory: Prioritizing Invasive Treatment Sites with Limited Resources	Paul Conrads Analysis of the USGS Coastal Gradient Real-time Gaging Network
4:00-4:20		Dale Gawlik A Synthesis of Recent Studies Showing How Prey Availability Effects Wading Bird Habitat	Donatto Surratt Recent Degradation of the Vegetation Community in Taylor Slough Wetlands (Everglades National Park)	Tom St. Clair Comparison of South Florida with Other Large-Scale Ecosystem Restoration Programs	Elliott Jacobson The Ability of Large Constrictors to Invade Areas of the United States Beyond South Florida: Fact vs. Fiction	Mark Zucker Monitoring Freshwater Flow to Florida Bay and the Southwestern Coastal Estuaries of Everglades National Park in Support of the Comprehensive Everglades Restoration Plan
4:20-4:40		Amanda Banet Using CERP MAP Data and Ecological Forecasting Methods to Develop an Assessment Protocol for Everglades Restoration	Jimi Sadle Recent Vegetation Changes in Taylor Slough, Everglades National Park	Lacy Shaw Project Implementation: A Case Study of Picayune Strand from Planning Through Construction	Art Roybal Everglades Invasive Species Early Detection and Rapid Response Plan: A Coordinated Framework of Partners and Procedures	Jennifer Rehage Effects of Abiotic Drivers on the Distribution and Abundance of Fishes at the Marsh-Mangrove Ecotone: What are the Implications for Predator-Prey Interactions?
4:40-5:00		James Beerens Resource Selection Function as an Empirical Approach to Developing a Wading Bird Habitat Suitability Index	Nick Aumen Restoration Implications of Recent Ecological Changes in Taylor Slough, Everglades National Park	Tony Buitrago Program Management Support Contracts and Everglades Partners Joint Venture	Elroy Timmer Control Options for the Most Common Invasive Plants in Arthur Marshal and Similar Areas of the Everglades	Edwin Brown The Effects of CERP Increasing Freshwater Flows to the Oligohaline and Mesohaline Areas of North East Florida Bay
5:00-7:00	Poster Session I and Networking Reception (Poster Session I Presenters Remove Displays Upon Conclusion)					
7:30-5:30	Conference Registration Open					
7:30-8:30	MORNING REFRESHMENTS (Poster Session II Presenters Set-up Displays)					
8:30-10:00	PLENARY SESSION Greater Everglades Ecosystem Restoration — “Hot Topics” <i>Invasive Species</i> – COL Alfred A. Pantano, Jr., District Commander, Corps of Engineers – Jacksonville Office <i>A Wetter Everglades...Increased Freshwater Flows</i> – Robert Johnson, Everglades National Park, National Park Service, Homestead, FL <i>The Skyway Bridge...The Right Solution</i> – Rock Salt, Principal Deputy Assistant Secretary of the Army, Washington, DC					
10:00-10:30	AM Break					

WED	WEDNESDAY, JULY 14, 2010					
10:30-noon	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Climate Change, Sea Level & Natural Hazards Part 1: Modeling	Development of a National Community of Ecosystem Restoration Practitioners	Tree Islands Part 1: Managing a Changing Landscape	Picayune Strand Restoration Project: Wetlands Restoration of a 58,000 Acre Drained Residential Development - Part 1	Invasive Species: Part 4	Southern Coastal Systems - Submerged Aquatic Vegetation Responses to Hydrologic Conditions
MODERATOR	Glenn Landers	Cheryl Ulrich	Sharon Ewe	David Bauman	Dennis Giardina	Don Deis
10:30-10:40	Introduction and Overview			Kathy Worley	Introduction and Overview	
10:40-11:00	Paul Hearn The IMIMAGE Project - Internet-based Modeling, Mapping, and Analysis for the Greater Everglades	Bill Leary The Time is NOW for a National Coalition for Ecosystem Restoration	Paul Wetzel Knowledge Gaps in Tree Island Ecology	The Picayune Strand Restoration Project: From Wetland Ecosystem to Failed Residential Development and Back	Tony Pernas Digital Aerial Sketch Mapping (DASM) for Invasive Plant Survey and Mapping in the Everglades Cooperative Species Management Area (ECISMA)	Thomas Frankovich Opposite Seasonal Patterns in Chara and Halodule Communities in the Mangrove Lakes and Estuaries of the Coastal Everglades: Relationships to Environmental Variables
11:00-11:20	Kris Esterson The Sea Level Projections of USACE EC 1165-2-211 in Context	John Adornato America's Great Water Coalition	Agnes McLean The Conceptual Ecological Model for Everglades Tree Islands	Brad Foster Picayune Strand Restoration: Alternatives Evaluation and Selection of the Recommended Plan	Chris Matson Replacing Torpedograss (<i>Panicum repens</i>) with Native Species in Shallow Herbaceous Wetlands	Darrell Herbert Projected Reorganization of Florida Bay Seagrass Communities in Response to Increased Freshwater Inflow with Everglades Restoration
11:20-11:40	James Watling Climate-based Distribution Models for the American Crocodile, <i>Crocodylus acutus</i> : Challenges and Management Opportunities	Cheryl Ulrich Creation of a National Community for Ecosystem Restoration	Michael Ross Linking Soils, Hydrology, and Forest Structure in Everglades Tree Islands		Frank Mazzotti Performance Measures for Adaptive Management of Burmese Pythons	Theresa Strazisar Seedbank, Germination and Abiotic Factors Control <i>Ruppia maritima</i> Dynamics across the Freshwater-Marine Transition Zones in Florida Bay
11:40-noon	Juan Carlos Vargas-Moreno Participatory Scenario Planning for Climate Change and The Greater Everglades Landscape	Interactive Discussion	Tiffany Troxler Interactions of Biological and Hydrogeochemical Processes Facilitate Phosphorus Dynamics in an Everglades Tree Island	Roger Copp Use of Hydrological Modeling for Selection of the Recommended Picayune Strand Restoration Plan	John Volin Does Water Hyacinth (<i>Eichhornia crassipes</i>) Compensate for Simulated Defoliation? Implications for Effective Biocontrol	Piero Gardinali Contaminants in Biscayne Bay: Everything Else but Nutrients
noon-1:30	LUNCH PROVIDED IN PRE-FUNCTION AREA					

WED	WEDNESDAY, JULY 14, 2010 (continued)					
1:30-3:00	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Climate Change, Sea Level & Natural Hazard Part 2: Water	PANEL SESSION: Implications of New Scientific Knowledge for Restoration: Update on the RECOVER Knowledge Gained Initiative	Tree Islands Part 2: Managing a Changing Landscape	Picayune Strand Restoration Project: Wetlands Restoration of a 58,000 Acre Drained Residential Development Part 2	Water Quality and Gradients Across the Everglades: Part 1	Southern Coastal Systems - Ecological Responses to Hydrologic Conditions in the Southern Everglades Ecosystem
MODERATOR	Leonard Berry	Tom St. Clair	Mike Ross	David Bauman	Dave Krabbenhoft	Dave Bornholt
1:30-1:40	Introduction and Overview			Lacy Shaw Picayune Strand Restoration Project: From Planning to Construction — Lessons Learned in Project Implementation	Introduction and Overview	
1:40-2:00	Lisa Beever An Integrated Approach to Climate Change Vulnerability, Resiliency and Adaptation	Panel Members: Don Deis, EPJV Matt Harwell, FWS Kelly Keefe, USACE Jed Redwine, EPJV Discussion Topic: Panel members will present updates to scientific information obtained over the past ten years pertinent to Everglades restoration that will be used to help define restoration success	Sharon Ewe Landscape-scale Trends and Decadal Spatial Patterns of Ghost Islands in the Everglades		Bill Orem Impacts of Sulfate-Enriched Water Discharged into Northwestern Water Conservation Area 2A	Maria Ciales The Effect of a Preconditioning Salinity on Survival and Growth of Postlarvae and Juvenile Pink Shrimp
2:00-2:20	Jessica Bolson An Assessment of an Integrated Participatory Scenario Development Framework that Addresses Climate Impacts on South Florida Water Resource Management		Binhe Gu Soil Phosphorus Distribution in Ghost Tree Islands and Surrounding Marsh along a Hydrological Gradient in Water Conservation Area 2A	Tom Leicht Picayune Strand Restoration Project: Engineering Design; Pump Stations and Other Project Features	David Evans Mercury Concentrations and Stable Carbon and Nitrogen Isotopes in Fish along the Freshwater to Estuarine Transition in Eastern Florida Bay	Chris Kelble Juvenile Sportfish Populations in Florida Bay: Influence of Salinity
2:20-2:40	John Meeder Coastal Hypoxia in South Florida Associated with Projected Sea Level Rise and Holocene Organic Carbon Sediment Export		Jennifer Vega Vegetation Ecology of Ghost Islands in the Everglades	Kim Dryden Assessing Project Effects on Wildlife in Picayune Strand Restoration Project	George Aiken Dissolved Organic Matter in the Florida Everglades: Implications for Ecosystem Restoration	John Baldwin Long-term Population Trends (1958-2008) of Bald Eagles (<i>Haliaeetus leucocephalus</i>) in Florida Bay, Everglades National Park
2:40-3:00	Barry Heimlich Effects of Sea Level Rise on Southeast Florida's Water Resources		Interactive Discussion		Piero Gardinali Presence, Distribution and Potential Environmental Implications of the Presence of Endosulfan Sulfate Residues in Waters, Sediments and Biological Samples in South Florida	Jerome Lorenz Banding and Tracking of Roseate Spoonbills Suggests Florida Bay May be at a Tipping Point in Reference to Everglades Restoration Efforts
3:00-3:30	PM Break					

WEDNESDAY, JULY 14, 2010 (continued)						
WED	WEDNESDAY, JULY 14, 2010 (continued)					
3:30-5:00	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Climate Change, Sea Level & Natural Hazards Part 3: Sea Level Rise	Everglades Science in Support of Restoration – What Do Decision Makers Need? Part 1	Tree Islands Part 3: Management of a Changing Landscape	Picayune Strand Restoration Project: Wetlands Restoration of a 58,000 Acre Drained Residential Development Part 3	Water Quality and Gradients Across the Everglades: Part 2	Biscayne Bay Physical and Ecological Processes: Part 1
MODERATOR	Steve Traxler	Joel Trexler	Miguel Fernandes	David Bauman	Bill Orem	Joan Browder
3:30-3:40	Introduction and Overview			Angie Huebner Picayune Strand Restoration: Preparing the Exotic and Nuisance Native Vegetation Management Plan	Introduction and Overview	
3:40-4:00	Glenn Landers An Update on USACE Sea Level Change Guidance and Preliminary Applications for Everglades Restoration Projects	Paul Wetzel Everglades Science in Support of Restoration – Synthesis of Everglades Restoration and Ecosystem Services (SERES)	Pamela Sullivan Hydrodynamics of Recently Planted Tree Islands: Implications for Shallow Groundwater Nutrient and Ion Concentrations		Darren Rumbold Source Identification of Florida Bay's Methylmercury Problem: Mainland Runoff versus Atmospheric Deposition and In situ Production	Erik Stabenau Improving Estuarine Conditions in Biscayne Bay by Optimizing the Timing and Distribution of Freshwater Discharge
4:00-4:20	Todd Hopkins The Florida Landscape Conservation Cooperative – a Strategic, Partnership-driven Conservation Program for Florida's Future Generations	Paul Wetzel OPEN DISCUSSION ON: Key Science Management Questions related to SERES project	Jay Sah Understory Vegetation Composition and Biomass on the Tree Islands in the Loxahatchee Impoundment Landscape Assessment (LILA) Experimental Site	David Bauman Creating the Picayune Strand Restoration Project Environmental Monitoring Plan	Larry Fink A Trophodynamic Model of Methylmercury Bioaccumulation following a First-Flush Anomaly in a Constructed Wetland in South Florida: Part 1. Model Development Using Structural Sensitivity Analysis	Sarah Bellmund Salinity Variation and Groundwater Flows to Biscayne National Park and Southern Biscayne Bay
4:20-4:40	John Meeder Accelerated Near Future Sea Level Rise (SLR), a Given, Based upon the Florida Stratigraphic Record, Implications for GEER	Christopher McVoy Integrating Everglades Science for Restoration Planning	Amartya Saha Water Utilization in Woody Plant Communities in the Everglades Indicates that Hardwood Hammocks are the Most Hydrologically-Sensitive		Young Cai Fate of Seasonally Deposited Mercury in the Florida Everglades	Henry Briceno What's so Special about Biscayne Bay Waters? An Assessment of their Properties and Trends as a Contribution to Nutrient Criteria Development
4:40-5:00	James Murray Using Floral and Faunal Assemblages and Observed Habitat Associations to Monitor Sea Level Rise	Christa Zweig The Semiglades and Beyond: Incorporating Novelty Into Restoration	Xin Wang Using Stable Isotopes and Remote Sensing to Study Nutrient and Water Relations in the Everglades Tree Islands	David Bauman Current Status and Future of the Picayune Strand Restoration Project	David Krabbenhoft Influence of Canal Water Releases on Distribution of Mercury, Methylmercury, Sulfate and Dissolved Organic Carbon in Everglades National Park	William Nuttle The Influence of Watershed Inputs on Salinity and Water Quality in Biscayne Bay
5:00	EVENING ON OWN					

THURS	THURSDAY, JULY 15, 2010					
7:30-5:30	Conference Registration Open					
7:30-8:30	MORNING REFRESHMENTS					
8:30-10:00	<p align="center">PLENARY SESSION: Greater Everglades Ecosystem Restoration — “Hot Topics”</p> <p align="center"><i>Climate Change & Sea Level Rise – Paul Souza, Field Supervisor, South Florida Ecological Services, US Fish and Wildlife Service, Vero Beach, FL</i></p> <p align="center"><i>Deepwater Horizon/BP Oil Spill...The Latest State of Play – Erik Stabenau, National Park Service, Homestead, FL</i></p>					
10:00-10:30	AM BREAK					
10:30-noon	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Climate Change, Sea Level & Natural Hazards Part 4: Biological Systems	Everglades Science in Support of Restoration – What Do Decision Makers Need? Part 2	Tree Islands Part 4: Management of a Changing Landscape	Lake Okeechobee Restoration: Part 1	Water Quality and Gradients Across the Everglades: Part 3	Biscayne Bay Physical and Ecological Processes: Part 2
MODERATOR	Leonard Pearlstine	Tom Van Lent	Sharon Ewe	Jim Vearil	Rob Daoust	Sarah Bellmund
10:30-10:40	Introduction and Overview					
10:40-11:00	<p>Danielle Ogurcak Persisting Effects of Hurricane Wilma Storm Surge in Pine Rockland Habitat on Big Pine Key, FL</p>	<p>Louis Gross Florida Panther Recovery: Evidence, Models and Implications for Public Policy</p>	<p>Martha Nungesser Hydrologic Factors Related to the Presence of <i>Lygodium microphyllum</i> (Old World Climbing Fern) in Water Conservation Area 3 of the Everglades, South Florida</p>	<p>Lewis Hornung The History of Lake Okeechobee Restoration Efforts and Where We Are Today</p>	<p>Peter Kalla Mercury in Mosquitofish of the Greater Everglades: Changes in Biochemistry and Trophic Complexity Over Time and Space - REMAP 1995 - 2005</p>	<p>Melinda Lohmann BISECT: A Hydrologic Model of South Florida for Evaluating Ecosystem Restoration and Sea Level Rise</p>
11:00-11:20	<p>Joseph Smoak Sediment Accumulation in Everglades National Park Mangrove Forest</p>	<p>Jon Cline Application of an Individual-Based Model of Roseate Spoonbills to Ecosystem Restoration</p>	<p>Miguel Fernandes The Influence of Tree Island Size and Hydroperiods on Two Common Everglades' Rodents: <i>Sigmodon hispidus</i> and <i>Oryzomys palustris</i></p>	<p>Del Bottcher Legacy P and its Impact on Restoration Efforts</p>	<p>Jud Harvey Sediment and Particulate Phosphorus Transport in a Free Flowing Everglades</p>	<p>Peter Swart A Nitrogen Isotopic Study of Greater Biscayne Bay: Implication for Sources of Nutrients</p>
11:20-11:40	<p>Michael Parenti Hurricane Effects on Mangrove NDVI and EVI values estimated from SPOT and MODIS Imagery</p>	<p>Steve Friedman Modeling Vegetation Succession Dynamics to Evaluate Landscape-level Responses to Everglades Restoration</p>	<p>Charles Coultas Bone Phosphorus Dominates Fixed Tree Island Soil in the Everglades WCA3</p>	<p>Anwar Khan Lake Okeechobee Sediment Management</p>	<p>Andrew Bramburger A Preliminary Examination of the Influence of Canal Inputs on Ambient Surface Water Chemistry at the Tamiami Pilot Swales Sites</p>	<p>Diego Lirman Status and Trends of Nearshore SAV Communities of Biscayne Bay: A Multi-Scale Approach</p>
11:40-noon	<p>Brad Stith Manatees, Restoration, and Severe Winters: How Haloclines Shelter Manatees From Cold in Southwest Florida</p>	<p>Craig Conzelmann EverVIEW: Bringing Ecological Modeling, NetCDF Data Manipulation and Visualization to the Natural Resource Manager's Desktop</p>	<p>John Volin Trophic Focusing of Nutrients on Tree Islands in the Florida Everglades</p>	<p>Clell Ford Management Issues And Long-Term Phosphorus Trends For Lake Istokpoga And Its Watershed – Are We Moving In The Right Direction For Lake Okeechobee?</p>	<p>Guangliang Liu Mass Distribution of Mercury Among Ecosystem Components in the Florida Everglades</p>	<p>Interactive Discussion</p>
noon-1:30	LUNCH PROVIDED IN PRE-FUNCTION AREA					

THURSDAY, JULY 15, 2010 (continued)						
1:30-3:00	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Climate Change, Sea Level & Natural Hazards Part 5: The Built Environment	Linking Science to Decision-Making as Managers Are Listening: Part 1	CO2 Uptake and Carbon Dynamics of Wetland Communities: Part 1	Lake Okeechobee Restoration: Part 2	Predicting Past and Future Impacts of Sea Level Rise on Coastal Habitats and Species: Integrating Hydrological and Ecological Models	Biscayne Bay Physical and Ecological Processes: Part 3
MODERATOR	Karl Havens	Matt Harwell	Vic Engel	Bob Pace	Catherine Langtimm	Patrick Pitts
1:30-1:40	Introduction and Overview					
1:40-2:00	Ricardo Alvarez Synergy under Climate Change: The Coupled Everglades Urban Coastal Florida System	Gretchen Ehlinger and Bob Doren Overview of System-wide Science Efforts	Len Scinto Decomposition of Flocculent Detrital Organic Matter (Floc) in Everglades Ridge and Slough	Eric Bush The Federal Civil Works Program and the Restoration of Lake Okeechobee	Eric Swain Predicting Coastal Landscape Changes by Modeling Long-Timescale Impacts of Hydrodynamic Fluctuations on Salinity and Hydroperiods	Ligia Collado-Vides The Development of a Macroalgal Indicator of Salinity Patterns in Biscayne Bay
2:00-2:20	Lisa Beever Selecting Environmental Indicators of Climate Change	Stephanie Johnson NRC Perspective on Science for CERP Decision Making	Oliva Pisani Photo-Induced Generation of Dissolved Organic Matter (DOM) from Floc in the Shark River Slough of the Florida Coastal Everglades (FCE)	Stephen Friant Chemical Treatment of Phosphorus in Lake Okeechobee Sediments as a Management Option to Reduce Bioavailability	Dennis Krohn Inferring Effects of Historic Extreme Storms in the Everglades from Hindcast Models	Joan Browder Epifauna Community of South Biscayne Bay in Relation to Salinity
2:20-2:40	Steve Traxler and Michael Flaxman Stakeholder Development of Alternative Futures and Attractiveness Models for Resource Agency Planning in South Florida	John Ogden Perspectives on the Role and Effectiveness of Science in Decision-making.	Rudolf Jaffe Characterizing the Dynamics of Dissolved Organic Matter (DOM) in the Greater Everglades Ecosystem: Assessment of Spatial and Temporal Variability and Reactivity	James Jawitz Temporal Dynamics in Phosphorus Export from the Okeechobee Basin: Explanations, Predictions, and Implications	Donald DeAngelis Effects of Sea Level Rise (SLR) and Storm Surge Events on Coastal Vegetation Communities	Joseph Serafy Mangrove Shoreline Fishes of Biscayne Bay and Adjacent Waters
2:40-3:00	Climate Change Session Overview & Discussion on Application to Policy	Panel Discussion Structured Q & A	Xavier Comas Multi-Scale Characterization of Biogenic Gas Dynamics in Peat Soils Using Hydrogeophysical Methods: Implications for Biogenic Gas Distribution and Carbon Fluxes	Erik Powers Revisiting Ecological Integrity on the Kissimmee River: Are We There Yet?	Thomas Smith Vectors of Change in the Coastal Everglades: Sea Level Rise, Storms, Freezes and Fire	Luke Gommermann Seagrasses and Subaqueous Soils of Lake Surprise, Florida
3:00-3:30	PM BREAK					

THUR	THURSDAY, JULY 15, 2010 (continued)					
3:30-5:00	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Integrating the Impact of Climate Change into Policy, Planning and Implementation of Everglades Restoration	Linking Science to Decision-Making as Managers are Listening: Part 2	CO2 Uptake and Carbon Dynamics of Everglades Wetland Communities: Part 2	Hydrologic Scaling	Predicting Past and Future Impacts of Sea Level Rise on Coastal Habitats and Species - Integrating Hydrological and Ecological Models	Application of Adaptive Management for Everglades Restoration
MODERATOR	G. Ronnie Best	Matt Harwell	Vic Engel	Jed Redwine	Eric Swain	Dave Tipple
3:30-3:40	Introduction and Overview					
3:40-4:00	<p>Moderated Panel Discussion: The focus will be on addressing Everglades' restoration targets, research needs, modeling needs, and resource-related policy and management issues that need further consideration in the context of climate change.</p> <p>Len Berry Michael Flaxman Karl Havens Glenn Landers Leonard Pearlstine</p>	<p>Greg May Using System-wide Science for Restoration Planning</p>	<p>Danielle Watts Hydrologic Controls on Ecosystem Carbon Exchange in Ridge-Slough Landscape</p>	<p>Rene Price Groundwater/Surface Water Interactions in Taylor Slough - Everglades National Park</p>	<p>Kiren Bahm Everglades National Park and Sea-Level Rise: Using the TIME Model to Predict Salinity and Hydroperiods</p>	<p>Andy LoSchiavo CERP Adaptive Management Integration</p>
4:00-4:20		<p>Paul Souza Using Science to Manage Water in WCA-3A to Benefit the Everglade Snail Kite</p>	<p>Jay Munyon Contrasting Ecosystem Productivity Between and Long- and Short-hydroperiod Marsh in the Florida Everglades</p>	<p>Zhixiao Xie Revision and Assessment of Water-Surface Modeling of the Everglades Depth Estimation Network (EDEN)</p>	<p>Tim Green Using a Spatially Explicit Crocodile Population Model to Predict Potential Impacts of Sea Level Rise and Everglades Restoration Alternatives</p>	<p>Laura Mahoney Adaptive Management Application at the Project Level</p>
4:20-4:40		<p>Barry Heimlich Counteracting the Effects of Sea Level Rise on Southeast Florida's Water Resources</p>	<p>Edward Castaneda Above and Below Ground Biomass and Net Primary Productivity Landscape Patterns of Mangrove Forests in the Florida Coastal Everglades</p>	<p>Quan Dong Linear Man-made Structures, Hydroscape Domestication, and Ecological Consequences</p>	<p>Jeremy Decker Hydrodynamic Modeling to Assess Factors Affecting Thermal Properties of a Passive Thermal Refuge in Southwest Florida</p>	<p>Steve Traxler Linking Learning with Future Decision Making</p>
4:40-5:00	<p>Panel Discussion Structured Q & A</p>	<p>Tiffany Troxler Mangrove Forest Soil Respiration: Short- and Long-term Responses to Hurricane Disturbance</p>	<p>Jing-Yea Yang Three Dimensional Computational Fluid Dynamics (CFD) Flow Modeling for Culvert in South Florida</p>	<p>Michael Ross Contemplating the Fate of Fresh-water Dependent Florida Keys Ecosystems: What to Do about Species Threatened with Extinction due to Sea Level Rise</p>	<p>Agnes McLean Resolution of Competing Objectives</p>	
5:00-7:00	POSTER SESSION II AND NETWORKING RECEPTION					

FRI	FRIDAY, JULY 16, 2010					
7:30-noon	Conference Registration Open					
7:30-8:30	MORNING REFRESHMENTS					
8:30-10:00	Concurrent Sessions					
	Royal Palm IV-V	Royal Palm I-II	Royal Palm VI-VII	Acacia 1-3	Royal Palm III	Royal Palm VIII
	Unifying Concepts, Principles and Practices in Restoration Planning	Sampling Tools and Technologies to Support Restoration Science	CO2 Uptake and Carbon Dynamics of Everglades Wetland Communities: Part 3	Remote Sensing of Everglades Ecohydrology	Human Dimension Aspects of Ecosystem Restoration	Ecosystem Services and Ecosystem Indicators
MODERATOR	Larry Fink	Jennifer Stiner	Vic Engel	Shimon Wdowinski	G. Ronnie Best	Eric Powers
8:30-8:40	Introduction and Overview					
8:40-9:00	Francine Matson Unifying Concepts for Environmental Restoration Planning: Quality Assurance & Quality Control	Kevin Cunningham Integration of Ichnology, Cyclostratigraphy, Hydraulic Well Testing, and Lattice Boltzmann Methods for Carbon Aquifer	Jose Fuentes Controls on Mangrove Carbon Cycling in Western Florida Everglades	Shimon Wdowinski Space-based High-Resolution, Multi-temporal Monitoring of Wetland Water Levels: Case Study of WCA1 in the Northern Everglades	Jim Barnes Compliance with the Everglades Forever Act: A Local Government Perspective	Alicia Dixon Anuran Use of Natural Wetlands, Created Pools, and Existing Canals Within Picayune Strand Restoration Project
9:00-9:20	William Nuttle Integrating Human Dimensions into Ecosystem Management of the Florida Keys and Dry Tortugas: Preliminary Findings from the MARES Project	Daniel Slone Manatee Telemetry Data Leads to Discovery and Delineation of Seagrass Beds in the Ten Thousand Islands	Jessica Schedlbauer Ecosystem CO2 Exchange in Short- and Long-Hydroperiod Everglades Marshes	Daniel Gann Evaluating Remote Sensing Methods to Differentiate Plant Communities in Florida's Everglades	Paul Stevenson CERP Master Recreation Plan - A Living Document Overview	Peggy VanArman Effects of Hydrology on Growth and Survival of Juvenile <i>Procambarus alleni</i> and <i>Procambarus fallax</i>
9:20-9:40	Dianna Hogan Regional Ecological Effects of Local Scale Land Use Change	Kristen Hart Use of South Florida's Protected Areas by Threatened and Endangered Marine Turtles	Barclay Shoemaker Carbon Cycling in a Big Cypress National Preserve Marsh	Jordan Barr Mangrove Ecosystem Carbon Budgets Using Eddy Covariance and Satellite-based Products	Jon Ahlschwede Public Recreation Facilities and Ecosystem Restoration; Living in Harmony	Nathan Dorn Wetland Drying Has Substrate and Species-Dependent Effects on Crayfish (<i>Procambarus spp.</i>) Populations
9:40-10:00	Larry Fink Bioenergetics as a Unifying Concept for Environmental Restoration Planning	Paul Conrads Development of Inferential Sensors for Real-time Quality Control of Water-level Data for the EDEN Network	Session Overview, Discussion & Wrap-up	John Jones Augmenting Everglades Fire History Data through Satellite Remote Sensing	Stan Bronson Linking the Everglades and the Netherlands - DOI Florida-Holland Team Report	Brent Bellinger Microbial Community Responses to Active Management of a Eutrophic Area of the Everglades Determined through Lipid Biomarkers
10:00-10:30	AM BREAK AND SESSION II POSTER REMOVAL (Posters must be removed from display boards no later than noon as the boards will be removed by the exhibit services company.)					
10:30-noon	CLOSING PLENARY SESSION					
noon	CONFERENCE CONCLUDES					