



Welcome to the First National Conference on
Ecosystem Restoration (NCER)

SUN 12/5/04

1:00-5:00	Exhibitors and Vendors Set-up Displays (Conference/Exhibition Hall)
4:00-5:00	Session I Poster Presenters Set-Up Displays (Conference/Exhibition Hall)
5:00-7:30	REGISTRATION OPEN TO CONFERENCE ATTENDEES (Great Hall Assembly/Lower Level)
5:30-7:30	Early Bird Networking Social in Poster Display Area (Conference/Exhibition Hall)

MON 12/6/04

7:00-5:00	REGISTRATION OPEN TO CONFERENCE ATTENDEES (Great Hall Assembly/Lower Level)
7:00-1:00	Exhibitors, Vendors and SESSION 1 Poster Presenters Set-up Displays (Conference/Exhibition Hall)
1:00-5:00	OPENING PLENARY SESSION (Great Hall)
1:00-1:20	LTG Carl Strock , Chief of Engineers, US Army Corps of Engineers – and – Dr. Charles Groat , Director, US Geological Survey – Welcome and Opening Remarks
1:20-1:50	Ms. Colleen M. Castille , Secretary, Florida Department of Environmental Protection – Welcome to the State of Florida and Florida’s Initiatives on Ecosystem Restoration
1:50-2:20	LTG Carl Strock , Chief of Engineers, US Army Corps of Engineers – Corps of Engineers and Ecosystem Restoration
2:20-2:50	Dr. Charles Groat , Director, US Geological Survey – Science for Ecosystem Restoration
2:50-3:20	BREAK IN POSTER & EXHIBIT DISPLAY AREA
3:20-3:30	Dr. G. Ronnie Best , NCER Chair, US Geological Survey and Mr. Daniel J. Hayes , NCER Co-Chair, US Army Corps of Engineers – Conference Overview
3:30-3:50	Dr. Donald Boesch , President, University of Maryland Center for Environmental Science – Systems Approach to Ecosystem Restoration
3:50-4:10	Mr. Richard A. Pettigrew , Former Chair of Governor’s Commission on South Florida Ecosystem Restoration – Consensus Building Among Stakeholders
4:10-4:30	Mr. Tom Horton , Baltimore Sun – The Challenge of Communicating About Ecosystem Restoration: It’s a Two-Way Process
4:30-4:50	Dr. William L. Graf , Foundation University Professor and Professor of Geography, University of South Carolina, Chair of the NAS/NRC Committee on Threatened and Endangered Species in the Platte River Basin and member of the Committee on Independent Scientific Review of Everglades Restoration Progress — Beauty and the Beast: External Review of Restoration Science
4:50-5:00	Closing Comments and Plenary Session Adjourns
5:00-7:00	WELCOME RECEPTION (Poolside)

TUES 12/7/04

7:30-8:30	MORNING REFRESHMENTS IN POSTER & EXHIBIT DISPLAY AREA
8:30-10:20	Plenary Session – National Priorities/Planning Restoration (Great Hall)
8:30-8:40	Plenary Introduction – Don Boesch , Moderator
8:40-9:00	Margaret Palmer – The State of River Restoration in the United States: Data to Inform Prioritization?
9:00-9:20	Denise Reed – The Coast at 2100: Prioritizing Ecosystem Restoration Needs
9:20-9:40	Fred Caver – Concept to Program
9:40-10:00	COL Carpenter and Dennis Duke – The Challenge of Implementation
10:00-10:20	*Discussion
10:20-10:40	BREAK IN POSTER & EXHIBIT DISPLAY AREA

TUE 12/7/04	CONCURRENT SESSIONS				
10:40-12:15	SESSION 1 Planning Restoration: Defining Success and Setting Objectives I	SESSION 2 Planning Restoration: The Critical Role of Science	SESSION 3 Effective Science Communication: Environmental Reporting PANEL DISCUSSION	SESSION 4 National Priorities: Case Studies	SESSION 5 Environmental Chemistry and Contaminants
10:40-10:45	Great Hall North –Session Introduction– Joseph DePinto, Moderator	Great Hall Center –Session Introduction– G. Ronnie Best, Moderator	Great Hall West –Session Introduction– Nanciann Regalado, Moderator	Great Hall East –Session Introduction– Derek Busby, Moderator	Cloister (Upper Level) –Session Introduction– Greg Allen, Moderator
10:45-11:00	John Ogden Defining Success and Setting Objectives: the Everglades Case Study	Frank Mazzotti The Role of Science in Ecosystem Restoration and Management: Foundation or Failure	<i>Scientists:</i> Nick Aumen Jack Gentile Beverley Getzen Margaret Palmer <i>Journalists:</i> Jeff Burnside Tom Horton Bob King Curtis Morgan Martha Musgrove <i>Session will be an interactive discussion between scientists and media personnel.</i>	Kenneth Barr Upper Mississippi River Navigation Study: Ecosystem Restoration as a Project Purpose	David Krabbenhoft Mercury Contamination of the Florida Everglades: A Convergence of External Forces and Natural Ecosystem Sensitivity
11:00-11:15	Kenneth Tiffan If You Build It, Will They Come? - Use of Paradigms in Justifying Restoration Projects	Ellis Clairain Science and Technology in Support of the Louisiana Coastal Area Ecosystem Restoration Plan		Roger Perk The Upper Mississippi River System Environmental Management Program	William Orem Sulfur Contamination in the Florida Everglades: Where Does it Come From, What is Its Extent, What Are Its Impacts, and What Can We do About it?
11:15-11:30	Ann Swanson Chesapeake Bay: Restoring the Nation's Largest Estuary	Reed Noss Integrating Conservation Biology and Restoration Ecology for the Long-term Integrity of Southwestern Ponderosa Pine Landscapes	PANEL DISCUSSION CONTINUES	Zachary Hymanson Examining the Effects of the Environmental Water Account: A Novel Approach to Species Restoration or the Price we Pay for Peace?	George Aiken Mercury and Dissolved Organic Matter in the Florida Everglades
11:30-11:45	Joseph DePinto Eutrophication in the Great Lakes: The Path to Restoration	Thomas Armstrong The Effective Application of Science to Management and Political Decision- making in Ecosystem Restoration Efforts	PANEL DISCUSSION CONTINUES	Edward Mills Large Lake Rehabilitation: Lessons from the Lake Ontario Ecosystem	Gary Rand Ecological Risk Assessment of Contaminants in Sediment from South Florida Aquatic Ecosystems
11:45-12:00	Angela Sowers Restoration of Island Habitat through the Beneficial Use of Dredged Material: A Community Approach	Hilary Swain The Reserve: Planning a Major New Restoration Site at Archbold Biological Station, FL	PANEL DISCUSSION CONTINUES	Josephine Axt Recent Developments in Marine Restoration: National Policy, Law and Science	Elly Best Quantifying the Role of Microbes and Plants in Methylmercury Cycling in Coastal Saltmarshes as Basis for Wetland Restoration and Management in the Hamilton Army Airfield on San Pablo Bay
12:00-12:15	Angela Sowers Poplar Island Environmental Restoration Project, Talbot County Maryland	Ellen Cummings Ecosystem Performance Measures: Moving Beyond Dollars per Acre	PANEL DISCUSSION CONTINUES		Eugene Shinn Atmospheric Deposition of African Dust in the Everglades and Florida Bay Ecosystem
12:15-1:30	BOXED LUNCH PROVIDED				

TUE 12/7/04	CONCURRENT SESSIONS				
1:30-3:05	SESSION 1 Planning Restoration Methods and Tools	SESSION 2 National Priorities: General Overview	SESSION 3 Effective Science Communication: Role in Ecological Restoration I	SESSION 4 Planning Restoration: Use of Scientific Models	SESSION 5 Science: Water Quality
	Great Hall North	Great Hall Center	Great Hall West	Great Hall East	Cloister (Upper Level)
1:30-1:35	–Session Introduction– Joseph DePinto , Moderator	–Session Introduction– Bill Hinsley , Moderator	–Session Introduction– Russ Mader , Moderator	–Session Introduction– Cheryl Buckingham , Moderator	–Session Introduction– Barry Rosen , Moderator
1:35-1:50	Kim Gavigan On the Edge: Restoration Planning in the Southwestern Desert	Beverley Getzen Linking Ecosystem Restoration with Watershed Management	William Dennison The Role of Effective Science Communication in Restoration Ecology in Chesapeake Bay	Dominic Kempson Non-Traditional Calibration of Hydrologic Modeling at Lockport Prairie, Illinois using Biological Indicators as a Calibration Tool	Scott Phillips Factors Affecting Nutrient Delivery to Chesapeake Bay: Implications for Restoring Water-Quality Conditions in the Nation’s Largest Estuary
1:50-2:05	Joe Redican The Master Implementation Sequencing Plan and its use as a Planning Tool for Environmental Restoration	Richard Cole The Need for Improved Program-level Planning to Achieve Sustainable Outcomes from Ecosystem Restoration Projects Planned by the U. S. Army Corps of Engineers	Troy Constance The Louisiana Coastal Area (LCA) Study: History and Future	John Hickey The Ecosystem Functions Model: A Tool for Restoration Planning	Richard Batiuk Defining Restored Water Quality and Allocating Caps on Nutrient and Sediment Loads: Chesapeake Bay Lessons Learned
2:05-2:20	Mike Donahue A Policy Perspective on Large Scale Ecosystem Restoration Planning: A Great Lakes Case Study	Joy Mulinex Large-Scale Ecosystem Restoration Initiatives and the U.S. Federal Policy Process	Frances Flanigan Science Communication and Outreach in the Chesapeake Bay Watershed	Leonardo Frid Guiding Fire and Grazing Restoration in Grasslands National Park of Canada with a Landscape Level Simulation Model	Mark Clark Hydrologic Restoration of Isolated Wetlands in the Okeechobee Watershed: An Integrated Approach to Reduce Phosphorus Loads to the Lake
2:20-2:35	Agnes McLean The Initial CERP Update: A Collaborative Planning Initiative in Applying Adaptive Management Principles to the Comprehensive Everglades Restoration Plan	Ellen Cummings The Estuary Restoration Act - Past, Present and Future	Stan Bronson Establishing Public-Private Partnerships for Effective Communications in Ecosystem Restoration Initiatives	Bruce Williams Hydrodynamic Simulation for a Mudflat Dominated Coastal Lagoon Restoration Project	Molly Wood Assessing Restoration Efforts in the Lake Okeechobee Watershed Through a Nutrient Load Monitoring Program
2:35-2:50	Elizabeth Crisfield Who Gets the Water? Identifying Water for Restoration of the Everglades and Other Purposes: Policy Issues and Technical Procedures	Marti McGuire The National Estuaries Restoration Inventory (NERI): A Tool for Sharing Information and Tracking Our Progress	Carl Hershner Effective and Ineffective Science Communication in the Chesapeake Bay Program	Luis Cadavid Recent Enhancements to the South Florida Water Management Model (SFWMM)	Greg Noe Particulate Phosphorus Transport in the Everglades Wetland Landscape
2:50-3:05	Richard Cole A Proposed Biodiversity-based National Objective for Formulating and Evaluating Ecosystem Restoration Projects Sponsored by the U. S. Army Corps of Engineers	Discussion	R. Michael Hanley The White River Ecosystem Conservation and Restoration Project: An NGO/Federal Partnership	Kelly Burks-Copes The Tres Rios Del Norte Project: Streamlining the Functional Assessment Process to Meet the Ecosystem Restoration Challenge	Paul McCormick Understanding Patterns of Canal-Water Intrusion to Predict the Effects of Everglades Restoration on the A.R.M. Loxahatchee National Wildlife Refuge
3:05-3:25	BREAK IN POSTER & EXHIBIT DISPLAY AREA				

TUE 12/7/04	CONCURRENT SESSIONS				
3:25-5:15	SESSION 1 Planning Restoration: Use of Conceptual and Quantitative Models	SESSION 2 Adaptive Management: Monitoring Plan Design	SESSION 3 Effective Science Communication: Role in Ecological Restoration II	SESSION 4 Planning Restoration: Use of Scientific Models	SESSION 5 Integrating Conservation, Mitigation and Restoration
	Great Hall North	Great Hall Center	Great Hall West	Great Hall East	Cloister (Upper Level)
3:25-3:30	<i>–Session Introduction–</i> Fred Sklar, Moderator	<i>–Session Introduction–</i> Doug Robinson, Moderator	<i>–Session Introduction–</i> JoAnn Hyres, Moderator	<i>–Session Introduction–</i> Gary Hardesty, Moderator	<i>–Session Introduction–</i> Dennis Barnett, Moderator
3:30-3:45	Jim Henderson Ecosystem Restoration and Conceptual Models Making Sense of Complexity and Figuring Out What to do First	Elmar Kurzbach Development of Monitoring and Assessment Plan (MAP) for Everglades Restoration	Clifford S. Duke Ecological Science and Sustainability for a Crowded Planet: A 21st Century Vision and Action Plan	James Peterson Effects of Hydrologic Stressors on Wading Bird Foraging Distributions in the Everglades: Modeling for Adaptive Management in Restoration	Mark McKevitt U.S. Army Corps of Engineers Ecosystem Restoration Title I Project Authorizations, 1990 – 2000, Costs and Benefits
3:45-4:00	Fred Sklar The Design of Landscape Models for Everglades Restoration	Stephen Preston Water-Quality and Living-Resources Monitoring to Support Ecological Restoration Efforts in the Chesapeake Bay and Its Watershed	Jenni Hiscock Effective Communication between Science and Project	Lee Weishar The Relationship Between Hydrodynamic Numerical Models and Adaptive Management in Marsh Restoration Design	David Heller A Decade of Change: Implementation of an Aquatic Restoration Strategy for Federal Lands of the Pacific Northwest
4:00-4:15	Jenneke Visser A Conceptual Model to Predict Coastal Wetland Vegetation Composition and Production under Different Management Scenarios	Joel Trexler Moving from Retrospective to Prospective Monitoring: The Critical Role of Model Development in Designing Efficient Monitoring	David Szymanski Telling Stories: Using Narrative to Communicate Science	Christian Langavin Hydrodynamic Modeling Efforts of the U.S. Geological Survey in Support of Everglades Restoration	Jason Goldberg Coming Together for Conservation: The National Fish Habitat Initiative
4:15-4:30	Lauren Hastings Using Conceptual Models to Develop an Integrated Regional Restoration Plan: The Sacramento-San Joaquin Delta	Jennifer Jorge and Charles Hall Optimization of Water Quality Monitoring to Achieve Least-cost, Resource-based Objectives	Piers Chapman Innovative, Integrated Scientific and Technical Research Programs in the Central Gulf Region	Aaron Byrd Advances to the Model Gridded Surface Subsurface Hydrologic Analysis for Improved Ecosystem Modeling	Glenn Covington Missouri River Fish and Wildlife Mitigation, Past, Present and Future
4:30-4:45	Kim Jacobs Conceptual Ecological Models as Restoration Planning Tools for South Florida Restoration	Tom Philippi Multistage Sampling for Long-term Large-scale Multi-response Ecosystem Monitoring: CERP Trophic Monitoring as a Case Study	Rhonda Reed The Adaptive Management Forum: A Collaborative Review to Integrate Science and Policy	Emad Habib Uncertainty Analysis of Selected Hydrodynamic and Ecological Models in the Louisiana Coastal Area Ecosystem Restoration Plan	Jennifer Macal The Federal Symposium on Coastal Habitat Restoration (FSCHR) Initial Reactions and Next Steps
4:45-5:00	Brenda Mills Application of Conceptual Ecological Models to Everglades Restoration	April Huffman Management Issues in Long-term Large-scale Multi-response Ecosystem Monitoring: Comprehensive Everglades Restoration Program	David Nemazie Lessons Learned in The Use of Community Based Stakeholders to Determine Strategies for Reducing Nutrient Loads to the Choptank River and Chesapeake Bay	Discussion	Tom Pratt & Bill Cleckley Floridan Aquifer Recharge Area Acquisition as a Means to Secure Water Supply, Restore Native Habitat and Provide Public Recreation
5:00-5:15	Raymond Kurz Feasibility Study for the Restoration of Oxbows and Wetlands Along the North Fork St. Lucie River, Florida	Laurence Fernberg Linking Restoration and Success at the Water's Edge	Mitch Flinchum Wetland Enhancement Decision-Making Tools & Training for Landowners and Technical Service Providers		
5:15-7:00	POSTER SESSION I & RECEPTION IN POSTER & EXHIBIT DISPLAY AREA				

WED 12/8/04					
7:30-8:30	MORNING REFRESHMENTS IN POSTER & EXHIBIT DISPLAY AREA				
8:30-8:40	PLENARY SESSION: Adaptive Management (The Great Hall) Introduction: Barry Gold , Moderator				
8:40-9:00	William Leary : Adaptive Management as a National Priority in Ecosystem Restoration				
9:00-9:20	Stu Appelbaum : Adaptive Management Success in Restoring the South Florida Ecosystem				
9:20-9:40	Denny Fenn : An Overview of the Glen Canyon Adaptive Management Plan: An Experiment in Collaborative, Science-based Ecosystem Restoration				
9:40-10:00	A.J. McLeod : Building Adaptive Capacity in the River Murray, Murray-Darling Basin, Australia				
10:00-10:20	*Discussion				
10:20-10:40	BREAK IN POSTER & EXHIBIT DISPLAY AREA				
WED 12/8/04					
CONCURRENT SESSIONS					
10:40-12:15	SESSION 1 Planning Restoration: Defining Success and Setting Objectives II	SESSION 2 Adaptive Management: Success Stories	SESSION 3 Effective Science Communication: Dueling Data	SESSION 4 Role of Modeling in Evaluating and Assessing Ecosystem Restoration	SESSION 5 Adaptive Management In Action
10:40-10:45	Great Hall North –Session Introduction– Jack Manno , Moderator	Great Hall Center –Session Introduction– Steve Light , Moderator	Great Hall West –Session Introduction– Lynette Cardoch , Moderator	Great Hall East –Session Introduction– Dave Apple , Moderator	Cloister (Upper Level) –Session Introduction– Lisa Smith , Moderator
10:45-11:00	Dan Castleberry Ecosystem Restoration in California’s Bay-Delta System: A Structured Approach in a Changing Environment	Charles Simenstad Promise and Follow-Through: Instituting Adaptive Management in Restoration of Puget Sound Nearshore Ecosystems	Matt Harwell How Do You Resolve Technical Disagreements in Ecosystem Restoration? Examples of Strategies From South Florida	Donald DeAngelis Synthesis of Across Trophic Level System Simulation (ATLSS) Program: Design, Application, & Evaluation of a Modeling Project for Restoration	S. Clayton Palmer Using “Surplus” Water to Meet Downstream Environmental Needs in Systems Constructed for Water and Power Benefits
11:00-11:15	Howard Ernst The Political Life of Environmental Goals: Lessons from the Chesapeake Bay	Kim Taylor Reflecting On Fish Screens: Using Modern Concepts of Organizational Learning to Examine Adaptive Management in CALFED	Romuald Lipcius Alternative Ecosystem States and the Likelihood of Restoration Success in Chesapeake Bay	Quan Dong Selection and Application of Ecological Models in Everglades Restoration	Robert Martinson Construction, Operation and Monitoring of a Delta Building Diversion Located in the Lower Mississippi River Active Delta Region at West Bay
11:15-11:30	Antisa Webb Lessons Learned from Assessing Ecosystem Restoration Studies Across the Nation	Richard Batiuk Forget All the Adaptive Management Theory: A Behind the Scenes Look at Science Synthesis for Management Application in Practice	Mary Doyle Everglades Restoration and Saving the Chesapeake Bay: Comparisons in the Management of Ecosystem Restoration Projects	Scott Duke-Sylvester Linking ATLSS models with SFWMM hydrology: the ATLSS High Resolution MultiDataset Topography (HMDT)	Richard Lathrop Restoration of a Wisconsin Seepage Lake by Hypolimnetic Withdrawal
11:30-11:45	Tim Beechie Process-based Principles for Restoring Dynamic Ecosystems	Bernice Smith Habitat Conservation Plan Implementation: Keeping Promises for Adaptive Management	Nancy Peterson Building Consensus around Contention – Florida Natural Resource Leadership Institute	Ehab Meselhe Use of Hydrologic Numerical Modeling for Ecological Restoration and Management: the Chenier Plain, Louisiana	Ronald Thom Restoration in a Changing World: Addressing Natural Variability in Tidal Marsh & Seagrass Restoration Project Planning & Performance Ass.
11:45-12:00	Steven Ritchie The Restoration Planning Process for the South San Francisco Bay Salt Ponds – Opportunities and Challenges: Year 2 of a 5-Year Effort	Noah Adams Three Dams and Three Different Solutions to Restoring Salmon Populations	Alfred Light Risk Communication in Community Participation: CERCLA’s Lessons for Everglades Restoration in South Florida	Gary Shenk Community Features of the Chesapeake Bay Program’s Phase 5 Watershed Model	J.D. Wikert Short and Long-Term Salmonid Habitat Restoration in California’s San Joaquin River Basin
12:00-12:15	Lynne Trulio Planning for Ecosystem Restoration: Science Integration for the South Bay Salt Pond Restoration Project	Kennedy Paynter Oyster Restoration in the Maryland Portion of Chesapeake Bay	David Hallac A Spatial & Temporal Comparison of Suitability Indices for use in Evaluating Hydrologic Restoration Alternatives for the Comprehensive Everglades Restoration Plan	Kevin Coulton The Use of Hydrodynamic Models for the Hydraulic and Geomorphic Design of Restoration Projects on the Skagit River, Washington State	Clinton Hittle Using an Integrated Hydrologic Monitoring Network as a Tool to Analyze Everglades Ecosystem Response during CERP Implementation
12:15-1:30	LUNCH ON OWN				

WED 12/8/04	CONCURRENT SESSIONS				
1:30-3:20	SESSION 1 Planning Restoration: Methods for Evaluation & Selection of Projects	SESSION 2 Adaptive Management: Framework for Learning	SESSION 3 Effective Science Communication: Integrating Technical Data	SESSION 4 Detecting Change: Species as Indicators of Change	SESSION 5 Science Synthesis and Scaling
	Great Hall North	Great Hall Center	Great Hall West	Great Hall East	Cloister (Upper Level)
1:30-1:35	<i>–Session Introduction–</i> Josephine Axt , Moderator	<i>–Session Introduction–</i> Tom St. Clair , Moderator	<i>–Session Introduction–</i> Dan Hayes , Moderator	<i>–Session Introduction–</i> John Brawley , Moderator	<i>–Session Introduction–</i> Rob Daoust , Moderator
1:35-1:50	Lawrence Skaggs Lessons Learned on Applying CE/ICA on the IRL-South Project	Laura Stroup “Getting the Structure Right”: Adaptive Management for the Everglades Restoration	Shawn Sculley Real-Time Water Management Operations in South Florida: The Role of Science	Peter Swart Freshwater Signals in Coral Skeletons	Paul DuBow Performance Measures, Ecosystem Benefits & Habitat Units: Evaluating Everglades Restoration Alternatives
1:50-2:05	Sarah Watts The Economics of Restoration: Using Cost-Effectiveness and Incremental Cost Analyses to Evaluate Restoration Alternatives on the Rahway River, New Jersey	John Scholz Adaptive Governance of Water Conflicts	Douglas Henderson Revolutionizing Interactive Access to Current Geospatial Data for Large-Scale Ecosystem Managers: An Example Using A Web Atlas	Jean Sellar Floristic Assessment As an Ecological Restoration Tool	Kenneth Rice The Role of the American Alligator in Measuring Ecosystem Change in the Everglades
2:05-2:20	Joy Muncy Cost Risk Assessment for Ecosystem Restoration Projects	Karl McArthur Adaptive Management: A Three Process Model Framework for Learning	Suzan Hughes Web Based Data Management: Collaborative Information Access for Environmental Projects	Eric Milbrandt Sediment Microbial Communities to Assess Restoration Success in Mangrove and Seagrass Habitats	Donald Herndon Comparing the Flooded-Area Frequency Distributions of Isolated Freshwater Wetlands: A Tool To Assess Wetland Health and Restoration Goals
2:20-2:35	Mark Kessinger Determining and Evaluating Costs and Benefits for an Ecosystem Restoration Project	Jana Newman Adaptive Management Applied to Treatment Wetlands Constructed to Remove Phosphorus from Agricultural Runoff in South Florida	Laura Brandt Assessing Effects of Everglades Restoration and Regional Water Management on the Arthur R. Marshall Loxahatchee National Wildlife Refuge	Angelikie Zafiris Tracking the Effects of Salt-Water Encroachment on South Florida Coastal Ecotones using Mollusks	Monica Folk Monitoring Landscape Response to Ecological Process Restoration at The Disney Wilderness Preserve in Central Florida
2:35-2:50	Scott Miner Formulation of a Multiple-Purpose Project for Hamilton City, California	Christopher Updike Is this Really Adaptive Management? A Comparative Review of “Adaptive Management” Programs across the USA and Canada	Emitt Witt The National Map: Use of the Strategic On-Line Defense Geography Repository for Ecosystem Restoration	Gary Milano Fish Assemblage and Vegetative Monitoring of Restored Mangrove Habitat in Southeast Florida	David Gilliam Coral Reef Ecosystem Restoration off Southeast Florida
2:50-3:05	Grace Johns Benefit-Cost Analysis to Develop the Lake Okeechobee Protection Plan	Steve Light NCER Best Practices for Adaptive Management: Discussion and Introduction to Best Practices Workshop	Andrew Warner Getting Ecological Knowledge into Decision Making	Don Schloesser Restoration of Sentinel Mayfly Nymphs, <i>Hexagenia</i> spp., in the Great Lakes: Result of Pollution Abatement	Discussion
3:05-3:20	Lewis Hornung The Use of Multi-objective Cost Effectiveness Analyses in Planning for the Lake Okeechobee Watershed Project	Discussion	Discussion	Rochelle Seitz Success of Ecosystem Restoration in Estuarine and Coastal Subtidal Habitats: Benthic Abundance and Diversity in Natural and Degraded Shorelines of Chesapeake Bay	Discussion
3:20-3:30	BREAK IN POSTER & EXHIBIT DISPLAY AREA				
3:30-5:00	Best Practices Workshop: Barbara L. Stinson , Meridian Institute, Dillon, CO, Facilitator (advance registration NOT required) Great Hall North				
3:30-5:00	AD HOC MEETINGS and INFORMAL NETWORKING POSTER & EXHIBIT HALL OPEN FOR VIEWING <i>(Check with the onsite Registration Staff if you want to organize a private meeting while at the conference. A limited number of meeting rooms are available on a first-come, first-served basis for this purpose.)</i>				

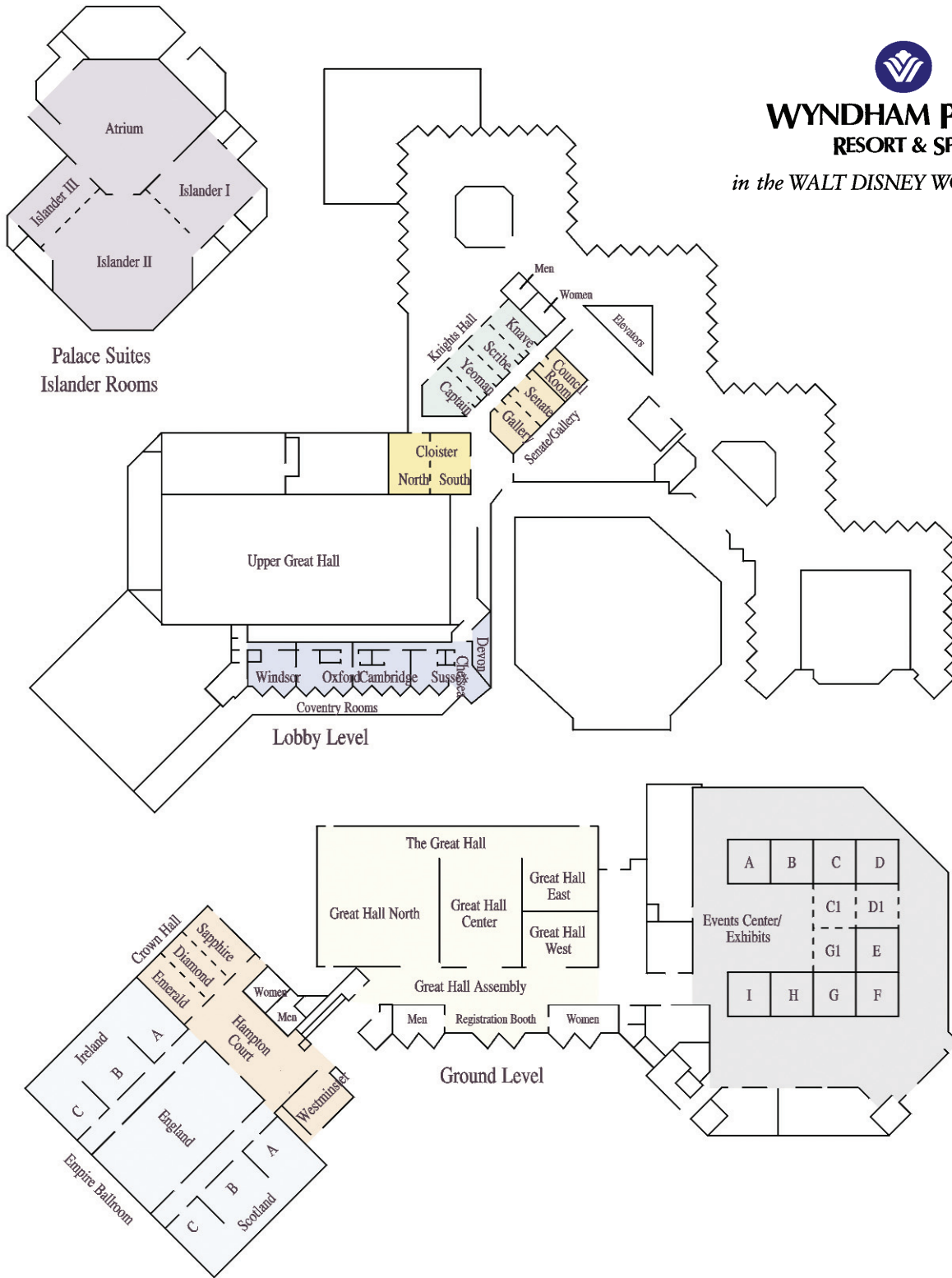
THUR 12/9/04					
7:30-8:30 MORNING REFRESHMENTS IN POSTER & EXHIBIT DISPLAY AREA					
CONCURRENT SESSIONS					
8:30-10:05	SESSION 1 Planning Restoration: Socio-Economic Considerations	SESSION 2 Adaptive Management: Barriers and Limitations	SESSION 3 Science Synthesis: Restoration Science	SESSION 4 Detecting Change: System Level Monitoring to Detect Change,	SESSION 5 Planning Restoration: Urban Ecosystem Restoration
	Great Hall North	Great Hall Center	Great Hall West	Great Hall East	Cloister (Upper Level)
8:30-8:35	<i>-Session Introduction-</i> Carlton Hunt, Moderator	<i>-Session Introduction-</i> Jim Vearil, Moderator	<i>-Session Introduction-</i> Julio Fanjul, Moderator	<i>-Session Introduction-</i> Naomi Duerr, Moderator	<i>-Session Introduction-</i> Joe Redican, Moderator
8:35-8:50	Gary Machlis The Human Ecosystem as an Organizing Concept in Ecosystem Restoration	Kent Loftin Kissimmee River Restoration— Overcoming Barriers and Seizing Opportunities	Walter Boynton Multi-Decadal Efforts to Restore the Patuxent River Estuary: A Synthesis of Research, Monitoring and Management Activities	George McCaskill Monitoring and Evaluation of Ecosystem Restoration on Longleaf Pine Flatwoods of the Gulf Coastal Plain	Deborah Roush Urban Stormwater Management and Ecological Restoration Is Not An Oxymoron
8:50-9:05	Fred Herling Alternative Approaches to Managing Everglades National Park: Working Cooperatively on New Ways to Protect its Natural and Cultural Resources and Provide Quality Park Experiences	Samuel Luoma Linking the Science Needs of Restoration with Policy: Examples from the CALFED Bay-Delta Program	Robert Deal The Role of Red Alder in Developing Multi-functional Forests in Mixed Hardwood-Conifer Stands of Southeast Alaska	John Stevely A Historical Perspective for Determining Changes in the Distribution of Oyster Habitats in Southwest Florida Using Archived Maps and Charts of Federal Agencies	Jason Kent Streamlining the Environmental Permitting Process – A Case Study in Urban Stream Restoration in Anchorage, Alaska
9:05-9:20	April Gromnicki Real Estate Considerations Associated with Large Scale Ecosystem Restoration Programs	Tim Brown Interagency Coordination – Managing Conflict	Robin Lewis Restoration of the Tampa Bay Ecosystem	Christopher Bernhardt Influence of 20th Century Water Management on Plant Communities in the Everglade's Marl Prairies	Kara Salazar The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration
9:20-9:35	William Coleman Achieving Multiple Values from Ecosystem Restoration	Kerri Bentkowski Beyond the Checkbook: A Model for Grantmakers Supporting Ecosystem Restoration	Mike Pellant Great Basin Restoration Initiative: Integrating Science and Restoration at the Landscape Level	Jeffrey Dismukes Restoration of Mangrove Forests Impacted by Mosquito Ditching in the Tampa Bay Area	Scott Stoddard Buried Beneath Downtown: Daylighting Salt Lake City's City Creek
9:35-9:50	Daniel Childers The Importance of Socio-ecological Research Linkages in the Rehabilitation of Human-dominated Landscapes: Examples from the Florida Everglades	Wayne Daltry Lee County (Florida) Master Mitigation Plan	Rey Stendell The Salton Sea Ecosystem: The Role of Science in Restoration	Keqi Zhang Airborne Laser Mapping of Mangroves on the Biscayne Bay Coast, Miami, Florida	John O'Meara Urban Lake Restoration - The Return of Newburgh Lake
9:50-10:05	Peter Leigh The Ecological Challenge, the Human Condition, and Community Based Restoration as an Instrument for its Cure	John Stevely Long Term Evaluation of Sponge Population Recovery Following a Widespread Mortality: Will We Ever Know When Recovery Has Occurred? Is Restoration Necessary?	Wm. Michael Turner Green River - Reversing Three Decades of Ecological and Hydrological Impacts, Green River, Kentucky	Nathan Dorn Monitoring Crayfish Populations in the Everglades: Evaluation of Methods and Long-Term Trends	John Meeder Historic Freshwater Flow to Biscayne Bay, Florida and the Role of Transverse Glades
10:05-10:25	BREAK IN POSTER & EXHIBIT DISPLAY AREA				

THUR 12/9/04	CONCURRENT SESSIONS				
10:25-12:15	SESSION 1 Planning Restoration: Stakeholder Participation	SESSION 2 Adaptive Management: Risk and Uncertainty	SESSION 3 Science Synthesis: A Birdseye View of Ecosystem Restoration	SESSION 4 Detecting Change: Managing Change	SESSION 5 Restoring Urban Ecosystems-The Hudson-Raritan Estuary
	Great Hall North	Great Hall Center	Great Hall West	Great Hall East	Cloister (Upper Level)
10:25-10:30	–Session Introduction– Chris Farrell , Moderator	–Session Introduction– Todd Hopkins , Moderator	–Session Introduction– Mark Musaus , Moderator	–Session Introduction– Susan Carsten , Moderator	–Session Introduction– Patricia Strayer , Moderator
10:30-10:45	Thomas Barthelmeh Stream and Wetland Restoration in Delaware	Stan Heller Jackson Hole Restoration Project	Lyle Maciejewski Creation of an Atlantic Ocean Shore Bird Nesting Island	Lance Jordan Implications of Natural Variation of Fish Assemblages to Coral-Reef Management	Roselle Henn Restoring Urban Ecosystems; The Overview
10:45-11:00	Stephen Williams Stream and Wetland Restoration in Delaware – the Sequel	Paul Kemp Quantifying and Reducing Uncertainty in Wetland Restoration Forecasts for the Mississippi River Deltaic Plain: The CLEAR Program	Wolf Mooij Projecting Future Population Dynamics of the Florida Snail Kite in Relation to Hydrology	Daniel Laughlin Restoring Species Composition with Managed Wildfire in Old-growth Ponderosa Pine Forests	Ronald Brattain Plan Formulation and Urban Ecosystem Restoration: Issues and Approaches-Hudson-Raritan Estuary, New York, New Jersey
11:00-11:15	Alicia Kirchner Hamilton City: Changing A System One Project at a Time	Susan Sylvester Dealing With Uncertainty in Realtime Water Management and Future Everglades Restoration Projects	Gary Williams Initial Responses of Wading Birds to Phase I of the Kissimmee River Restoration	Douglas Henderson New Monitoring Technology to Quantify Herbicide Efficacy on <i>Egeria densa</i> : Results from California Sacramento-San Joaquin Delta Sites	Ronald Brattain Plan Formulation and Urban Ecosystem Restoration: Issues and Approaches - Hudson-Raritan Estuary, Lower Passaic River, New Jersey
11:15-11:30	Marc Woernle Integrating Ecological Restoration in Conservation Design of Suburban Communities	Peter Frederick If We Build it, Will They Come? Sources of Uncertainty in Predicting Wading Bird Responses to Everglades Restoration	Isa Woo The Field of Dreams Dilemma, “Will they stay?” Avian Response to Tidal Marsh Restorations in San Pablo Bay, CA	Gilbert C. Sigua Lake Dredging and Beyond: Implication to Agriculture and Environment	Daniel Falt Hudson-Raritan Estuary, Hackensack Meadowlands, New Jersey Ecosystem Restoration Feasibility Study”
11:30-11:45	Joseph Makarewicz Remediation and Restoration of Embayment, Rivers and Coastal Regions of New York’s South Shore of Lake Ontario – the North Coast Initiative	Tom Fontaine Measuring Progress and Aquatic Restoration	Dale Gawlik A Synthesis of the Role of Wildlife Science in Wetland Ecosystem Restoration	William Orem Water Quality in Big Cypress National Preserve: Present Conditions and Potential Impacts of Restoration Plans	Daniel Falt Plan Formulation and Urban Ecosystem Restoration: Issues and Approaches –Hudson-Raritan Estuary, Gowanus Bay and Canal, Brooklyn, NY
11:45-12:00	Lisa Beever Integrating Science and Planning with Policy in Southwest Florida	Discussion	Discussion	Bruce Molnia Understanding the Role of Natural Processes in Guiding Human Restoration Efforts	Carl Alderson and John Brzorad The Influence of Salt Marsh Restoration in an Oil Spill-Impacted Marsh on Shallow Water Fauna and Wading Birds in the Hudson-Raritan Estuary, Staten Island, New York
12:00-12:15	Michael Bauer The Restoration of Naples Bay			John O’Meara Rouge Oxbow Restoration Project: Reestablishing Habitat and Recreation on the River	
12:15-1:30	BOXED LUNCH PROVIDED				
1:30-5:00	Plenary Session Ecosystem Assessment: Synthesis (The Great Hall) Introduction by Steve Gilbert , Moderator (10 min.)				
1:40-2:10	Richard Batiuk – Assessing Chesapeake Bay Ecosystem Restoration Over Decadal Scales				
2:10-2:40	Matthew Harwell – A Synthesis of Ecosystem Assessment in the Everglades				
2:40-3:10	Alan Steinman – Ecosystem Restoration Needs for the Great Lakes Region: Detecting Change Across Different Spatial and Trophic Scales				
3:10-3:30	BREAK IN POSTER & EXHIBIT DISPLAY AREA				
3:30-4:00	Wim Kimmerer – Assessing the CALFED Bay-Delta Ecosystem Restoration Program: Racing to Catch Up				
4:00-4:30	John Barko – Ecosystem Assessment and Restoration in the Upper Mississippi River System (UMRS)				
4:30-5:00	Robert Twilley – Coastal Louisiana Ecosystem Assessment and Restoration (CLEAR) Program				
5:00-7:00	POSTER SESSION II & RECEPTION in Poster & Exhibit Display Area				



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FRI 12/10/04					
7:30-8:30	MORNING REFRESHMENTS IN POSTER & EXHIBIT DISPLAY AREA				
8:30-1:00	Adaptive Management Workshop (Knights Hall - Upper Level) (Participation in this Workshop is limited to those attendees who registered for the workshop in advance)				
CONCURRENT SESSIONS					
8:30-10:05	SESSION 1 Science Synthesis: Restoration of Rivers and Channelss	SESSION 2 Science Synthesis: Impacts of Natural Phenomena and Human Activities on Ecosystem Restoration	SESSION 3 Science Synthesis: Evaluation and Assessment of Aquatic Fauna	SESSION 4 Detecting Change: High Tech	SESSION 5 Planning Restoration: Partnerships in Restoration
8:30-8:35	Great Hall North <i>–Session Introduction–</i> David Vigh, Moderator	Great Hall Center <i>–Session Introduction–</i> Reza Savabi, Moderator	Great Hall West <i>–Session Introduction–</i> Cecelia Linder, Moderator	Great Hall East <i>–Session Introduction–</i> Dave Jasinski, Moderator	Cloister (Upper Level) <i>–Session Introduction–</i> John Burns, Moderator
8:35-8:50	Pam Latham Using Vegetation to Establish Minimum Flows for the Alafia River in West Central Florida	Thomas Cronin Abrupt Climate Change: Implications for Coastal Ecosystem Restoration	Aaron Adams Developing an Ecological Context for Monitoring Restoration Effects on Fishes	Sabine Grunwald Spatially-Explicit Modeling of Soil Phosphorus Across the Greater Everglades	Claire O'Neill Restoration of Freshwater Tidal Wetlands in the Anacostia River, Washington, D.C.
8:50-9:05	Rebecca Lave Lessons Learned from Assessing River Restoration Projects in California	Lewis Linker Simulation of Chesapeake Bay Water Clarity and Submerged Aquatic Vegetation	Pamela Bachman Physiological Performance Measures and Tolerance Limits for Estuarine Indicator Species in South Florida	Gregory Bruland Statistical and Geostatistical Analyses of Soils Data from Water Conservation Area 3	Steven Pugh Monitoring and Adaptive Management of Restored Freshwater Tidal Wetlands in the Anacostia River, Washington, D.C.
9:05-9:20	Ehab Meselhe Hydro-Ecological Modeling of the Lower Mississippi River	David Rudnick Evaluating the Biogeochemical Effects of Everglades and Florida Bay Restoration	Andrew Goodwin Coupling 3-D Computational Fluid Dynamics, Water Quality, and Individual-based Models to Decode and Forecast 3-D Use of Aquatic Habitat by Highly Mobile Species	Shimon Wdowinski Space-based hydrology of the Everglades Wetland	Robert Boone Partnerships in Planting Seeds of Hope
9:20-9:35	Stephen J. Miller Integrating Environmental Water Management and Flood Control in Florida's Upper St. Johns River Basin	Evelyn Gaiser Cascading Ecological Effects of Low-Level Phosphorus Enrichment and Abatement in the Florida Everglades	Lori Valentine Effects of Estuary Fragmentation and Restoration on Fish Assemblage Characteristics and Secondary Production on Andros Island, The Bahamas	G. Lynn Wingard Natural Variability versus Anthropogenic Change: A Case Study in Biscayne Bay Florida	Peter Hill Wild Goose Chase or Addressing the Stressors to Tidal Wetland Restoration Efforts? Developing a Resident Goose Management Plan in a Multi-agency Situation
9:35-9:50	Michael Pollock Restoration of Incised Streams in the Semi-arid Regions of the Columbia River Basin, USA	James Jawitz Internal Loads in the Eutrophic Northern Everglades: Large-scale Modeling of Phosphorus Transport	David Penrose Ecological Functions of Restored Streams using Benthic Macroinvertebrates as Indicators	Peter Swarzenski Submarine Groundwater Discharge - Its Role in Coastal Processes and as a Potential New Proxy for Ecosystem Restoration	Hamid Karimi Planning for the Restoration of Highly Degraded Habitat in an Ultra Urban Setting
9:50-10:05	Michael Schwar Quantifying Hydrologic Restoration Effectiveness in the Illinois River Basin	Ronald Corstanje Modeling Biotic and Abiotic Interactions under Different Eutrophic Conditions in Subtropical Marsh Systems Discussion	Discussion	Arnold van der Valk Creation and Restoration of Tree Islands in The Everglades	Richard E. Walesky Environmental Restoration of Munyon Island
10:05-10:25	BREAK IN POSTER & EXHIBIT DISPLAY AREA				

FRI 12/10/04	CONCURRENT SESSIONS				
10:25-12:15	SESSION 1 Science Synthesis – Wetland Restoration	SESSION 2 Greater Everglades Ecosystem Restoration Science	SESSION 3 Comprehensive Approach to Restoration	SESSION 4 Detecting Change: Evaluating Riverine Response to Known Change	SESSION 5 Coastal Restoration Science
	Great Hall North	Great Hall Center	Great Hall West	Great Hall East	Cloister (Upper Level)
10:25-10:30	– <i>Session Introduction</i> – Tim Bechtel, Moderator	– <i>Session Introduction</i> – Loren Mason, Moderator	– <i>Session Introduction</i> – Pervaze Sheikh, Moderator	– <i>Session Introduction</i> – Shawn Sculley, Moderator	– <i>Session Introduction</i> – Margaret McBride, Moderator
10:30-10:45	John Wang A Coupled Surface- and Ground-Water Model of the Everglades System for Predicting Flows to the Coast under Existing Conditions and CERP Scenarios.	Charles Holmes The Effects of Ecological Changes in South Florida: Are These Problems for Restoration?	Cheryl Buckingham Performance Measures: Integrating Knowledge about Restoration Success	Teferi Tsegaye Biological Quality of Stream Water in Response to Land Use Practices	Gary Milano Coastal Habitat Restoration and Science- Based Monitoring Efforts in Southeast Florida
10:45-11:00	Christa Zweig Tracking and Predicting Vegetation Response to Hydrologic Alternatives across an Everglades Landscape using Artificial Neural Networks	Krish Jayachandran Development of Strategies to Manage Biological Invasion by Exotic Plant Species in Everglades National Park	Richard Schroeder Setting Objectives for Ecosystem Restoration: An Examination of National Wildlife Refuge Comprehensive Conservation Plans	David Colangelo Restoration of the Kissimmee River: Response of River Metabolism	Angie Ashley Using Community-based and Science-based Methods to Improve Tidal Marsh Restoration in the Chesapeake Bay
11:00-11:15	Stephen Ailstock Helicopter Application of Herbicides to Restore Wetland Biodiversity in Highly Sensitive Areas	Joel Trexler Extinction, Recolonization and Metacommunity Structure in Everglades Wetlands: Spatial Dynamics of Aquatic Communities Driven by Recurrent Disturbance	Gary Raulerson The (Continuing) Restoration of Sarasota Bay: A Comprehensive Approach	Steve Bousquin Responses of Littoral Vegetation to Restored Flow in the Kissimmee River	Peter Bergstrom Restoration of Aquatic Grass Communities of Chesapeake Bay: How Should We Proceed?
11:15-11:30	Matthew Cohen Development of a Systems Model to Explore Long Term Ridge-Slough Dynamics	Jennifer Rehage Impact of Anthropogenic Disturbance on Wetland Communities: Changes in Patterns of Fish and Macroinvertebrate Density as a Function of Distance from Canals	D. Scott Taylor Removing the Sands (sins?) of our Past: Dredge-spoil and Saltmarsh Restoration along the Indian River Lagoon, Florida	Gregory Steyer Response of the Louisiana Deltaic Landscape to Riverine Reintroduction	Joan Browder Epifaunal Distributions and Relationships with Salinity in Western Nearshore South Biscayne Bay
11:30-11:45	Debra Willard Impacts of Land-Cover and Hydrologic Change on Vegetation of the South Florida Coast	Brigitte Vlaswinkel Wetland and Tidal Channel Evolution Affecting Critical Habitats at Cape Sable, Everglades National Park, Florida	Michael Renda Comparing Wildlife Utilization in Natural, Restored and Disturbed Coastal Strand Vegetation	David Anderson Ranking and Integrating Restoration Expectations for the Kissimmee River, Florida	Maria M. Criales Modeling Connections between Life Stages of Pink Shrimp in South Florida
11:45-12:00	Earl McCoy The Influence of Habitat Structure on the Vertebrates of Reclaimed Phosphate Mines in Central Florida	David Reed Seed Germination and Growth of Four Wetland Tree Species in Response to Environmental Factors in Tree Islands of Northern Shark Slough, Everglades National Park	Phil Roni Watershed and Habitat Rehabilitation for Fishes: A World Review of Effectiveness of Habitat Restoration Techniques	Carol Kendall Tracing Sources of Organic Matter and Nitrate in the San Francisco Bay-Delta- River Ecosystem using Isotopic Techniques	Frank Marshall Effect of Time Scale on Patterns and Processes of Salinity Variation in Florida Bay
12:00-12:15				Timothy Fobes Side Channel Restoration on the Lower Missouri River and Examples in Adaptive Management	Frank Marshall Status of Statistical Modeling of Salinity in Florida Bay, Southern Biscayne Bay, and the Southwest Gulf Coast
12:15	CONFERENCE CONCLUDES				

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