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**Society of Wetland Scientists  
23<sup>rd</sup> Annual Meeting, June 2-7, 2002  
Lake Placid, New York**

**ORAL PRESENTATION SESSIONS**

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**Monday Morning, June 3, 2002**

<b>OPENING PLENARY SESSION - <i>Olympic Room 3/4</i></b>	
8:30-8:40	TERRY DOSS and DON FERLOW, Mid-Atlantic Chapter representatives <b>Opening Remarks</b>
8:40-8:50	BARRY WARNER, President SWS <b>Welcome</b>
8:50-9:10	RICHARD H. LEFEBVRE, Chairman of the Adirondack Park Agency
9:10-10:10	BILL McKIBBEN, Author and Adirondack Resident <b>Keynote Speaker</b>
10:10-10:30	BREAK
10:30-11:00	BENJAMIN GRUMBLES (invited), Deputy Assistant Administrator, Office of Water, U.S.Environmental Protection Agency <b>Wetland Protection under the Clean Water Act</b>
11:00-11:15	BARBARA BEALL, New York State Wetlands Forum <b>Slide Show of New York State Wetlands</b>
11:15-11:45	MARC MATSIL, NJ Department of Environmental Protection and Hudson River Estuary Program
11:45-12:00	ANNOUNCEMENTS - Brett Berkley
12:00-1:30	LUNCH ON YOUR OWN

**Monday Afternoon, June 3, 2002**

<b>SYMPOSIUM 1 - NATURAL HISTORY OF THE ADIRONDACKS - <i>Sky Room</i></b>	
Moderator: Dan Spada, New York State Adirondack Park Agency	
1:30-1:45	DAN SPADA <b>Introduction</b>
1:45-2:15	ROBERT GLENNON <b>The Adirondack Park: Public and Private Land History</b>
2:15-2:45	DONALD POTTER <b>Origin of Adirondack Wetlands</b>
2:45-3:15	CHRISTOPHER P. CIRMO <b>Hydrologic Setting of the Adirondack Park From a Wetland Viewpoint</b>
3:15-3:30	BREAK
3:30-4:00	JERRY JENKINS <b>Vegetational History of the Adirondack Park</b>
4:00-4:30	WILLIAM PORTER <b>Resilience of an Ecosystem - Lessons from Wildlife in the Adirondacks</b>
4:30-5:00	GERHARD GRUENDLING <b>Adirondack Wetlands</b>
5:00-5:30	BILL SMITH <b>Living in the Adirondacks</b>

## Monday Afternoon, June 3, 2002 (continued)

### **SYMPOSIUM 6 - NATIVE AMERICAN PERSPECTIVES ON WETLAND CONSERVATION - Mirror Lake Room**

Moderator: Jon Kusler, Association of State Wetland Managers and Richard Smardon, SUNY Environmental Science and Forestry

1:30-1:45	<b>Introduction</b>
1:45-2:15	BENJAMIN RIEGER <b>Oneida Indian Use of the Canastota Mucklands</b>
2:15-2:45	PEGGY PYKE-THOMPSON <b>Program Needs for Tribal Wetland Programs</b>
2:45-3:15	NEIL PATTERSON - TBA
3:15-3:30	BREAK

### **SESSION 1: WETLAND HYDROLOGY - Olympic Room 1**

Moderator: Peg McBrien, The Louis Berger Group, Inc.

1:30-1:50	KEVIN MOORHEAD <b>A Comparison of Water-Table Depth Using Electronic and Manual Wells</b>
1:50-2:10	ANDREW S. REEVE and Lee D. Slater <b>Hydrology and Mass Transport Processes in Caribou Bog, Maine</b>
2:10-2:30	ELIOT A. ATEKWANA, L.P. Tedesco, R.C. Barr, J. Wingate and B.E. Hall <b>Carbon Isotopes as a Tool to Identify Water Sources of Wetlands in Headwater Catchments in Glaciated Terrains</b>
2:30-2:50	GREGORY LIBERMAN <b>Riverbank Erosion Mapping Using GIS/GPS Technologies</b>
2:50-3:10	PEG McBRIEN <b>Hydrologic Design, Construction and Monitoring of a Forested Wetland</b>
3:10-3:30	BREAK
3:30-3:50	BLAINE WATSON and Keith Carr <b>Wetland Hydrology in Levee-protected and Unprotected Parcels along a Main-stem River</b>
3:50-4:10	JAMES A. MONTGOMERY, Elizabeth Elverson, Joshua Neukom and Mark Pfister <b>Water Quality Dynamics in a Restored Wetland in Northeastern Illinois</b>
4:10-4:30	KATHY BAILEY and Barbara Bedford <b>Physico-chemical Effects of Ground Water Flow on the Plant Rooting Zone in New York Fens</b>
4:30-4:50	EDIRIWEERA PATABANDIGE SAMAN CHANDANA <b>Impact on Physico-Chemical and Biological Environment of Malala Lagoon Following a Man-Made Abrupt Hydrologic Alteration</b>

## Monday Afternoon, June 3, 2002 (continued)

<b>SESSION 2: WETLAND BIOGEOCHEMISTRY - Olympic Room 2</b>	
Moderator: Kel Wieder, Villanova University	
1:30-1:50	BETH RAVIT, Joan Ehrenfeld and Max Haggblom <b>A Comparison of Sediment Microbial Communities Associated with <i>Phragmites australis</i>, <i>Spartina alterniflora</i>, and Unvegetated Mud Flats in Brackish Wetlands of New Jersey</b>
1:50-2:10	JOHN NAVARATNAM and R. Kelman Wieder <b>Eubacterial and Fungal Community Diversity in a Boreal Peatland Complex</b>
2:10-2:30	LIWEI SUN, Ping Gui, Ryuhei Inamori, Naohiro Nada, Satoshi Tsuneda, Akira Hirata, Motoyuki Mizuochi and Yuhei Inamori <b>Distribution and Community Structure of Methanotrophs in a Constructed Wetland Wastewater Treatment System</b>
2:30-2:50	SHARON REED, Virginie Bouchard, Serita Frey, William Mitsch and Yo Chin <b>Impact of Macrophyte Functional Diversity on Primary Productivity and Methane Production in Wetlands</b>
2:50-3:10	ANDREW RAY and Richard Inouye <b>The Phenology of Mycorrhizal Infection in <i>Typha latifolia</i></b>
3:10-3:30	BREAK
3:30-3:50	STEPHEN DAVIS and Daniel Childers <b>Macrophyte Litter in the Southern Everglades: A Rapid and Substantial Source of Energy and Nutrients to the Detritus Food Chain</b>
3:50-4:10	RYAN PENTON and Sue Newman <b>Nutrient and Habitat Influences on Soil and Detrital Enzyme Activity in the Everglades</b>
4:10-4:30	ROD A. CHIMNER and Katherine C. Ewel <b>Mechanisms of Carbon Accumulation in Micronesian Tropical Forested Peatlands</b>
4:30-4:50	CHRISTOPHER CRAFT and Chad Washburn <b>Climate Versus Local Control of Organic Carbon Accumulation in Temperate and Subtropical Peatlands</b>

<b>SESSION 3: WETLAND INVASIVE SPECIES – Olympic Room 3/4</b>	
Moderator: Paul DuBow, U.S. Army Corps of Engineers, Waterways Experiment Station	
1:30-1:50	MEI-YIN WU and Jason A Stetz <b><i>Phragmites australis</i> versus <i>Typha latifolia</i> for Constructed Sludge Treatment Wetlands</b>
1:50-2:10	BRADLEY WELCH and Craig Davis <b>The Relationship of <i>Phragmites australis</i> Standing Crop to Floristic Diversity in Three Lake Erie Marshes</b>
2:10-2:30	PAUL HOOK, Jeffrey Klausmann, Cici Kelling, Ron LeCain and Roger Sheley <b>Factors Affecting Invasive Plant Establishment in Northern Rocky Mountain Wetlands</b>
2:30-2:50	EDWARD H. FRANTZ <b>Adirondack Park Non-Native Invasive Plant Species Project</b>
2:50-3:10	Mary Greenwood and PAUL DuBOWY <b>Autecology of <i>Zannichellia palustris</i> in Australia: Endangered Species or Exotic?</b>
3:10-3:30	BREAK
3:30-3:50	ROBERT M. HARTZEL and Martin Hilovsky <b>Biological Control of Eurasian Milfoil with the Aquatic Weevil (<i>Euhrychiopsis lecontei</i>): Lessons from the Lakes - The Good, the Bad...and the Inconclusive</b>
3:50-4:10	CHRISTY PIRKLE and Craig Davis <b>Association between the Dominance of <i>Lythrum salicaria</i> (Purple loosestrife) and Plant Diversity at two Lake Erie Wetlands</b>
4:10-4:30	COLLEEN HATFIELD, Shahroukh Mistry and Jennifer Mokos <b>Discontinuities in Habitat Features and the Spread of Exotic Species in Riparian Landscapes</b>
4:30-4:50	KATHERINE WERNER and Sara Hotchkiss <b>Montane Bog Vegetation Response to Feral Ungulate Disturbance and Exclosure</b>
4:50-5:10	PRADIP KUMAR NANDI <b>Control of <i>Ipomoea fistulosa</i>, an Invader Species in Upper Lake, Bhopal, India</b>

## Monday Afternoon, June 3, 2002 (continued)

<b>SESSION 4: WETLAND MANAGEMENT - High Peaks Room</b>	
Moderator: Alison Aldous, The Nature Conservancy	
1:30-1:50	DAVID MIFSUD <b>Effective Management Strategies to Limit Fragmentation of Wildlife Habitat and Corridors: One Municipality's Approach to Wetland Conservation</b>
1:50-2:10	M. JANE KELEHER and Russell B. Rader <b>Determining the Ecological Integrity of Isolated Wetlands in the Bonneville Basin, Utah</b>
2:10-2:30	CANDACE BLUMENFELD, Richard Smardon, Valerie Luzadis and Michael Townsend <b>Evaluating the Wetlands Reserve Program in New York State: An Assessment of Participating Landowners' Attitudes and Reasons for Enrollment</b>
2:30-2:50	ANGELA CASSAR <b>Taking a Watershed Approach to Managing Wetlands of International Importance: Australia and the Peoples' Republic of China</b>
2:50-3:10	ALLISON ALDOUS, Karen Poiani and Wendy Fulks <b>A Landscape Approach to Wetland Conservation</b>
3:10-3:30	BREAK
3:30-3:50	MARY E. KENTULA and Stephanie E. Gwin <b>Tracking Wetland Changes in an Urbanizing Area Using NWI and Field Survey Data</b>
3:50-4:10	TARA HENRICHON and Cynthia Loftin <b>Determining Long-term Extent of Marsh Type Conversion using Satellite Imagery, Digital Aerial Photography and GIS</b>
4:10-4:30	JAN STUART <b>Wetlands to Uplands Via the Woodwaste Pile</b>
4:30-4:50	AMIT TIWARI <b>Mapping Wetlands Interalia Significance</b>

## Tuesday Morning, June 4, 2002

<b>SYMPOSIUM 2: GLOBAL CLIMATE CHANGE AND WETLANDS I - <i>Olympic Room 4</i></b>	
Moderator: Glenn Guntenspergen, U.S. Geological Survey	
8:30-8:50	GLENN R. GUNTENSPERGEN, W. Carter Johnson, T. Gilmanov, J. Tracy and D. Naugle <b>Integrating the Effects of Land Use and Global Climate Change on Hydrology and Vegetation of Northern Great Plains Wetlands</b>
8:50-9:10	KAREN L. MCKEE, Jill E. Rooth, Andrea C. Anteau and Bent Lorenzen <b>Effects of Elevated Atmospheric CO<sub>2</sub> and Soil Nitrogen Availability on a Mangrove-Salt Marsh Community: A Mesocosm Approach</b>
9:10-9:30	BRANDON T. HERBERT and Karen L. McKee <b>Root Morphology of <i>Avicennia germinans</i> and <i>Spartina alterniflora</i> in Response to Elevated CO<sub>2</sub> and Soil Nitrogen Availability in a Mangrove-Salt Marsh Mesocosm Experiment</b>
9:30-9:50	JILL E. ROOTH and Karen L. McKee <b>Effects of Elevated CO<sub>2</sub> and Soil Nitrogen Availability on a Mangrove-Salt Marsh Community: Biomass Allocation and Elevation Change</b>
9:50-10:10	THOMAS J. SMITH III and Carole C. McIvor <b>Understanding and Predicting Global Climate Change Impacts on the Vegetation and Fauna of Mangrove Forested Ecosystems in Florida</b>
10:10-10:30	BREAK
10:30-10:50	MICHAEL ERWIN, Geoffrey Sanders and Diann Prosser <b>Sea-level Rise, Marsh Elevation Changes, and Waterbird Habitats along the Atlantic Coast</b>
10:50-11:10	GEOFFREY M. SANDERS, R. Michael Erwin and Diann J. Prosser <b>Detecting Changes in Atlantic Monsoonal Salt Marsh Habitat Using Current and Historic Aerial Imagery</b>
11:10-11:30	CLIFF R. HUPP, Charles R. Demas, Richard H. Day and Daniel E. Kroes <b>Sediment Trapping and Carbon Sequestration in the Atchafalaya River Basin, Louisiana</b>
11:30-11:50	DANIEL E. KROES and Cliff R. Hupp <b>Sediment Storage Dynamics of a Largely Channelized Fluvial System, the Pocomoke River, Maryland</b>

<b>SYMPOSIUM 3: "ISOLATED" WETLANDS I - <i>Sky Room</i></b>	
Moderators: Tracie-Lynn Nadeau and Scott Leibowitz, U.S. Environmental Protection Agency	
8:30-8:45	TRACIE NADEAU and SCOTT LEIBOWITZ <b>Introduction</b>
8:45-9:15	THOMAS C. WINTER <b>Hydrologic Considerations in Defining Isolated Wetlands</b>
9:15-9:45	DENNIS F. WHIGHAM and Thomas E. Jordan <b>Isolated Wetlands: Water Quality</b>
9:45-10:15	WHIT GIBBONS <b>It's Time We Put the Lands Back into Wetlands</b>
10:15-10:30	BREAK
10:30-11:00	CURTIS RICHARDSON <b>Pocosins: Isolated or Integrated Wetlands on the Landscape?</b>
11:00-11:30	REBECCA SHARITZ <b>Carolina Bays: Ecological Values of Isolated Wetlands in the Southeastern U.S. Coastal Plain</b>
11:30-12:00	DAVID A. HAUKOS and Loren M. Smith <b>Past and Future Impacts of Wetland Regulations on Playa Ecology</b>

## Tuesday Morning, June 4, 2002 (continued)

<b>SESSION 5: WETLAND ASSESSMENT I – <i>Olympic Room 3</i></b>	
Moderator: Denice Heller Wardrop, Penn State University	
8:30-8:50	MARJORIE HOLLAND, Lawrence Shaffer and Lisa Chambers-Strong <b>Assessment of Headwater Stream Environments: A Watershed Approach</b>
8:50-9:10	RICHARD D. RHEINHARDT, Mark M. Brinson, Robert R. Christian, Kevin H. Miller and Grey Meyer. <b>Classification of Riparian Buffers by Condition in Agricultural Drainage Basins</b>
9:10-9:30	JENNIFER MASINA RUBBO, Robert P. Brooks, and Denice Heller Wardrop <b>Using HGM Models to Assess the Functional Condition of Wetlands: A Case Study in the Upper Juniata Watershed, Pennsylvania</b>
9:30-9:50	SARAH J. MILLER, Denice H. Wardrop and Robert P. Brooks <b>Constructing Plant-Based Indices of Biological Integrity for Wetlands in the Ridge and Valley Physiographic Province of Central Pennsylvania</b>
9:50-10:10	DENICE HELLER WARDROP, Robert P. Brooks, Sarah J. Miller and Jennifer M. Rubbo <b>Conducting Regional Assessments of Wetland Condition: An Example from the Juniata Watershed, Pennsylvania</b>
10:10-10:30	BREAK
10:30-10:50	KURT P. KOWALSKI and Mara L. Lindsley-Smith <b>Assessing Wetland Habitats in the Great Lakes Basin with Satellite-based Multi-spectral Sensors: Advantages and Challenges</b>
10:50-11:10	DONALD L. TILTON and Karen Shaw <b>The Use of Rapid Wetland Assessments in Rouge River Watershed Planning</b>
11:10-11:30	WILLIAM DEBUSK and Joseph Prenger <b>Soil Biogeochemical Indicators For Wetland and Watershed Assessment</b>
11:30-11:50	VIRGINIE BOUCHARD <b>Testing the Outwelling Concept in a Great Lakes Coastal Wetland</b>

<b>SESSION 6: WETLAND CREATION AND RESTORATION I – <i>Mirror Lake Room</i></b>	
Moderator: Mickey Marcus, New England Environmental Inc.	
8:30-8:50	LARRY SCHWARTZ, Lee Smith and Theresa Heiker <b>Implementation of Watershed Controls for Wetland and Lake Restoration</b>
8:50-9:10	MARSH ZELLHOEFER, Sarah Emery and Daniel Schmidt <b>Integrating Wetland Mitigation Site Planning and Management with GIS</b>
9:10-9:30	MICHAEL D. KAPLOWITZ, Frank Lupi and John P. Lupi <b>Estimating Wetland Mitigation Ratios from Public Preferences</b>
9:30-9:50	RICHARD GITAR <b>Wetland Mitigation Challenges on a Northeastern Minnesota Indian Reservation</b>
9:50-10:10	MICKEY MARCUS <b>Analysis of River Bank Erosion Using Geo-referenced Video Techniques on Large River Systems</b>
10:10-10:30	BREAK
10:30-10:50	DARBY KILEY and Rebecca Schneider <b>An Examination of Riparian Root Dynamics and Implications for Control of Streamside Functions</b>
10:50-11:10	MICHAEL F. MERIGLIANO, Michael C. Williamson and Hans R. Zuuring <b>Riparian Restoration with Prescribed Flows: Cottonwood Regeneration along a Dammed River after a Large Flood</b>
11:10-11:30	ALAN HABERSTOCK, Fred Presley, Jenny Pereira, Jane Sherman and Bruce DiGennaro <b>Riparian Buffer Restoration Project: Woonasquatucket River Watershed, Rhode Island</b>
11:30-11:50	LENORE P. TEDESCO, Eliot A. Atekwana, Greg Lindsey, Robert C. Barr and Bob E. Hall <b>The LILLY ARBOR Project: Testing Strategies for Riparian Restoration</b>

## Tuesday Morning, June 4, 2002 (continued)

<b>SESSION 7: WETLAND VEGETATION I – High Peaks Room</b>	
Moderator: Jim Powell, Alaska Department of Environmental Conservation	
8:30-8:50	LAURIE LEACH and S. Reza Pezeshki <b>Examining the Response of <i>Typha latifolia</i> to Varying Iron Levels in a Phosphorus Rich Environment</b>
8:50-9:10	JULIA CHERRY and Laura Gough <b>The Effects of Herbivory on the Growth and Production of <i>Nymphaea odorata</i></b>
9:10-9:30	DAYNA L. HUVAL and John A. Nyman <b>Effects of Nutrient Additions on Salinity Stress in <i>Spartina patens</i></b>
9:30-9:50	ELLEN KRACAUER HARTIG, Vivien Gornitz and Alexander Kolker <b>Anthropogenic and Climate Change Impacts on Salt Marshes of Jamaica Bay, New York City</b>
9:50-10:10	John Pethick and STEPHEN CROOKS <b>Coastal Erosion: A Self-inflicted Wound</b>
10:10-10:30	BREAK
10:30-10:50	BRIAN W. BENSCOTER, R. Kelman Wieder and Dale H. Vitt <b>Boreal Bog Vegetation Change after Fire: An Example of Relay Floristic Succession</b>
10:50-11:10	PAUL WHITEHEAD <b>Modelling Phosphorus, Macrophyte and Epiphyte Interactions in Wetland Ecosystems</b>
11:10-11:30	DAVID D'AMORE and Tracy Christopherson <b>Phosphorus Dynamics in an Upland/wetland Hillslope Transect in Southeast Alaska</b>
11:30-11:50	JIM POWELL, Todd Walter, Dave D'Amore, Julian Diess, Alan Love, Dave Clover and Mal Menzies <b>Lead and Diesel Fuel Transport through Peat Soil near Juneau Alaska: A Case Study</b>

## Tuesday Afternoon, June 4, 2002

<b>SYMPOSIUM 2: GLOBAL CLIMATE CHANGE AND WETLANDS II - Olympic Room 4</b>	
Moderator: Glenn Guntenspergen, U.S. Geological Survey	
1:30-1:50	DONALD R. CAHOON <b>Wetland Sediment Elevation Dynamics and the Role of Shallow Subsurface Processes: A Review</b>
1:50-2:10	BRIAN C. PEREZ, Bradley Segura, Donald R. Cahoon, Troy Olney and Christopher Swarzenski <b>Marsh Surface Elevation Change Following a Large-Scale Dieback of <i>Spartina alterniflora</i> in Coastal Louisiana</b>
2:10-2:30	TODD A. THOMPSON, John W. Johnston and Steve J. Baedke <b>Reconstructing Paleo Lake Levels in Lake Superior from Relict Shorelines</b>
2:30-2:50	ROBERT K. BOOTH and Stephen T. Jackson <b>Hydrological and Developmental Responses of Peatlands in the Western Great Lake Region to Centennial-scale Climatic Change</b>
2:50-3:15	STEPHEN T. JACKSON and Robert K. Booth <b>Hydrological and Ecological Responses to Millennial-scale Climate Variability in the Western Great Lakes Region</b>
3:15-3:30	BREAK
3:30-3:50	JACOBY CARTER, Alex Arrivillaga, Sergio Merino, Justin Price and Janelda Biagas <b>A Survey of Submerged Aquatic Vegetation in Brackish Waters in the Northern Gulf of Mexico, from Louisiana to Florida</b>
3:50-4:10	ALEX ARRIVILLAGA, Jacoby Carter, Sergio Merino and Justin Price <b>Monitoring Submerged Aquatic Vegetation at Sabine National Wildlife Refuge</b>
4:10-4:30	JACOBY CARTER, Guna Seetharaman, Ha V. Le, Alex Arrivillaga, Janelda Biagas, Emmett Chappelle and Larry Corp <b>The Use of Light Induced Fluorescence to Assess Vegetation Health.</b>
4:30-4:50	GLENN GUNTENSPERGEN <b>Summary Comments and Discussion</b>

<b>SYMPOSIUM 3: "ISOLATED" WETLANDS II - Sky Room</b>	
Moderator: Tracie-Lynn Nadeau and Scott Leibowitz, U.S. Environmental Protection Agency	
1:30-2:00	PAUL ZEDLER <b>Vernal Pools</b>
2:00-2:30	ARNOLD G. VAN DER VALK and Roger L. Pederson <b>The SWANCC Decision and its Implications for Prairie Potholes</b>
2:30-3:00	BARBARA BEDFORD <b>Fens: Isolated Only by Some Interpretations</b>
3:00-3:15	<b>Discussion</b>
3:15-3:30	BREAK
3:30-4:00	RALPH TINER <b>Distribution of Isolated Wetlands in Selected Areas of the United States</b>
4:00-4:30	PAUL SCOTT HAUSMANN and JEANNE CHRISTIE <b>Actions by State Governments to Fill the Gap Created by Reductions in Clean Water Act Jurisdiction</b>
4:30-5:00	<b>Panel Discussion</b>
5:00-5:15	TRACIE NADEAU and SCOTT LEIBOWITZ <b>Conclusion</b>

## Tuesday Afternoon, June 4, 2002 (continued)

<b>SESSION 8: WETLAND ASSESSMENT II – <i>Olympic Room 3</i></b>	
Moderator: Amy Deller Jacobs, Delaware Department of Natural Resources and Environmental Control	
1:30-1:50	JEFF GLAZNER and Don Moore <b>Wetland Delineation and Digital Photography: A Practitioner's Approach</b>
1:50-2:10	ROBERT LICHVAR, Gregory Gustina, and Michael Ericsson <b>Large Scale Wetland Delineation Method for Western Riparian Watersheds</b>
2:10-2:30	AMY DELLER JACOBS, Dennis F. Whigham, Donald E. Weller, Thomas E. Jordan and Marcia N. Snyder <b>Ecological Conditions of Flat and Riverine Wetlands in the Nanticoke River Watershed: Combining HGM, EMAP Sampling Methods, and Spatial Analysis</b>
2:30-2:50	PAMELA LATHAM, Ralph Montgomery, Jon Morales and Marty Kelly <b>Establishing Minimum Flows for the Upper Peace River, Florida</b>
2:50-3:10	RICHARD MELLON <b>Predictive Holistic Habitat Analysis and Classification System (PHHACS)</b>
3:10-3:30	BREAK
3:30-3:50	CYNTHIA HENDERSON and Thomas P. Cathcart <b>A Comparison of Three Rapid Evaluation Procedures for Pine Savanna Wetlands</b>
3:50-4:10	BRAD JOHNSON <b>Development of a Taxonomic Key to Wetland Hydrogeomorphic Types in Summit County, Colorado</b>
4:10-4:30	KIMBERLY GOODWIN <b>The Effectiveness of Four Different Wetland Assessment Models in Evaluating Functional Tidal Marsh Habitat in Coastal Louisiana</b>
4:30-4:50	EDUARDO M. DA SILVA, Mauricio R. de Almeida, Gil A.B. Ramos and Leonardo Pacheco <b>Values of the Wetlands of the Northern Littoral of Bahia (Brazil): The Crumai River Floodplain and the Lower Itapicuru River</b>

<b>SESSION 9: WETLAND CREATION AND RESTORATION II – <i>Mirror Lake Room</i></b>	
Moderator: Lee Weishar, Woods Hole Group	
1:30-1:50	JOHN G. CATENA, Jim Turek, John Sacco, Shawn Kiernan, Christopher Craft and Angela Sturdevant <b>Planning, Design, and Construction of a Tidal Wetland Restoration Project In a Highly Urbanized Estuary, Woodbridge, New Jersey</b>
1:50-2:10	FRANCO A. MONTALTO, Tammo Steenhuis and Jean-Yves Parlange <b>Monitoring, Modelling, and Restoration of Tidal Marsh Hydrology</b>
2:10-2:30	JAMES G. TUREK, Mark Stolt, John Catena and Sarah Allen <b>Substrate Deterioration and Plant Community Responses: Restoration Case Studies of Tidally Restricted Northeast Salt Marshes</b>
2:30-2:50	DAVID OSGOOD, James Saiers, Rich Orson, Tim Hoffman, Karen Manasfi and Richard Sappe <b>Changes in Peat Structure Following Tidal Marsh Restoration: Implications for Nutrient Exchange</b>
2:50-3:10	LEE WEISHAR, John Teal, Ray Hinkle and John Balletto <b>Wetlands Restoration in the Delaware River Estuary: The Tale of Two Success Stories</b>
3:10-3:30	BREAK
3:30-3:50	JAMES P. AMON <b>Creation and Restoration of Fen-like Habitat 1992 to 2002</b>
3:50-4:10	SIOBHAN FENNESSY and Abby Rokosch <b>Assessing Biogeochemical Functions in Restored Wetlands</b>
4:10-4:30	ABBY ROKOSCH, M.S. Fennessy and John J. Mack <b>Structural and Functional Comparison of Natural and Mitigation Wetlands</b>
4:30-4:50	ANDREW COLE AND SCOTT SIEGFRIED <b>Long-term Assessment of Wetland Mitigation at Fort Drum, New York: 1994-2001</b>

## Tuesday Afternoon, June 4, 2002 (continued)

<b>SESSION 10: WETLAND VEGETATION II – High Peaks Room</b>	
Moderator: Michael Whited, U.S. Department of Agriculture, NRCS	
1:30-1:50	KATHERINE EWEL, Robert Hauff and Thomas Cole <b>Analyzing Mangrove Forest Structure and Species Distribution on a Pacific island</b>
1:50-2:10	CARLOS CORONADO-MOLINA, Michael S. Korvela, Megan Jacoby and Fred S. Sklar <b>Tree Growth Response to Changes in Water Level on Tree Islands Located in the Southern Everglades</b>
2:10-2:30	CHRISTOPHER MILLER and Barry Warner <b>The Vertical Accretion and Hydroseral Evolution of a <i>Sphagnum</i>-dominated Peatland Along a Hyper-transgressive Coastline</b>
2:30-2:50	ELIZABETH BLANCHET and Peter L.M. Veneman <b>Soils and Geochemistry Along and Wet Meadow Hydrosequence in Western Massachusetts</b>
2:50-3:10	LISAMARIE WINDHAM, Judith S. Weis and Peddrick Weis <b>Metal Dynamics of Plant Litter of <i>Spartina alterniflora</i> and <i>Phragmites australis</i> in Metal-contaminated Salt Marshes: Patterns of Decomposition and Metal Uptake</b>
3:10-3:30	BREAK
3:30-3:50	LEE SLATER, Andrew Reeve, Isaiah Utne and Danney Glaser <b>Resistivity, Induced Polarization and Ground Penetrating Radar (GPR) Investigations of Subsurface Controls on Vegetation Communities in Caribou Bog, Maine</b>
3:50-4:10	KRISTINA MAKKAY, Frances R. Pick and Lynn Gillespie <b>Biodiversity of Aquatic Macrophytes in the Rideau River, Ontario</b>
4:10-4:30	ANN M. HOEFFERLE and Charles L. Wolverton <b>Feasibility of Restoring Northern White Cedar (<i>Thuja occidentalis</i> L.) Wetlands</b>
4:30-4:50	MICHAEL WHITED <b>Growing Season in Northern New Hampshire: Air Temperature, Soil Temperature, Vegetative Growth, and Soil Redox Potential Relationships</b>

## Thursday Morning, June 6, 2002

<b>SYMPOSIUM 4 – WETLANDS AND CLIMATE CHANGE I - Sky Room</b>	
Moderator: Jon Kusler, Association of State Wetland Managers	
8:30-8:55	VIRGINIA BURKETT <b>Climate Change Predictions and Models</b>
8:55-9:20	<b>Panel Discussion - Results from Recent Carbon-related Meetings/Workshops</b>
9:20-9:45	R. KELMAN WIEDER, Merritt R. Turetsky, Dale H. Vitt and Linda Halsey <b>Western Canadian Peatlands – Source or Sink for Atmospheric C?</b>
9:45-10:10	GAIL L. CHMURA, Shimon C. Anisfeld, Donald Cahoon and James C. Lynch <b>Global Carbon Sequestration in Soils of Tidal Salt Marshes and Mangrove Swamps</b>
10:10-10:30	BREAK
10:30-10:55	THOMAS G. HUNTINGTON, H.W. Markewich, F.E. Rhoton, S.J. Bennet, and G.R. Buell <b>Soil Organic Carbon (SOC) Dynamics in the Mississippi River Basin: Fate of Carbon Deposited in Wetland Environments</b>
10:55-11:20	SIOBHAN FENNESSY and Virginie Bouchard <b>Does Nitrogen Availability Limit Carbon Sequestration in Restored Wetlands?</b>
11:20-11:45	RHONDA McDOUGAL and Henry Murkin <b>Carbon Sequestration and Greenhouse Gas Flux in Canadian Prairie Wetlands: An Integrated Catchment Assessment</b>
11:45-12:10	NED H. EULISS, JR., R.A. Gleason, A. Olness, R.L. McDougal, H.R. Murkin, R.D. Robarts, R.A. Bourbonniere and B.G. Warner <b>Prairie Wetlands of North America Important for Carbon Storage</b>

<b>SESSION 11: WETLAND ISSUES IN LOUISIANA - Olympic Room 3</b>	
Moderator: Mark Ford, Louisiana Environmental Research Center	
8:30-8:50	MARK A. FORD and Michael S. Connors <b>Seasonal, Sedimentation and Drought Impacts on Wetland Loss at the Pearl River, Louisiana</b>
8:50-9:10	G. MELANCON, J.A. Nyman, T.C. Michot and J.D. Foret <b>Extensive Dieback of Non-saline Coastal Marshes in Louisiana, 1999 to 2001</b>
9:10-9:30	JOHN CALVIN <b>How Does Vertical Accretion and Shallow Subsidence Vary Surface Elevation Change within the St. Bernard Delta?</b>
9:30-9:50	JOHN RAPP and Todd Folse <b>Vegetative Community Composition of Created Deltaic Lobes Adjacent to the Lower Atchafalaya River One and Three Growing Seasons After River Dredging</b>
9:50-10:10	TODD FOLSE and John Rapp <b>A Comparison of Vertical Movement and Salinity Concentrations between Two Different Floating Marsh Sites, Terrebonne Parish, Louisiana</b>
10:10-10:30	BREAK
10:30-10:50	STEPHANIE J. SKOJAC and David A. White <b>Remnant Bottomland Forests Near the Terminus of the Mississippi River in Southeastern Louisiana</b>
10:50-11:10	ENRIQUE REYES, Emily Hyfield, John W. Day, Jr. and Robert R. Lane <b>Watershed Water Chemistry and Modeling under a Pulsed River Discharge</b>
11:10-11:30	REBECCA J. HOWARD, Patricia S. Rafferty, Timothy A. Daigle, J. Brian Briggs and Natalie J. Klingensmith <b>Vegetation Restoration on Deposited Dredge Material in Louisiana Coastal Marshes</b>
11:30-11:50	JOHN McCOY, Bob Keeland and Jim Allen <b>Natural Invasion of Bottomland Hardwood Trees onto Abandoned Agricultural Fields in the Lower Mississippi Alluvial Valley</b>

## Thursday Morning, June 6, 2002 (continued)

<b>SESSION 12: WETLAND FAUNA I – Olympic Room 4</b>	
Moderator: Dave Rissik, Estuaries, Natural Resource Products Division	
8:30-8:50	JAMES T. ANDERSON <b>Waterbird Response to Slow and Fast Drawdowns on the North and Mid Atlantic Coast, USA</b>
8:50-9:10	J. BRUCE POLLARD, Mark Ridgway, D.V. (Chip) Weseloh and Kevin Loftus <b>Development and Delivery of a Double-crested Cormorant Research, Monitoring and Management Program in Ontario</b>
9:10-9:30	BARB MAILE, James H. Devries, A. Lee Foote, Geoffrey L. Holroyd, Michael G. Anderson and David W. Howerter <b>Small Mammal Response to Managed Waterfowl Nesting Cover</b>
9:30-9:50	HEIDI BOGNER and Guy Baldassarre <b>Breeding Ecology of the Least Bittern in Western New York</b>
9:50-10:10	ANDREW K. ZADNIK, James T. Anderson, Petra Bohall Wood and Kerry Bledsoe <b>Waterbird, Anuran, and Turtle Use of Back Channels Associated with Islands of the Ohio River, West Virginia</b>
10:10-10:30	BREAK
10:30-10:50	ROBERT B.E. SHUFORD, III, Jennifer Magson and Paul V. McCormick <b>Habitat Related Growth in the Juvenile Florida Applesnail, <i>Pomacea paludosa</i></b>
10:50-11:10	JASON TONER, Alison Halpern, Gregory W. Hoag, John M. Farrell and Donald J. Leopold <b>Effects of Water Level Manipulation on Muskrat Populations within St. Lawrence River Coastal Wetlands</b>
11:10-11:30	DENI POREJ and Mick Micacchion <b>Challenges of Replacing Lost Amphibian Habitat through Wetland Compensatory Mitigation</b>
11:30-11:50	DAVID RISSIK, Edward Ho-Shon, Brooke Newell and Alain Suthers <b>Plankton Dynamics Following Rainfall in the Catchments of two Intermittently Opening and Closing Lagoons in Northern Sydney, Australia</b>

<b>SESSION 13: WETLAND CREATION AND RESTORATION III – Mirror Lake Room</b>	
Moderator: Ron Fortney, West Virginia University	
8:30-8:50	MOLLY RAMSEY, William Currie, Keith Eshleman and Raymond Morgan, III <b>Wetland Occurrence in Rehabilitated Ecosystems: The Role of Microtopography</b>
8:50-9:10	STEPHANIE WEHR, Elisa D'Angelo, A.D. Karathanasis and Earl J. Sparks <b>Biogeochemical Processes to Assess the Water Quality Improvement Function of Mitigated and Reference Wetlands</b>
9:10-9:30	GREG BRULAND and Curtis J. Richardson <b>Soil Properties and Processes in Natural and Mitigation Nontidal Forested Wetlands in North Carolina</b>
9:30-9:50	COLLIN BALCOMBE, Jim Anderson, Ronald Fortney and Walt Kordek <b>A Comparison of Mitigated and Natural Wetland Function in West Virginia Based on Vegetation and Wildlife Community Analysis</b>
9:50-10:10	RONALD FORTNEY, James Rentch, James Anderson and Collin Balcombe <b>Ten Years of Vegetation Development in Three Mitigation Wetlands Constructed by the West Virginia Division of Highways</b>
10:10-10:30	BREAK
10:30-10:50	NICHOLAS A. MILLER, Francis C. Golet, Dennis H. A. Myshrall, Michael P. Bradley and M. Carolyn Murphy <b>Prioritizing Rhode Island's Freshwater Wetland Restoration Opportunities: Functional Probability Assessments for Destroyed Sites</b>
10:50-11:10	ED SAMANNS, Jeffrey Feinberg and Sebastian Zacharias <b>Design Considerations for Vernal Pools in Southern New York State</b>
11:10-11:30	IAN ROUL and Line Rochefort <b>Quantification of the Effects of Ditch Blocking in Restoring Block Cut Peatlands</b>
11:30-11:50	SHARON M. ASHWORTH and Kelly Kindscher <b>A Test of Assembly Theory in Restored Wetlands at Cheyenne Bottoms, Kansas</b>

## Thursday Morning, June 6, 2002 (continued)

<b>SESSION 14: WETLAND VEGETATION III – High Peaks Room</b>	
Moderator: Catherine Owen, Franklin Pierce College	
8:30-8:50	ANDREW BALDWIN and Michael Egnotovich <b>Nutrients and Plant Species Composition and Diversity: An Experimental Study in Tidal Freshwater Wetlands</b>
8:50-9:10	ELAINE K. BRENNER-ZALEWSKI <b>Heavy Metal Accumulation and Speciation in <i>Phragmites australis</i> and <i>Spartina alterniflora</i> in the New Jersey Meadowlands, Secaucus, New Jersey</b>
9:10-9:30	NAOMI DETENBECK, Terri Jicha, Colleen Elonen, Leroy Anderson, Mary Moffett, Jo Thompson and Brian Hillt <b>Assessment of Nutrient Exposure and Response Indicators in Lake Michigan Coastal Riverine Wetlands</b>
9:30-9:50	RICHARD FUTYMA and Norton Miller <b>Paleoecological Studies of Marl Fen and <i>Thuja</i> Stand Development at the Byron-Bergen Swamp, Genesee County, New York</b>
9:50-10:15	JENNY T. KAO, John E. Titus and Coralie Graham <b>Differential Nitrogen and Phosphorus Retention by Five Wetland Plant Species</b>
10:15-10:30	BREAK
10:30-10:50	DEBORAH J. PICKING and Peter L.M. Veneman <b>Vegetation and Environmental Gradients in a Calcareous Sloping Wetland of Western Massachusetts</b>
10:50-11:10	KEVIN OWEN <b>Qualitative versus Quantitative Sampling of Northern New York Wetlands</b>
11:10-11:30	JAMES A. SCHMID <b>Calculating Hydrophytic Vegetation: Select the Method that Gives the Result You Want</b>
11:30-11:50	CATHERINE OWEN <b>Impacts of Sediment Deposition on Wetland Soil and Vegetation: Results from Field and Greenhouse Experiments</b>

## Thursday Afternoon, June 6, 2002

<b>SYMPOSIUM 4 – WETLANDS AND CLIMATE CHANGE II – Sky Room</b>	
Moderator: Jon Kusler, Association of State Wetland Managers	
1:30-2:00	JAMES PATTERSON AND SIOBHAN FENNESSY <b>Panel: Results of Other Wetlands and Climate Change Workshops and Discussion Groups</b>
2:00-2:25	PATRICK MEGONIGAL <b>Elevated Carbon Dioxide Effects on Wetlands Globally</b>
2:25-2:50	VIRGINIA BURKETT <b>Historical and Projected Impacts of Climate Change on Wetland Forests in the United States</b>
2:50-3:15	JEFFREY R. WHITE, Robert D. Shannon, Scott D. Bridgham and Jason Keller <b>Effects of Soil Warming and Water Table Manipulation on Methane Cycling in Bog and Fen Mesocosms</b>
3:15-3:30	BREAK
3:30-3:55	NEIL PEDERSON, Ed Cook, Gordon Jacoby and Dorothy Peteet <b>On the Potential of Future Range Margin Tree Growth and Carbon Uptake in Forested Wetlands of the Hudson Valley, New York</b>
3:55-4:20	MERRITT R. TURETSKY <b>Permafrost Collapse in Western Boreal Forest</b>
4:20-4:45	ELAINE MATTHEWS <b>Climatic and Chemical Controls on Methane Emissions from Wetlands</b>

<b>SESSION 15: WETLAND FAUNA II – Olympic Room 4</b>	
Moderator: Lee Foote, University of Alberta	
1:30-1:50	CHUCK LANE, Benjamin Vivas, and Mark Brown <b>Assessing Herbaceous Depressional Wetland Condition Using Macroinvertebrates: Results from Florida</b>
1:50-2:10	NEIL HAUGERUD and Steven R. Chipps <b>A Macroinvertebrate Index of Biotic Integrity for Missouri River Floodplain Wetlands</b>
2:10-2:30	CHRISTINE RICE and A. Lee Foote <b>Investigating Odonates (Dragonflies and Damselflies) as Bioindicators of Aquatic Macroinvertebrate Communities and Habitat Quality at Prairie Wetlands</b>
2:30-2:50	JON HORNUNG and Lee Foote <b>Trophic Interactions and the Role of Predaceous Invertebrates in Western Boreal Wetlands</b>
2:50-3:10	OPEN
3:10-3:30	BREAK

## Thursday Afternoon, June 6, 2002 (continued)

<b>SESSION 16: WETLAND CREATION AND RESTORATION IV – <i>Mirror Lake Room</i></b>	
Moderator: Albert McCullough, Sustainable Science LLC	
1:30-1:50	SUSAN CARSTENN and Mark T. Brown <b>Soil Organic Matter Development in Reclaimed Wetlands on Phosphate Mined Lands</b>
1:50-2:10	ELIZABETH DOWSETT <b>A Carbon Balance of a Newly Created Wetland Habitat in Northern Ontario</b>
2:10-2:30	Sandra Scheda and DIANNE ROSENSWEIG <b>Comparative Success of Transplants Versus Nursery Stock for Hardwood Swamp Mitigation in West Central Florida</b>
2:30-2:50	AL HANSON <b>Chemical Limnology, Waterbird Community and Recreational Use of an Urban Constructed Wetland</b>
2:50-3:10	Lyndon C. Lee and DANIEL M. SPADA <b>Working Buffer: Enhancement and Restoration as Compensatory Mitigation in a Chronically Degraded Wetland</b>
3:10-3:30	BREAK
3:30-3:50	INGEBORG E. HEGEMANN, Patrick C. Garner and Michael J. Marcus <b>Early Succession in Wetland Restoration: Are the Data Predictive</b>
3:50-4:10	KELLY PHYLLAIER, Andrew Baldwin and Richard Hammerschlag <b>Seed Dispersal Pathways Following Reconstruction of a Tidal Freshwater Marsh</b>
4:10-4:30	BILL MAGDYCH and Jon Allan <b>Evaluation of Revegetation at Pipeline Crossings of Wetlands and Perspectives on Construction, Mitigation, and Monitoring Requirements</b>
4:30-4:50	ALBERT McCULLOUGH <b>Beneficial Use of Dredge Materials: Poplar Island Habitat Creation</b>

<b>SESSION 17: WETLAND VEGETATION IV – <i>High Peaks Room</i></b>	
Moderator: Sammy King, University of Tennessee	
1:30-1:50	ILONA LEYER <b>Predicted Changes in Floodplain Vegetation by Hydrological Regulation</b>
1:50-2:10	KENT B. WERLIN, Daniel E. Hubbard and Steven R. Chipps <b>A Floral Index of Biotic Integrity for Temporary and Seasonal Floodplain Wetlands</b>
2:10-2:30	NIJOLE PAULIUKONIS, Laura Gough and Deborah Goldberg <b>The Effects of Rhizome Severing on Growth of Four Clonal Sedges that Differ in Ramet Aggregation</b>
2:30-2:50	JESSICA PETERSON and Andrew Baldwin <b>A Landscape-level Characterization of Seed Bank-Vegetation Relationships in Tidal Freshwater Marshes and Swamps</b>
2:50-3:10	SAMMY L. KING <b>Processes of Bottomland Hardwood Degradation in West Tennessee</b>
3:10-3:30	BREAK
3:30-3:50	KARRO A. FROST <b>Monitoring Vegetative Response to Municipal Wells in Mansfield, Massachusetts</b>
3:50-4:10	GREGG SABLAK and Virginie Bouchard <b>Effect of Floodplain Connection and Riparian Vegetation on Biodiversity in Headwater Agricultural Ditches</b>
4:10-4:30	STÉPHANIE PELLERIN and Claude Lavoie <b>Recent Forest Expansion in Peatlands of Southeastern Québec</b>
4:30-4:50	Richard D. Rheinhardt, MARTHA CRAIG RHEINHARDT and Mark M. Brinson <b>Evaluating Condition of Wet Pine Flats in the Southeastern USA</b>

## Friday Morning, June 7, 2002

<b>SYMPOSIUM 4: WETLANDS AND CLIMATE CHANGE III - Sky Room</b>	
Moderator: Jon Kusler, Association of State Wetland Managers	
8:30-8:55	JON KUSLER <b>Overview of Management Options to Increase Carbon Sequestering, Reduce Methane, and Reduce the Impacts of Climate Change</b>
8:55-9:20	CARL TRETTIN <b>Management of Forested Wetlands to Improve Carbon Sequestering</b>
9:20-9:45	JIANBO CUI, Changsheng Li, Carl C. Trettin and Ge Sun <b>Integrating Hydrological Dynamics with Biogeochemical Processes in a Forested Wetland Model</b>
9:45-10:15	ESWARAN PADMANABHAN <b>Fire Prevention and Rehabilitation of Peatlands in Indonesia</b>
10:15-10:30	Break
10:30-10:55	CLAYTON RUBEC <b>Global Peatland Initiatives and Climate Change</b>
10:55-12:00	<b>Panel Discussion - Research Priorities and Needs</b>

<b>SYMPOSIUM 5: COASTAL WETLANDS OF THE GREAT LAKES – Olympic Room 4</b>	
Moderators: Tanya Mayer, National Water Research Institute, Environment Canada, and M. Munawar, Fisheries and Oceans Canada; Cosponsored by SWS and the Aquatic Ecosystem Health & Management Society	
8:40-8:50	<b>Introduction and Opening Remarks</b>
8:50-9:10	ALLAN CROWE <b>Groundwater Flow Regimes and Implications for Contaminant Transport in the Vicinity of Coastal Wetlands of the Laurentian Great Lakes</b>
9:10-9:30	DOUGLAS A. WILCOX <b>Implications of Hydrologic Variability on the Succession of Plants in Wetlands</b>
9:30-9:50	THOMAS M. BURTON, Donald G. Uzarski, John A. Genet, Craig A. Stricker and Kari J. Divine <b>Macroinvertebrates of Great Lakes Coastal Wetlands: Habitat Use in Relation to Wave Exposure and Plant Zonation</b>
9:50-10:10	DONALD G. UZARSKI and Thomas M. Burton <b>Modification and Validation of a Macroinvertebrate-Based Index of Biotic Integrity for Lake Huron Coastal Wetlands</b>
10:10-10:30	BREAK
10:30-10:50	THOMAS SIMON <b>Fish Communities as Indicators of Condition in Great Lakes Coastal Wetlands with Emphasis on Development of an Index of Biotic Integrity</b>
10:50-11:10	MARY F. MOFFETT, Naomi E. Detenbeck, Thomas P. Simon, Stacey L. Stark, Mark S. Pearson and Janet R. Keough <b>A GIS Approach to Identify and Classify Hydrogeomorphic Types of Coastal Wetlands of the Great Lakes</b>
11:10-11:30	JOHN M. FARRELL, Jason Toner, Alison Halpern, Brent Murry, Molly Beland and Don Leopold <b>Coastal Wetlands of the St. Lawrence River: The Cascading Effects of Interrupting the Natural Flow Regime</b>
11:30-11:50	KEVIN LOFTUS and Richard Smardon <b>Strategies for the Stewardship and Conservation of Great Lakes Wetlands</b>
11:50-12:00	<b>Conclusion</b>

## Friday Morning, June 7, 2002 (continued)

<b>SESSION 18: BIOREMEDIATION AND TREATMENT WETLANDS - <i>Olympic Room 3</i></b>	
Moderator: Paul Hook, Montana State University	
8:30-8:50	WINTHROP ALLEN, Paul Hook, Joel Biederman and Otto Stein <b>Temperature and Wetland Plant Species Effects on Wastewater Treatment and Root Zone Oxidation</b>
8:50-9:10	PAUL HOOK, Otto Stein, Winthrop Allen, Deborah Borden, Kate Riley, Janet Kowles and Joel Biederman <b>Plant Effects on Seasonal Performance of Model Treatment Wetlands: Consistent Processes Yield Contrasting Results for Different Contaminants</b>
9:10-9:30	HARRY H. KIM, Devendra A. Amatya, Stephen W. Broome, John E. Parsons, D. Keith Cassel and Dean L. Hesterberg <b>The Evaluation of Nitrogen Loading into Treatment Wetlands at the Outlet of an Agricultural Watershed</b>
9:30-9:50	ROBERT TRAVER <b>Use of Stormwater Wetlands to Restore an Urbanized Watershed</b>
9:50-10:10	ERIC A. NELSON, Winona L. Specht, James A. Bowers and John B. Gladdent <b>Use of Constructed Wetlands to Remove Heavy Metals from NPDES Outfall Effluent</b>
10:10-10:30	BREAK
10:30-10:50	RICHARD INOUYE, Andrew Ray, Scott Owen, Neil Poulson, Maribeth Watwood and Chris Hoag <b>Vegetative Development and Water Treatment in a Constructed Wetland Receiving Irrigation Return Flows</b>
10:50-11:10	WENDY GAGLIANO and Jerry M. Bigham <b>Porewater Chemistry Within the Sediment Column of a Wetland Constructed for Acid Mine Drainage Treatment</b>
11:10-11:30	CHARLES W. WALKER and Robert D. Shannon <b>The Effect of Organic Amendments on Nutrient Removal in Constructed Wetland Soils</b>
11:30-11:50	LAUHLAN FRASER and David Steer <b>Efficiency of Single-family Domestic Treatment Wetlands in Ohio</b>

<b>WORKSHOP: WETLAND CREATION AND RESTORATION METHODS – <i>Mirror Lake Room</i></b>	
Moderator: Terry Doss, The Louis Berger Group	
8:30-8:45	<b>Introduction</b>
8:45-9:15	KIMBERLY FARRELL <b>The Wetlands Reserve Program in New York State: Ten Years of Restoring Wetlands</b>
9:15-9:45	KURT WEISKOTTEN <b>Innovative NYSDOT Wetland and Natural Resource Stewardship Activities</b>
9:45-10:15	JOHN TEAL, Lee Weishar, Ray Hinkle, Brenda Evans and Ken Strait <b>The Role of Adaptive Management in an Ongoing Wetlands Restoration Project</b>
10:15-10:30	BREAK
10:30-11:00	RICHARD K. MOGENSEN <b>Providing Quality Wetland Mitigation For The Transportation Industry Through Mitigation Site and Bank Development</b>
11:00-11:30	SANDRA C. DOYLE-AHERN <b>Wetland Restoration for Stormwater Management</b>
11:30-12:00	TERRY DOSS <b>Wetland Restoration and Creation: Putting It All Together</b>