

Wetlands, Water Resources, and People
South Atlantic/ Mid-Atlantic SWS Joint Chapter Meeting
 USGS National Center, 12201 Sunrise Valley Drive, Reston, VA 20192
REVISED AGENDA **

Monday, March 7, 2010 – Morning

8:00 – 9:00	<i>Registration - Coffee/tea and light breakfast available</i>		
9:00 – 9:30	Dallas L. Peck Memorial Auditorium: Welcome Presentation and Facility and Conference Information		
9:30 – 10:00	Keynote Speaker in Dallas L. Peck Memorial Auditorium: Christopher Craft, Indiana University, SWS Past-President <i>Challenges and Opportunities for Wetland Scientists in the 21st Century</i>		
10:00 – 10:20	<i>Break - Beverages and light refreshments available</i>		
10:20 – 11:45	Concurrent Sessions		
	Dallas L. Peck Memorial Auditorium	Visitors Center	Room BA102A
	Floodplain Wetlands	Assessing the Condition of Wetlands at the State, Regional, and National Scale	Wetland Partnerships
10:20 – 10:25	Moderator introduction – Scott Ensign	Moderator introduction – Amy Jacobs	Moderator introduction – Joe Berg
10:25 – 10:45	Noe, G. - <i>Hydrogeomorphic Controls of Soil Nutrient Mineralization in Floodplain Wetlands</i>	Jacobs, A. - <i>Wetland Assessment and Integration of Results into Watershed Restoration Plans at the State Level</i>	Mogenson, R. - <i>Richard P. Kane Wetland mitigation Bank: A Successful Public/Private Partnership</i>
10:45 – 11:05	Rybicki, N. - <i>Difficult Run Floodplain Study: The Effects of Vegetation on Cycling and Trapping of Nutrients</i>	Chamberlain, S. - <i>Tools of the Trade: Contributions to the Field of Wetland Monitoring and Assessment</i>	Du Bois, K. - <i>The Success of Community-Based Tidal Wetland Restoration Projects - Unleashing the Potential of Collaboration!</i>
11:05 – 11:25	Hupp, C. - <i>Bank Erosion and Floodplain Deposition Dynamics on Difficult Run, VA: A Piedmont Stream in the Chesapeake Bay Watershed</i>	Chamberlain, S. - <i>Developing Coefficients of Conservatism to Advance Floristic Quality Assessment in the Mid-Atlantic Region</i>	Trulick, J. – <i>Mitigation Considerations in Civil Works Planning</i>
11:25 – 11:45	<i>Open (Lunch)</i>	Scozzafava, M. - <i>The National Wetland Condition Assessment: National Data on Wetland Quality To Inform and Improve Wetlands Protection</i>	<i>Open (Lunch)</i>
11:45 – 1:15	<i>Lunch on your own in USGS cafeteria or nearby fast food</i>		
12:00 – 12:45	<i>SAC Chapter meeting in Room BA102A (next to cafeteria). Bring your lunch!</i>		
	<i>MAC Chapter meeting in Room BA102BC (next to cafeteria). Bring your lunch!</i>		

****Due to last minute changes in travel plans for some Government employees, the conference agenda has been slightly revised. Please refer to this agenda rather than the agenda printed in your program. Sorry for the inconvenience. Have a great conference!**

Monday, March 7, 2010 – Afternoon

1:15 – 2:40			
Concurrent Sessions			
	Dallas L. Peck Memorial Auditorium	Visitors Center	
	Functional Development of Created Mitigation Bank Wetlands	Impacts of Sea Level Rise on Coastal Ecosystems in the Southeastern U.S.	
1:15 – 1:20	Moderator introduction – Changwoo Ahn	Moderator introduction – Alex Chow	
1:20 – 1:40	Peralta, R. – <i>Bacterial Community Structure and Physicochemistry of Soils as Affected by Hydro-connectivity and Age in Created Mitigation Wetlands</i>	Chow, A. - <i>Sea Level Rise Enhances Halocarbon Production in Low-Lying Coastal Ecosystems in the Southeastern US</i>	
1:40 – 2:00	Dee, S. – <i>Relationship Between Structural and Functional Measures of Vegetation as Affected by Hydro-connectivity in Mitigation Bank Wetlands</i>	Duberstein, J. - <i>Salinity Affects Growth and Water Use of Mature Baldcypress Trees in Freshwater Tidal Swamps</i>	
2:00 – 2:20	Noe, G. - <i>Assessing Controls of Nitrogen Dynamics in Created and Natural Wetlands in the Virginia Piedmont, USA</i>	Williams, T. - <i>Visualization of Historical Forest - Marsh Transitions in Coastal South Carolina</i>	
2:20 – 2:40	Petru, B. - <i>Changes in Soil Hydrologic Properties Due to Construction Processes with Mitigation Bank Wetlands in Virginia</i>	Howard, R. - <i>Sea-level Rise, Landscape Change, and Mangrove Encroachment onto Marsh in Ten Thousand Islands National Wildlife Refuge</i>	
2:40 – 3:00	<i>Break - Beverages and light refreshments available</i>		
3:00 – 4:25			
Concurrent Sessions			
	Dallas L. Peck Memorial Auditorium	Visitors Center	Room BA102A
	Wetland Hydrology	Functions and Models of Created Forested Wetlands of Piedmont, Virginia	Coastal Wetlands
3:00 – 3:05	Moderator introduction – Mike Piehler	Moderator introduction – James Perry	Moderator introduction – Joe Berg
3:05 – 3:25	Speiran, G. - <i>Using Hydrologic Information to Assist in Restoring a Pocosin Habitat</i>	Whittecar, R. - <i>Progress on a MODFLOW-based Package of Wetland Water Budget Tools</i>	Du Bois, K. - <i>Living Shoreline Erosion Control as a Buffer to Tidal Wetland Losses from Sea Level Rise - A Review of Completed Projects</i>
3:25 – 3:45	Shea, C. - <i>Tying Wetland Hydrology to Water Supply Decisions</i>	Daniels, W. - <i>What's the Best Way to Monitor Depth to Saturation in Clayey Soils?</i>	Jenner, B. - <i>Controls on Tidal Inlet Characteristics for Chesapeake Bay Tidal Marshes and Lagoons</i>
3:45 – 4:05	Prestegaard, K. - <i>Hydraulic Properties of Riparian Wetland Soils and Implications for Restoration</i>	Hudson, H. - <i>Growth and Survival of Seven Wetland Tree Species in Three Hydrologically Distinct Habitats</i>	Rowan, J. - <i>Coastal Wetland Mosaic on the Sandy Hook Terminal Barrier Spit</i>
4:05 – 4:25	<i>Poster Session</i>	Wurst, S. - <i>Tree Survival and Growth in Created Wetland Mitigation Sites in Virginia: A Field Validation Study</i>	<i>Poster Session</i>

Monday, March 7, 2010 – Afternoon, Continued

4:05 – 6:00	Poster Session – Dallas L. Peck Memorial Auditorium	
	Bhomia, R.	<i>Long-term Storage of Soil Nutrients in the Stormwater Treatment Areas of the Everglades Basin</i>
	Bauman, J.	<i>Wetland Restoration Initiatives at the Wilds</i>
	Bealing, K.	<i>Carbon Sequestration in Wetlands: Developing a Carbon Budget for the Urban, Piedmont Floodplains of Difficult Run, Virginia</i>
	Charles, S.	<i>Quantifying Growth and Survival of Wetland Tree Species Grown Under Separate Hydrological Regimes</i>
	Clark, J.	<i>Effects of Salinity and Nutrients on Competition between Phragmites australis and Spartina cynosuroides</i>
	Conner, W.	<i>Understanding Relationships Between Sediment and Carbon Deposition and Floodplain Forest Functions in the Congaree National Park, SC</i>
	Conner, W.	<i>Climate Change and Tidally Influenced Freshwater Forested Wetlands of the Southeastern US: Understanding Functional Ecological Processes of Forest Transitions to Marsh</i>
	Detraz, J.	<i>Carbon Dioxide, Nitrous Oxide and Methane Fluxes from an Agricultural Field Prior to Wetland Restoration</i>
	Kirkman, K.	<i>Relationship of species richness among taxa in southeastern U.S. isolated wetlands</i>
	Petru, B.	<i>Water Distribution in Constructed Wetland Soil Profiles</i>
	Whittecar, R.	<i>Historical Groundwater Fluctuation in Suffolk, Virginia Simulated Using Effective Monthly Recharge (Wem) Mode</i>
6:00	<i>Dinner on your own in Reston Town Center</i>	

Tuesday, March 8, 2010 – Morning

8:00 – 9:00	<i>Registration - Coffee/tea and light breakfast available</i>		
9:00 – 10:05	Concurrent Sessions		
	Dallas L. Peck Memorial Auditorium	Visitors Center	Room BA102A
	Wetlands Mapping	Restoring Ecological Functions in Urban Watersheds: Fact or Fiction?	Sediment Dynamics
9:00 – 9:05	Moderator introduction – Megan Lang	Moderator introduction – Curtis Richardson	Moderator introduction – Cliff Hupp
9:05 – 9:25	Kayastha, N. - <i>A Trajectory Based Change Detection Method to Identify and Characterize Wetland Change in Virginia</i>	McHugh, A. - <i>Assessing College Campus Water Management</i>	Schenk, E. - <i>Sediment Dynamics in Restored and Channelized Reaches of the Kissimmee River Basin, Florida</i>
9:25 – 9:45	Jones, J. - <i>Characterization of Upper Flint River Water Body Dynamics for Hydrologic and Aquatic Habitat Modeling</i>	Richardson, C. - <i>Restoration of Riparian and Stream Ecosystem Functions in an Urban College Campus: The Duke University Outdoor Wetlands Laboratory Case Study</i>	Allen, J. - <i>Comparison of Short and Long-term Accretion Rates Along a Salinity Gradient in a Chesapeake Bay Sub-estuary</i>
9:45 – 10:05	Awl, J. - <i>Implementation of National Standards for the Mapping and Classification of Wetlands</i>	Flanagan, N. - <i>Anabranching Treatment Wetlands: Using Integrated Riparian Restoration Strategies to Improve Water Quality</i>	Semcheski, M. - <i>Microphytobenthos and their Contribution to Chesapeake Bay Primary Productivity</i>
10:05 – 10:30	<i>Break - Beverages and light refreshments available</i>		

Tuesday, March 8, 2010 – Morning, Continued

10:30 – 11:55			
Concurrent Sessions			
	Dallas L. Peck Memorial Auditorium	Visitors Center	Room BA102A
	Wetlands Mapping (Continued)	Restoring Ecological Functions in Urban Watersheds: Fact or Fiction? (Continued)	Wetland Biogeochemistry
10:30 – 10:35	Moderator introduction – Megan Lang	Moderator introduction – Curtis Richardson	Moderator introduction – Mike Piehler
10:35 – 10:55	Lang, M. - <i>LiDAR Based Wetness Indices for Improved Management of Agricultural Wetlands</i>	Bills, J. - <i>The Impact of Stream Restoration on Water Quality and Greenhouse Gas Emissions in an Urban Watershed</i>	McMillan, S. - <i>Influence of Stormwater Wetlands on Instream Nitrogen Transformation in Urban Streams</i>
10:55 – 11:15	Newcomb, D. - <i>Explorations in the Enhancement of Mapping Technologies for NWI Mapping</i>	Ho, M. - <i>Vegetation Dynamics and Succession Outlook in a Restored Urban Wetland Complex</i>	Hartman, W. - <i>Distribution and Dynamics of Microbial Polyphosphate Accumulation in Wetland Soils Compared to Terrestrial and Aquatic Ecosystems: A 31P NMR study</i>
11:15 – 11:35	Koeln, G. - <i>Monitoring Wetland Changes Using Multitemporal Landsat Change Detection, Web Mapping Services, and Crowd Sourcing</i>	Winton, S. - <i>The Effects of Urban Stream and Riparian Restoration on summer and Winter Avian Populations</i>	Elsley-Quirk, T. - <i>Denitrification in an Urban Tidal Fresh Water Wetland of Delaware Bay</i>
11:35 – 1:15	<i>Lunch on your own in USGS cafeteria or nearby restaurant</i>		
12:00 – 1:00	<i>Wetland Mapping Consortium (WMC) meeting in room BA102 (next to USGS cafeteria). Bring your lunch!</i>		
12:00 - 1:00	<i>Student Lunch Meeting in the Auditorium. Bring your lunch!</i>		

Tuesday, March 8, 2010 – Afternoon

1:15 – 3:00			
Concurrent Sessions			
	Dallas L. Peck Memorial Auditorium	Visitors Center	Room BA102A
	Nitrogen Dynamics in Wetlands	Wetland Research in West and Central Florida	The Role of Wetland Vegetation
1:15 – 1:20	Moderator introduction – Joe Berg	Moderator introduction – Christina Uranowski	Moderator introduction – William Conner
1:20 – 1:40	Jordan, T. - <i>Assessing Denitrification in Whole Watersheds from Stream Water N₂ and Isotopes in Nitrates</i>	Uranowski, C. - <i>Use of LiDAR for Wetland Hydrologic Analysis</i>	Conner, W. - <i>Growth and Mortality of Sub-canopy Baldcypress (Taxodium distichum [L.] Rich.) Released in Artificial Canopy Gaps in a North Carolina Swamp</i>

Tuesday, March 8, 2010 – Afternoon, Continued

1:40 – 2:00	Bullock, A. - <i>Estimating Denitrification from N₂ Fluxes through Agricultural Drainage Ditches</i>	Emery, S. - <i>Use of Lichen Lines and Normal Pool Indicators in Isolated Cypress Wetlands to Evaluate Wetland Impacts</i>	Needelman, B. - <i>Prescribed Burns Promote Sedge Plant Production Through the Mechanism of Canopy Removal in Marshes at the Blackwater National Wildlife Refuge</i>
2:00 – 2:20	Gustafson, A. - <i>Farmed Wet Spots and Flow Controlled Drainage Ditches, Areas of Enhanced NO₃ Reduction?</i>	Willis, D. - <i>Refining Wetland Plant Zonation Classification to Improve a Wetland Assessment Procedure</i>	Atkinson, R. - <i>Compensation for an Endangered Ecosystem: Monitoring Structural Replacement of Atlantic White Cedar Swamps</i>
2:20 – 2:40	Fox, R. - <i>Nutrient and Dissolved Gas Concentrations and Fluxes in Groundwater Across Restored Riparian Wetland Transects in the Choptank River Basin</i>	Emery, S. - <i>Lake Surface Area, Shoreline Habitat, Water Quality, and Bird Species Richness</i>	Piebler, M. - <i>Assessing the Function of a Wetland Constructed to Treat Agricultural Runoff</i>
2:40 – 3:00	Fisher, T. - <i>A Comparison of Groundwater Properties in Natural Wetlands, Restored Wetlands and Well Drained Agricultural Land in the Choptank Basin</i>	2:40 – 2:50 SWS SAC/MAC Joint Meeting wrap-up given by the session moderator	
3:00 – 3:10	SWS SAC/MAC Joint Meeting wrap-up given by the session moderator		

***Be safe and happy travels home or wherever you may be heading.
Please don't forget to complete a Conference Survey.***