

10 – 11:30 am

Plant Guild and Functional Group Frameworks in Riparian and Wetland Management and Restoration: Models and Applications, Part 1 of 2 • 553

Moderators Daniel Sarr, David Merritt

10:10 – 10:30 am

R16 Functional Groups in Wetland and Riparian Plants: A Strategic Perspective

Paul Keddy, Independent Scholar

10:30 – 10:50 am

R17 Effects of Flow Regulation on Numbers and Functions of Riparian Plants

Maria Dolores Bejarano, Umeå University

10:50 – 11:10 am

R18 Advances and Limitations on Modelling the Effects of Flow Disturbance in Riparian Forests of Mediterranean Europe

Francisca Aguiar, University of Lisbon

11:10 – 11:30 am

R19 Riparian Functional Guild Responses to Hydroclimatic Change in the Columbia River Basin

Nate Hough-Snee, Utah State University

10 – 11:30 am

Post Superstorm Sandy Reflections • Ballroom E

Moderator Ellen Hartig

10:10 – 10:30 am

R20 Hurricane Sandy (2012): Meteorology, Impacts and Climate Context

Adam Sobel, Columbia University

10:30 – 10:50 am

R21 Modeling Hurricane Impacts on Salt Marsh Morphology in Jamaica Bay, New York City

Hongqing Wang, U.S. Geological Society

10:50 – 11:10 am

R22 Coastal Wetlands in NYC Post-Sandy: Resilience and Restoration

Marit Larson, New York City Parks

11:10 – 11:30 am

R23 Re-Envisioning Restoration and Resilience in a Post-Sandy World

Nicole Maher, The Nature Conservancy

## CONTRIBUTED SESSIONS

10:10 – 11:30 am

Invasive Species, Part 1 of 3 • 555 A

10:10 – 10:30 am

R24 Does Genetic Diversity of *Lythrum Salicaria* Help Explain Heightened Performance and/or Phenotypic Plasticity in Invasive Populations?

Steven Travis, University of New England

10:30 – 10:50 am

R25 Ecological Impacts of Native and Exotic Floating Macrophytes in a Rapidly Subsiding Floodplain Forest

Brooklyn Krings, Southern Illinois University - Carbondale

10:50 – 11:10 am

R26 Rapid Response to Invasive Aquatic Plants: The EDRR Experience

Phyllis Higman, Michigan Natural Features Inventory

11:10 – 11:30 am

R27 Assessing Vegetative Propagation as it Impacts Potential Spread in Flowering Rush (*Butomus Umbellatus*)

Gary Ervin, Mississippi State University

10:10 – 11:30 am

Restoration, Creation, Mitigation, and Restorative Development, Part 8 of 10 • 554

10:10 – 10:30 am

R28 Hydrologic Restoration and Management of Emergent Wetlands in the Arid West: Insights From a Condition Assessment of Great Salt Lake Wetlands

Rebekah Downard, Utah State University

10:30 – 10:50 am

R29 The Importance of a Designated Specialist During Stream and Wetland Construction

David Merkey, Greenman-Pedersen, Inc

10:50 – 11:10 am

R30 Planted Tree Survival and Growth Across a Hydrologic Gradient in a Southern Illinois Floodplain Reforestation Site

Adrianna Krzywicka, University of Illinois at Urbana-Champaign

11:10 – 11:30 am

R31 Restoration of Tidally Restricted Salt Marshes at Rumney Marsh: Balancing Flood Protection with Marsh Restoration by Use of Self-Regulating Tide Gates

Edward Reiner, U.S. Environmental Protection Agency

10:10 – 11:30 am  
Wetland Vegetation Dynamics or Succession,  
Part 2 of 4 • 552 A

- 10:10 – 10:30 am  
R32 Predicting Seed Bank Emergence Within Flooded Zones of Lake Ontario Wetlands Under Novel Hydrologic Conditions  
*Brad Mudrzynski, State University of New York - Brockport*

- 10:30 – 10:50 am  
R33 The Effect of Flood Depth on Decomposition of Phragmites Australis  
*Jan Vymazal, Czech University of Life Sciences Prague*

- 10:50 – 11:10 am  
R34 Hydrology Dominates, but Predicting Vegetation Remains Elusive  
*Donald Ferlow, State University of New York*

- 11:10 – 11:30 am  
R35 Low Salinity Marsh Vegetation Response to Sea-Level Rise in the Delaware Bay Estuary  
*Lori Sutter, Villanova University*

## SYMPOSIA

I – 2:30 pm  
Effective Communication and Stakeholder Engagement,  
Part 2 of 3 • 556 A

*Moderators Ben LePage, Tracy Craig*

- 1:10 – 1:30 pm  
R40 Marsh Arabs and Mesopotamian Marshes: Building Resiliency into Cultural and Ecological Systems  
*Michelle Stevens, Sacramento State University*

- 1:30 – 1:50 pm  
R41 Large Scale and Long Term: Stakeholder Involvement in the Restoration of South San Francisco Bay  
*John Bourgeois, California State Coastal Conservancy*

- 1:50 – 2:10 pm  
R42 Community Engagement to Deliver Effective Wetland Restoration - A Partnership Project on the River Swilgate, UK  
*Matthew Simpson, WWT Consulting*

I – 2:30 pm  
Plant Guild and Functional Group Frameworks in Riparian and Wetland Management and Restoration: Models and Applications, Part 2 of 2 • 553

*Moderators Daniel Sarr, David Merritt*

- 1:10 – 1:30 pm  
R43 Riparian Vegetation-Flow Response Guilds for the Colorado River Ecosystem in Grand Canyon, Arizona: A Novel Approach to Riparian Vegetation Analysis  
*Daniel Sarr, U.S. Geological Survey*

- 1:30 – 1:50 pm  
R44 Identification of Plant Functional Groups Along Gradients of Anthropogenic Disturbance: Implications for Restoration and Conservation  
*Siobhan Fennessy, Kenyon College*

- 1:50 – 2:10 pm  
R45 Traits for Restoration: A Meta-Analysis of the Relationship Between Plant Community Functional Composition and Ecosystem Function in Restored Wetlands  
*Saras Windecker, University of Melbourne*

- 2:10 – 2:30 pm  
R46 Vegetation State Changes in Inland and Coastal Riparian and Wetland Ecosystems: Implications for Ecosystem Carbon Retention  
*Sean Charles, Florida International University*

I – 2:30 pm  
Wetlands Vulnerability to Climate Change & Creating Resiliency • Ballroom E

*Moderator Samuel Bell, Michele Simoneux*

- 1:10 – 1:30 pm  
R47 Using High Resolution, Hydrodynamic Numerical Modeling for Assessing Natural and Nature-Based Features for Coastal Resiliency  
*Daniel Stapleton, GZA GeoEnvironmental, Inc*

- 1:30 – 1:50 pm  
R48 Setting Priorities for Nature-Based Solutions  
*Hande Caliskan, GZA GeoEnvironmental, Inc*

- 1:50 – 2:10 pm  
R49 Building Resiliency Design into Coastal Wetland Restoration Projects  
*Michele Simoneaux, GZA GeoEnvironmental, Inc*

- 2:10 – 2:30 pm  
R50 Planning for the Sustainability of Wetlands in a Changing Climate  
*Samuel Bell, GZA GeoEnvironmental, Inc*

*Program Book*



Annual Meeting 2015

**SOCIETY OF  
WETLAND SCIENTISTS**

Providence, Rhode Island, May 31 - June 4

*Changing climate. Changing wetlands.*

[www.swsannualmeeting.org](http://www.swsannualmeeting.org)