

October 12 Version	SC Water Resources Conference Schedule - (Day 1) Wednesday, October 13				
7:30 a.m.	Registration Opens				
8:30-10:00	<p style="text-align: center;">Welcome Morning Plenary Session - "Protecting the Value of Our Water Resources: Oil Spill Planning and Response in South Carolina" Captain Michael F. White, Jr. - <i>Commanding Officer, Charleston Sector, US Coast Guard</i> David Baize - <i>Assistant Bureau Chief, SC DHEC Bureau of Water</i> Geoffrey I. Scott, Ph.D. - <i>Director, NOAA Center for Coastal Environmental Health and Biomolecular Research (Ballroom A)</i></p>				
10:00-10:15	Morning Break				
	TRACK 1 Water Policy & Planning <i>Lexington Room A</i>	TRACK 2 River Basin & Stream Systems <i>Lexington Room B</i>	TRACK 3 Stormwater <i>Richland Room A</i>	TRACK 4 Water Use Management & Permitting <i>Richland Room B</i>	TRACK 5 Water Quality & Monitoring <i>Richland Room C</i>
TRACK CHAIR	Jeff Allen Clemson University	Gene W. Eidson Clemson University	Calvin Sawyer Clemson University	Mihir Mehta SC DHEC	Madilyn Fletcher University of South Carolina
10:15-11:45	Session 1 Regional Water Management	Session 1 Toxicology	Session 1 Green Infrastructure	Session 1 Permitting Issues	Session 1 Water Treatment
Moderator	<i>Matt Laws</i> US Army Corps of Engineers	<i>Tim Callahan</i> College of Charleston	<i>Craig Hesterlee</i> EPA, Region IV	<i>Mihir Mehta</i> SC DHEC	<i>Denise Sanger</i> SC Sea Grant Consortium
Presenter 1	Wilbert V. Paynes US Army Corps of Engineers Improvements and New Developments in Corps of Engineers Water Resources Planning Methodologies and Processes	Dennis Jackson Savannah River National Laboratory Trends in Atmospheric Mercury Deposition in the Southeast	Gene Eidson Clemson University The City of Aiken, SC Green Infrastructure Project: A Collaborative Team Approach to Implementing Green Infrastructure Practices	David Baize SC DHEC The Surface Water Permitting Experience in South Carolina	Oscar Flite Southeastern Natural Sciences Academy Results of a Tracer Study Conducted within Constructed Wetlands with Varying Cell Characteristics
Presenter 2	Caitlin Dyckman Clemson University South Carolina v. North Carolina: Going with the Flow	Paul Bradley USGS Comparison of Methylmercury Ecology in Adjacent Coastal Plain Rivers in South Carolina	Dan Hitchcock Clemson University Green Infrastructure Assessment Tools for Varying Scales in Coastal South Carolina	John Durkee Environmental Engineering Sciences, LLC The Increasing Impact of 303(d) Stream Impairments on NPDES Permit Limits	Margaret Millings Savannah River National Laboratory Detoxification of Outfall Water Using Natural Organic Matter
Presenter 3	LTC Jason Kirk US Army Corps of Engineers An Overview of the South Carolina Water Resources Consortium: Functions and Benefits	Alan Jones Clemson University Water and Sediment Metal Contamination in Small Watersheds in South Carolina - Land Cover Relationships	Brad Putman Clemson University Field Performance of Porous Pavements in South Carolina	Joshua B. Gilman MACTEC, Inc. New Stream Mitigation Requirements in Coastal SC - Providing Mitigation in an Atmosphere of Dynamic Policy and Emerging Science	Eric Nelson Savannah River National Laboratory Constructed Wetland Treatment Systems for Water Quality Improvement
Presenter 4 or Panel	MODERATED PANEL SESSION	Michael Paller Savannah River National Laboratory Ecological Risk Assessment of Metals in Savannah River Tributaries on the Savannah River Site	MODERATED PANEL SESSION	MODERATED PANEL SESSION	W. Fred Falls USGS Applying Gore-Tex Technology for Rapid Contaminant Assessments at Fort Gordon, Georgia
11:45-1:15	<p style="text-align: center;">Lunch Plenary Session - SC Governorial Candidate's Views on Water Resource Issues Facing South Carolina (12:00-12:30) Senator Vincent A. Sheheen, <i>District 27 - Chesterfield, Kershaw & Lancaster Cos.</i></p>				

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1:30-3:00	Session 2 Flood Issues	Session 2 Morphology / Restoration	Session 2 Emerging Treatment Options	Session 2 Managing Ground Water	Session 2 Cyberinfrastructure / Data Management / Applications
Moderators	<i>Jeff Allen</i> <i>Clemson University</i>	<i>Noel Hurley</i> <i>USGS</i>	<i>Katie Giacalone</i> <i>Clemson University</i>	<i>Mike Harrelson</i> <i>Santee Cooper</i>	<i>Madilyn Fletcher</i> <i>University of South Carolina</i>
Presenter 1	Jeff Dobur National Weather Service An Analysis of Past River Flooding at Select National Weather Service River Forecast Locations in South Carolina	Michael Paller Savannah River National Laboratory Ecological Reference Models for Blackwater Streams: a Prerequisite for Successful Ecosystem Recovery and Management	Matt Huddleston ENTRIX, Inc. Constructed Treatment Wetlands and Water Effect Ratio Study to Achieve Storm Water Compliance at Savannah River Site	Paul Bristol SC DHEC SC Department of Health and Environmental Control Groundwater Use and Capacity Use Program	Madilyn Fletcher University of South Carolina Making the Most of Information from Environmental Monitoring Systems
Presenter 2	Paul Conrads USGS USGS Hurricane Storm-Surge Monitoring Networks: An Example from Hurricane Rita	Joe Berg Biohabitats, Inc. Baseflow Stream Channel Design: An Approach to Restoration That Optimizes Resource Values and Ecosystem Services	Paul Moore Ward Edwards, Inc. Retrofitting Regional Stormwater Quality BMPs for Bacteria Treatment and Volume Control in Beaufort County	Bruce Campbell USGS Development of a Conceptual Model of Groundwater Flow, Chesterfield County, South Carolina	Derk Bergquist Marine Resources Research Institute The Scientific Method in Locally-Based Monitoring Programs: Lessons Learned from the Analysis of Water Quality Data from the May River
Presenter 3	Toby Feaster USGS Importance of Record Length with Respect to Estimating the 1-Percent Chance Flood	Dave Fuss Horry County Stormwater Crabtree Swamp Stream Restoration in Horry County, South Carolina	Allen Ward Ward Edwards, Inc. Evapotranspiration as a Stormwater Management Strategy	Brenda Hockensmith SC DNR The Potentiometric Surfaces of the Black Creek and Middendorf Aquifers of South Carolina: A Historical Perspective	David White Clemson University Real-Time Quality Control (QC) Processing, Notification, and Visualization Services Supporting Data Management of the Intelligent River©
Presenter 4 or Panel	MODERATED PANEL SESSION	Erika Hollis Upstate Forever Floodplain Restoration Bank: Improving Water Quality by Reducing Parking Requirements	Dean Audet Fuss & O'Neill, Inc. Example of Rhode Island Effort to Address Stormwater Impairments with Structural Controls	Harriet Gilkerson SC DHEC Groundwater Use and the Need for a State-Wide Groundwater Level Monitoring Network in South Carolina	Samuel Esswein Clemson University Augmenting Hydrologic Information Systems with Streaming Water Resource Data
3:00-3:15	Afternoon Break				

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	TRACK 1 Water Policy & Planning <i>Lexington Room A</i>	TRACK 2 SPECIAL SESSION <i>Lexington Room B</i>	TRACK 3 Stormwater <i>Richland Room A</i>	TRACK 4 Water Use Management & Permitting <i>Richland Room B</i>	TRACK 5 Water Quality & Monitoring <i>Richland Room C</i>
3:15-4:45	Session 3 Drought Issues	Session 3 Hypoxia in Long Bay, SC	Session 3 Assessment and Modeling	Session 3 Hydrographic Data Sets	Session 3 Monitoring: Contaminant Levels I
Moderators	<i>Matt Laws US Army Corps of Engineers</i>	<i>Denise Sanger SC Sea Grant Consortium</i>	<i>Matt Huddleston ENTRIX, Inc.</i>	<i>Colt Bowles US Army Corps of Engineers</i>	<i>Jack Mayer Savannah River National Laboratory</i>
Presenter 1	Hope Mizzell SC DNR Addressing Monitoring Needs for Drought Management	Susan Libes Coastal Carolina University Hypoxia in the Nearshore Coastal Waters of South Carolina Along the Grand Strand	Anne Blair NOAA Hollings Marine Laboratory Stormwater Runoff - Modeling Impacts of Urbanization and Climate Change	Paul Conrads USGS Data Mining for Water Resource Management: Part 1 - Answering Contemporary Questions with Historical Databases	Paul Bradley USGS Potential for Biodegradation of Contaminants of Emerging Concern in the Environment
Presenter 2	Erik Kabela University of South Carolina Downscaling Climate Change Information for Water Resources	Eric Koepfler Coastal Carolina University Surface Water and Depth Profile Spatial Patterns of Hypoxia Development Along the Grand Strand, South Carolina	Kevin Conlon USGS Design and Approach of a Storm Runoff Investigation at Selected South Carolina Department of Transportation Maintenance Yards	Edwin Roehl Advanced Data Mining International, LLC Data Mining for Water Resource Management: Part 2 - Methods and Approaches to Solving Contemporary Problems	James Glover SC DHEC Factors Contributing to the Temporal Trends in Tissue Mercury Levels in Largemouth Bass from Lake Murray, SC
Presenter 3	Kirsten Lackstrom University of South Carolina / CISA Coastal Ecological Impacts of Drought - Needs for a Drought Early Warning System	George Voulgaris University of South Carolina Physical Oceanographic Constraints Contributing to the Development of Low Oxygen Events in Long Bay, SC	Michael Meadows University of South Carolina Critical Assessment of Management Practices and Policies for Stormwater and Sediment Ponds in South Carolina	John Cook Advanced Data Mining International Using "Big Data" to Optimally Develop Water Quality Temperature TMDLs for Expansive Areas	Aaliyah Green Southeastern National Sciences Academy Tissue Distribution and Maternal Transfer of Mercury in Diamondback Terrapins With Implications for Human Health
Presenter 4 or Panel	Toby Feaster USGS The 7Q10 in South Carolina Water-Quality Regulation: Nearly 50 Years Later	Denise Sanger SC Sea Grant Consortium Biological Regulation in the Formation of Hypoxia	Calvin Sawyer Clemson University Bacteria in Construction Site Sediment Basins	Gary Merrill USGS Panel Discussion of the South Carolina Hydrographic Data Users Group	Don Vrobesky USGS Sewers as a Source and Sink of Chlorinated-Solvent Groundwater Contamination, Marine Corps Recruit Depot, Parris Island, SC
5:30-7:00	Reception & Poster Session (Lower Level)				

SC Water Resources Conference Schedule - (Day 2) - Thursday, October 14					
7:30 a.m.	Registration Opens				
8:15-8:30	Welcome & Conference Remarks				
8:30-10:00	Morning Plenary Session - "Legislative Viewpoints on Water Resource Issues Facing South Carolina" (Moderator) Senator Paul G. Campbell, Jr., District 44 - Berkeley Co. Senator Phil P. Leventis, District 35 - Lee & Sumter Cos. Representative Don C. Bowen, District 8 - Anderson & Oconee Cos. (Ballroom A)				
10:00-10:15	Morning Break				
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TRACK CHAIR	Jeff Allen Clemson University	Gene W. Eidson Clemson University	Calvin Sawyer Clemson University	Mihir Mehta SC DHEC	Madilyn Fletcher University of South Carolina
10:15-11:45	Session 4 Coastal Issues	Session 4 Salinity Intrusion / Climate Change	Session 4 Stormwater Policy and Planning	Session 4 Irrigation Issues	Session 4 Monitoring: Contaminant Levels II
Moderators	Jeff Allen Clemson University	Tim Callahan College of Charleston	Rheta Geddings DiNovo SC DHEC	Dean Moss Beaufort Jasper Water & Sewer	Bud Badr SC DNR
Presenter 1	M. Richard DeVoe S.C. Sea Grant Consortium The South Atlantic Alliance: A Southeastern U.S. State Governors Initiative to Address Regional Coastal and Ocean Resource Issues	Paul Conrads USGS Development of Decision Support Systems for Estimating Salinity Intrusion Effects due to Climate Change on the South Carolina and Georgia Coast	John Hayes Clemson University Enhancing Land Development Decision- Making to Reduce Water Quality Impacts	Hamid Farahani Clemson University Agroclimate Tools for South Carolina	James Landmeyer USGS Contamination of Groundwater by the Fumigants Ethylene Dibromide (EDB) and Dibromochloropropane (DBCP) near McBee, SC
Presenter 2	Dwayne Porter University of South Carolina Recreational Beach Bacteria Modeling and Forecasting and the Consequences to Public Health and Economic Vitality	John Cook Advanced Data Mining International Estimation of Tidal Marsh Loading Effects in a Complex Estuary	David Willis Clemson University Incentive Compatible Policies to Promote the Voluntary Use of Enhanced Stormwater BMPs in New Residential Developments	Dara Park Clemson University Identifying Turfgrass Irrigation Strategies for Conserving Freshwater	Eric Strom USGS The Cooper River Salinity Alert Network 25 years of Real-Time Monitoring
Presenter 3	Virginia Shervette University of South Carolina Future Coastal and Ocean Aquaculture Management Issues for South Carolina	Lauren Felker University of South Carolina / CISA Approaches to Improve Calibration of Hydrologic Models in Coastal Plains	Scott Templeton Clemson University Economic Analysis of the Use of Sediment Controls at Construction Sites in Greenville County	Matthew Petkewich USGS Simulation of Reclaimed-Water Injection and Pumping Scenarios and Particle- Tracking Analysis near Mount Pleasant	Celeste Journey USGS Harmful Algal Blooms: A Case Study in Two Mesotrophic Drinking Water Supply Reservoirs in South Carolina
Presenter 4 or Panel	MODERATED PANEL SESSION	Christopher Foldesi Groundwater Management Associates, Inc. Saltwater in Coastal Carolina Aquifers	Mary Walsh Upstate Forever Storm Water Decision-Making Tool	Porter Rivers BP Barber Evaluating ASR - The Charleston Water System Experience	Joseph A. Gellici SC DNR Ground-Water Level Data Collected and Maintained by the South Carolina Department of Natural Resources
11:45-1:00	Lunch Plenary Session - "Savannah River Basin Partnership" Dean Moss - General Manager, Beaufort-Jasper Water and Sewer Authority				

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1:00-2:30	Session 5 Water Supply Planning	Session 5 Water Quality	Session 5 Community Based Solutions	Session 5 Restoration & Education	Session 5 Modeling Water Quality
Moderators	<i>David Graves</i> <i>SC DHEC</i>	<i>Noel Hurley</i> <i>USGS</i>	<i>John Hayes</i> <i>Clemson University</i>	<i>Colt Bowles</i> <i>US Army Corps of Engineers</i>	<i>Madilyn Fletcher</i> <i>University of South Carolina</i>
Presenter 1	Robert Carey Clemson University An Economic Analysis of Drought Conditions on Lake Hartwell and the Surrounding Region	Larissa Brock MRRRI, SCDNR The Influence of Nutrient Loading on Seasonal Phytoplankton Community Variability in a Temperate Estuary: Case Study of the Ashepoo-Combahee-Edisto (ACE) Basin, SC	Katie Giacalone Clemson University, Carolina Clear Is Stormwater Treated? A Survey of Awareness and Behaviors That May Impact Nonpoint Source Education	Scott Harder SC DNR A Hydrologic and Restoration-Feasibility Study of a Carolina Bay in Aiken and Barnwell Counties, South Carolina	Devendra Amatya USDA Forest Service SWAT-Based Streamflow Modeling of Chapel Branch Creek Watershed with Karst Topography, SC
Presenter 2	Jonathan Goodall University of South Carolina Synthesizing Data to Estimate Terrestrial Water Storage Trends in South Carolina From 1998-2007	Francis Chapelle USGS Bioavailability of Dissolved Organic Carbon In Agriculturally Impacted Groundwater Systems	Susan Libes Coastal Carolina University Community-Based Watershed Planning in the Kingston Lake Watershed of Northeastern South Carolina: Activities During 2008-2010	Amber Pitt Clemson University Does the South Carolina Upstate Have "Isolated Wetlands" and How Do They Function?	Michael Childress Clemson University Modeling the Impact of Drought on South Carolina Blue Crabs Using a Spatially-Explicit Individual-Based Population Model
Presenter 3	Stephen Sperry Clemson University Using Deterministic Models for Long Range Future Growth in an Urban/Rural Watershed	Richard Karkowski Thomas & Hutton A Multi-Disciplinary Watershed-Based Approach to Bacteria Source Tracking within the Grand Strand of South Carolina	Joe Berg Biohabitats, Inc. Regenerative Stormwater Conveyance (RSC) as an Integrated Approach to Sustainable Stormwater Planning	Karen Fuss Coastal Carolina University Adapting Educational Services to Meet Local Needs in the Second NPDES Phase II Permit Cycle: Case Study of the Coastal Waccamaw Stormwater Education Consortium	George Voulgaris University of South Carolina Oceanic Acoustic Techniques for Studying Terrestrial Erosion and Sediment Transport
Presenter 4 or Panel	Mullen Taylor McAngus Goudelock & Courie Water Supply Withdrawals from South Carolina's Reservoirs: A Comparison of Legal Schemes	Cathy Marion SC DNR Influence of Land Use on In-Stream Substrate and Single-Metric Fish Indicators in South Carolina Coastal Plain Streams	Drew Griffin City of Florence Florence Stormwater Improvement and Remediation Project	Vikki Chanse Clemson University Watershed Education and Service Learning: Cross-Disciplinary and Multi-Scale Approaches to Teaching	MODERATED PANEL SESSION
2:30 - 2:45	Afternoon Break				

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2:45-4:15	Session 6 Water Planning & Management	Session 6 Ground Water	Session 6 Restoration & Recovery	Session 6 Innovative Approaches for Water Management	Session 6 Water Level & Monitoring
Moderators	<i>Robert Carey</i> <i>Clemson University</i>	<i>Devendra Amatya</i> <i>USDA Forest Service</i>	<i>Gene Eidson</i> <i>Clemson University</i>	<i>David Graves</i> <i>SC DHEC</i>	<i>David White</i> <i>Clemson University</i>
Presenter 1	Martin Bowen SynTerra Integrating Mine Development Planning with Resource Management Strategy	Timothy Callahan College of Charleston The Role of Groundwater Recharge in the Water Budget of Lowland Watersheds	Jason Moak Southeastern Natural Sciences Academy Results of an Intensive Water Quality Study of the Middle and Lower Savannah River Basin	Sue Schneider Spartanburg Water Complex Decision-Making: A Century of Water Supply Planning	Ruby Daamen Advanced Data Mining International Development of Inferential Sensors for Real-Time Quality Control of Water-Level Data for the Everglades Depth Estimation Network
Presenter 2	James Hawkins Black & Veatch International Perspectives on Sustainable Planning and River Basin Management	C. Guinn Garrett College of Charleston Using Water Chemistry Data to Quantify Source Contribution to Stream Flow in a Coastal Plain Watershed	Oscar Flite Southeastern Natural Sciences Academy Dynamics of Oxygen Demand within the Middle and Lower Savannah River Basins	Lance Beecher Clemson University Evaluation of Different Media in Static Bed Biofilters for Removal of Endocrine Disrupting Compounds in Domestic Wastewater	Ahmad Khalilian Clemson University Sensor-Based Irrigation Scheduling in Cotton Production
Presenter 3	Laura Garrett Upstate Forever Identifying and Prioritizing Areas Critical to Water Quality in the Upstate of South Carolina	Tom Williams Clemson University Longterm Shallow Groundwater Studies in the Coastal Plain: Opportunities and Challenges	Shawn Rosenquist Southeastern Natural Sciences Academy Understanding Hydrologic Variation Through Time-Series Analysis	Lisa Hallo Upstate Forever Creation of the Storm Water Banking Program (SBP), a Market Mechanism to Improve Water Quality	Tim Lanier USGS USGS South Carolina Hydrologic Monitoring Network: 115-Years of Data, Available at the Click of a Button
Presenter 4 or Panel	Matt Cusack PBS&J Environmental Sciences Alternative Methods for Planning Level Wetland and Stream Identification in South Carolina and the Southeastern US	MODERATED PANEL SESSION	MODERATED PANEL SESSION	Feleke Arega SC DNR St. Stephen Fish Lift Inlet Hydraulic Barrier Investigation: A Field Survey and Hydraulic Model Study	Hyunwoo Kim Hanyang University, Republic of Korea Downward Longwave Radiation Retrieved from MODIS Imagery and Possible Application on Water Resource Management at Turkey Creek Watershed in South Carolina
4:15-5:00	Final Plenary Session - Wrap Up & Closing Remarks Gene W. Eidson , Clemson University Restoration Institute, Center for Watershed Excellence Calvin B. Sawyer , Clemson University Center for Watershed Excellence				