

SC Water Resources Conference Schedule - (Day 1) Wednesday, October 17						
7:30 a.m.	Registration Opens					
8:30-10:00	<p align="center">(Ballroom A)</p> <p align="center">Opening Remarks - Jeffery Allen, Conference Chairman- Clemson University SC Water Resources Center Welcome - George Askew, Vice President - Clemson University Public Service and Agriculture (PSA)</p> <p align="center">Morning Plenary Session - (title) (speaker name), (position title)</p>					
10:00-10:30	Morning Break (Lower Level)					
	<p align="center">TRACK 1</p> <p align="center">Water Policy and Planning</p> <p align="center"><i>Lexington Room A</i></p>	<p align="center">TRACK 2</p> <p align="center">Surface Water and Groundwater Systems</p> <p align="center"><i>Lexington Room B</i></p>	<p align="center">TRACK 3</p> <p align="center">Stormwater</p> <p align="center"><i>Richland Room A</i></p>	<p align="center">TRACK 4</p> <p align="center">Hydrologic Monitoring and Modeling</p> <p align="center"><i>Richland Room B</i></p>	<p align="center">TRACK 5</p> <p align="center">Climate and Coastal Issues</p> <p align="center"><i>Richland Room C</i></p>	<p align="center">TRACK 6</p> <p align="center">Agriculture and Infrastructure Issues</p> <p align="center"><i>Congaree A</i></p>
10:30-12:00 SESSION 1	Session 1 (session title)	Session 1	Session 1	Session 1	Session 1	Session 1
Moderator	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>
Presenter 1 10:35-11:00	<p>South Carolina State Water Plan Update Scott Harder SC DNR</p>	<p>Formation of Iodinated Disinfection By-Products from Iodinated X0ray Contrast Media via Chlorination Caroline Granger University of South Carolina</p>	<p>Urban Stream Daylighting in Columbia, SC Joshua Robinson Robinson Engineers</p>	<p>Contaminant Mixtures and Predicted Effects in Wadable Streams of the SE US Paul Bradley US Geological Survey</p>	<p>Advancing Continuous Streamflow and Water Quality Monitoring Networks in the Coastal Plain, Waccamaw Watershed Benjamin Thepaut USGS</p>	<p>Improving Irrigation Scheduling for Fruit Trees in the Southeastern US Amanda Accampo Clemson University</p>
Presenter 2 11:05-11:30	<p>What Can SC Learn from Other States Water Planning Efforts? John Boyer CDM Smith</p>	<p>Investigation of Disinfection By-Product Formation and Toxicity of Swimming Pools Utilizing Cu/Ag Electrolysis and Chlorine in Myrtle Beach, SC Joshua Allen University of South Carolina</p>	<p>Stakeholders and Stormwater: Collaborative Process for Mitigating Erosion in the Sand River, Aiken SC Jason Hetrick McCormick Taylor</p>	<p>Assessment of Spatial and Temporal Variation of Potential Evapotranspiration Estimated by Four Methods for SC Devendra Amatya USDA Forest Service</p>	<p>Synthesis of Long-term Coastal Monitoring Datasets to Identify and Model Relationships Between Land Cover, Coastal Ecosystems Change, and Climate, & Weather Andrew Tweel SC DNR</p>	<p>Pilot Scale Phosphorus Adsorption by Iron Oxide and Calcined Clay from Specialty Crop Runoff John Majsztzik Clemson University</p>
Presenter 3 11:35-12:00	<p>Forecasting Water Demand and State Water Planning Jessica Fritsche CDM Smith</p>	<p>A Sensitive, Selective Method for the Quantification of Iodoacetic Acids in Drinking Water Hannah Liberatore University of South Carolina</p>	<p>Using ArcGIS Collector and Survey 123 to Inventory and Manage Stormwater Infra Brett Sexton Wood</p>	<p>Efficient Mapping of SC Potential Evapotranspiration through Automated Modeling, Software Development, and Algorithm Modification and Comparison Sudhanshu Pands University of North Georgia</p>	<p>Supporting Coastal Resiliency by Investigating Tidal Reach, Storm Surge, and Inter-Connected Factors in Coastal Georgia Shawn Rosenquist Savannah State University</p>	<p>Statewide Survey of Irrigation Source Water Quality and Water Use Techniques in the Specialty Crops Production Industry Lauren Garcia Chance Clemson University</p>
12:00-1:30 LUNCH	<p align="center">Lunch Plenary Session - (title) (speaker), (Position title) (Ballroom B / C)</p>					

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	TRACK 1 Water Policy and Planning <i>Lexington Room A</i>	TRACK 2 Surface Water and Groundwater Systems <i>Lexington Room B</i>	TRACK 3 Stormwater <i>Richland Room A</i>	TRACK 4 Hydrologic Monitoring and Modeling <i>Richland Room B</i>	TRACK 5 Climate and Coastal Issues <i>Richland Room C</i>	TRACK 6 Agriculture and Infrastructure Issues <i>Congaree A</i>
1:45-3:15 SESSION 2	Session 2 (session title)	Session 2	Session 2	Session 2	Session 2	Session 2
Moderators	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)
Presenter 1 1:50-2:15	Cooperative Planning for Source Water Protection: Targeting Sediment in the Saluda River Melanie Ruhlman North Wind Inc. and Save Our Saluda	Stormwater and Tidal Hydraulics in an Urban Watershed: Land Use Change Impacts Hannah Kuhl College of Charleston	The Impacts of Sewage Spills on Community Health in Columbia, SC 2013-2017 Sarah Rothenberg Oregon State University	South Carolina StreamStats: Streamflow Statistics Coupled with Lidar Derived Elevation and Hydro-Lines Jimmy Clark US Geological Survey	Linking Land Use to Physical Changes in Charleston's Estuaries and Tidal Creeks Breanne Hanson College of Charleston	Using Historical Weather Records to Derive Water Use and Irrigation Requirements of Crops in SC Jose Payero Clemson University
Presenter 2 2:20-2:45	Which Policy for Improving Water Quality? Let's Listen to our Watersheds Marzieh Motallebi Clemson University	Distribution of Total and Methyl Mercury in Sediment, Biofilms, and Amphibians from Ephemeral Wetlands on the Savannah River Site Stacey Lance University of Georgia	Enhancing Water Quality through Bacteria TMDL Implementation Plans Angela Vandelay Wood	How Good is the Water Quality? Utilizing Groundbreaking Hyperspectral Remote Sensing to Help Answer this Question Robert Osborne Black and Veatch	How Does Coastal Development Impact Groundwater Quality Surrounding Tidal Creeks Alicia Wilson University of South Carolina	Projecting Future Irrigation in SC Alex Pellett SC Dept of Natural Resources
Presenter 3 2:50-3:15	Putting Our Lives in Nature's Hands: Lessons Learned from a Payments for Ecosystems Services Case in Phillipines Julie Carl Ureta Clemson University	Export of Nutrients and Organic Matter from Coastal Watersheds Under Extreme Rainfall Events Hamed Majidzadeh Clemson University	From Data to Decisions: A Process Overview of Applied Science Driving Policy Development Kimberly Jones University of South Carolina	Floodplain Circulation Defined by Numerical Modeling, Remote Sensing, and In Situ Observations David Hodges University of South Carolina	Setting Numeric Nutrient Criteria for South Carolina's Surface Water Andrea Hughes SC DHEC	Quantifying Agricultural Water Use Practices: Results of the SC Agricultural Water Use and Irrigation Survey Calvin Sawyer Clemson University
3:15-3:45	Afternoon Break (Lower Level)					

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3:45-5:15 SESSION 3	Session 3	Session 3	Session 3	Session 3	Session 3	Session 3
Moderator	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)
Presenter 1 3:50-4:15	Preparing SC For Drought: Lessons Learned from the State's First Drought and Water Shortage Tabletop Exercise Kirsten Lackstrom Carolinas Integrated Sciences	Evaluation of Contaminants in Columbia, SC Residential Lake Resulting from Wastewater Overflow Danielle Westerman University of South Carolina	State of Knowledge Regarding SC Stormwater Ponds: ASC Stormwater Pond Research and Management Collaborative Update M. Richard DeVoe SC Sea Grant Consortium	Condition Monitoring in the Carolinas: Lessons Learned to Support a National Network of Citizen Science Observers, Drought Monitoring, and Decision Making Amanda Farris University of South Carolina	Understanding and Utilizing Average Recurrence Intervals for Precipitation Blair Holloway NOAA/ National Weather Service	A Mathematical Remodeling for Crop Portfolio Selection Under Limited Irrigation Resource Li Zhand The Citadel
Presenter 2 4:20-4:45	Ensuring a Sustainable Water Supply through Watershed Management and Stakeholder Engagement Rebecca West Greenville Water	Engineered Nanomaterials in Surface Waters Impacted by Sewage Spill in Columbia, SC Mohammed Baalousha University of South Carolina	Rate and Drivers of Sediment Accumulation and Nutrient Burial in SC's Coastal Stormwater Detention Ponds William Schroer University of Georgia	Sc Adopt-A-Stream: Highlights of our First Statewide Volunteer River Monitoring Program Katie Callahan Clemson University	Updating the Magnitude and Frequency of Floods in Rural Basins of the Southeastern US Toby Feaster US Geological Survey	Use of Visualization and Metrics to Aid in Agricultural Water Management Decisions Eleanor Jenkins Clemson University
Presenter 3 4:50-5:15	Midlands Rivers Coalition, Many Interests, One Goal Bryan Rabon SC DHEC	Dissolved Hydrogen Dynamics Associated with Emulsified Vegetable Oil Bioremediation of Chlorinated Ethene-Contaminated Groundwater Francis Chapelle US Geological Survey	Effects of Impervious Area and BMP Implementation and Design on Storm Runoff and Water Quality in Eight Small Urban Watersheds Brent Aulenbach US Geological Survey	Tracking Fecal Pollution Sources in an Urban Watershed in Aiken, SC Michele Harmon University of South Carolina	Estimating Selected Low-Flow Frequency Statistics and Mean Annual Flow for Ungaged Locations on Streams In North Georgia Anthony Gotvald USGS	An online Tool for Assessing the Economic Profitability and Financial Feasibility of Investing in Irrigation Jose Payero Clemson University
5:30-7:00	Reception & Poster Session (Lower Level)					

SC Water Resources Conference Schedule - (Day 2) - Thursday, October 18						
7:30 a.m.	Registration Opens					
8:15-8:30	Welcome and Conference Remarks - Jeffery Allen, Conference Chairman, Clemson University, SC Water Resources Center					
8:30-10:00	Morning Plenary Session - Legislative Panel, (title) Moderator: Senator Paul Campbell (Ag & Natural Resources Committee) Panel Participants: (name), (committee)					
10:00-10:30	Morning Break (Lower Level)					
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10:30-12:00 SESSION 4	Session 4	Session 4	Session 4	Session 4	Session 4	Session 4
Moderators	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)	(moderator) (affiliation)
Presenter 1 10:35-11:00	Protecting and Restoring Flows in Our Southeastern Rivers: A Review of State Policies for Water Security and Sustainability in SE April Ingle River Network	Protecting the Savannah River Watershed through Forest Conservation and Innovative Partnerships Lisa Lord Longleaf Alliance	Hydraulic Design of Modular Green Roof Systems for Improved Stormwater Detention Nigel Kaye Clemson University	Numerical Investigation of Free Overfall from Circular Pipe Flowing Upstream Full Tanjina Afrin Virginia Military Institute	Flood Information and Notification System Boo Robinson USGS	The Effectiveness of At-Home, Point-of-Use Granular Activated Carbon Filtration Systems in Removing Unregulated Disinfection By-Products Amy Cuthbertson University of South Carolina
Presenter 2 11:05-11:30	Managing SC's Water Resources Amira Berezowska SC DHEC	Three Decades of Groundwater Quality Conditions in Surficial and Floridan Aquifers in South Carolina Celeste Journey USGS	Quantification of Site Peak Discharge Reduction from Modular Green Roofs and Porous Pavements Rasna Sharmin Clemson University	Assessment of the Influence of Box Culverts on Stream Habitat and Channel Geomorphology in South Carolina Jeffrey Riley USGS	Accessing Event-based Flood Date through the US Geological Survey Flood Event Viewer Anthony Gotvald USGS	Mixed-Organic/Inorganic-Chemical Exposure in USA Point-of-Use Drinking Water Paul Bradley US Geological Survey
Presenter 3 11:35-12:00	Development and Application of Groundwater Flow Model of Atlantic Coastal Plain aquifers, Aiken, SC to support Water Resource Decisions Bruce Campbell US Geological Survey	Groundwater Quality Data from a Recently Drilled Public Supply Well in Aiken County: Multiple Water Quality Issues of Unknown Origin James Landmeyer US Geological Survey	Impact of Land Development using LID Stormwater Technologies on Municipal Storm Sewer Systems William Martin Clemson University	An Exploration of Urban Stream Discharge Estimation and the Challenges of Acoustic Doppler Velocity Meters (ADVM) Amanda Chura Woolpert	USGS Flood-Inundation Mapping in Georgia, NC, and SC Jonathan Musser US Geological Survey	Microplastics Removal at Wastewater Treatment Plants in Charleston and Mt. Pleasant and the capacity of Facilities Statewide Manage Microplastic Barbara Beckingham College of Charleston
12:00-1:30 LUNCH	Lunch Plenary Session - Title speaker name (affiliation) (Ballroom B / C)					

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1:45-3:15 SESSION 5	Session 5	Session 5	Session 5	Session 5	Session 5	Session 5
Moderators	<i>(moderator) (affiliation)</i>	<i>(moderator) (affiliation)</i>	<i>(moderator) (affiliation)</i>	<i>(moderator) (affiliation)</i>	<i>(moderator) (affiliation)</i>	<i>(moderator) (affiliation)</i>
Presenter 1 1:50-2:15	Using Land Prioritization Strategies to Inform Watershed Based Planning and Protect Drinking Water Supplies in Upstate SC Erika Hollis Upstate Forever	Development of the Hydrogeological Framework for a Groundwater Flow Model in South Carolina Joseph Gellici SC DNR	Characterizing SCDOT Stormwater Runoff Rebecca Coulter Woolpert	Providing a Mile By Giving an Inch, Sharing Data Required by the Permit Mike Jaspers City of Columbia	Plant Community Zonation Along a Marine Freshwater Gradient: Implications for Sea Level Rise and Drought Impacts Sharleen Johnson SC DNR, Marine Resources Research	From Failure to Success: How Cane Creek Got Her Groove Back Joshua Gilman Stantec Consulting Services Inc.
Presenter 2 2:20-2:45	Septic to Sewer Conversion Program Development in Bluffton, SC Kimberly Jones University of South Carolina	Groundwater Monitoring Networks at the South Carolina Department of Natural Resources Joshua Williams SC DNR	Does Stormwater Runoff from Bridge Decks in SC Change Water, Sediment, and Biological Quality Conditions in Streams Celeste Journey USGS	Aspects of TMDL Creation from the 303 (D) List of Impaired Waterbodies in the State of South Carolina Shane Worley Wood	Monitoring Drought in Coastal SC Using the Coastal Salinity Index Matthew Petkewich US Geological Survey	The October 2015 Flood Forecasting in Poorly Gauged and Ungauged Catchments Vidya Samadi University of South Carolina
Presenter 3 2:50-3:15	Hold On To Your Butt: Addressing Cigarette Litter Across the Grand Strand Lisa Swanger Coastal Carolina University	Potentiometric Surface Maps of the South Carolina Coastal Plain Aquifers, November-December 2016 Brooke Czwartacki SC DNR	Assessing Water Quality from Highway Runoff at Selected Sited in NC with the Stochastic Empirical Loading and Dilution Model J. Curtis Weaver USGS	Assessing Land Use, Habitat Quality, and Pollutant Loadings to Develop a Goose Creek Watershed Management Plan Fowler Del Porto KCI Technologies	Enhancing Drought Education, Awareness, and Information-Sharing through a Web-based Drought Portal Hope Mizzell SC State Climatology Office	Non-Stationary Flood Frequency Analysis in the Carolinas in Response to the October 2015 Flooding Ryne Phillips University of South Carolina
3:15 - 3:45	Afternoon Break (Lower Level)					

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	TRACK 1 Water Policy and Planning <i>Lexington Room A</i>	TRACK 2 Surface Water and Groundwater Systems <i>Lexington Room B</i>	TRACK 3 Stormwater	TRACK 4 Hydrologic Monitoring and Modeling <i>Richland Room B</i>	TRACK 5 Climate and Coastal Issues <i>Richland Room C</i>	TRACK 6 Agriculture and Infrastructure Issues <i>Richland Room A</i>
3:45-5:15 SESSION 6	Session 6	Session 6	Session 6	Session 6	Session 6	Session 6
Moderators	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>	<i>(moderator)</i> <i>(affiliation)</i>
Presenter 1 3:50-4:15	SC Dam Inspection; The Good, The Bad, The Ugly Thomas Evans CDM Smith	Development of a Groundwater Recharge Model for the Coastal Plain of SC using the USGS Soil Water Balance Method Alexander Butler SC DHEC		Leveraging Time-Series Water Quality Data from Volunteer, USGS, and Regulatory Monitoring Programs to Detect Illicit Discharge and Long-term Trends in the Waccamaw and Sampit Rivers Susan Libes Coastal Carolina University	Comparative Toxicity of Tire Wear Particles to a Freshwater and an Estuarine Fish Species Peter van den Hurk Clemson University	Making the Connection: Linking Urban Streams and People Will Wilhelm Kimley-Horn
Presenter 2 4:20-4:45	State-Wide Water Use in SC and What It Means for Water Planning Leigh Anne Monroe SC DHEC	South Carolina Atlantic Coastal Plain Groundwater Availability Model Bruce Campbell US Geological Survey		Field Observations of Sediment Accretion for a SC Salt Marsh Island Ronald Willis University of South Carolina	Sources of Microplastics in Charleston Harbor Sediments: An Overview John Weinstein The Citadel	Linking Land Cover and Small Watershed Discharge: Can Science Support Green Infrastructure Decision-Making in Coastal SC Daniel Hitchcock Clemson University
Presenter 3 4:50-5:15	Utilizing Permittee Responsible Mitigation as a Driver of Both Economic and Conservation Goals William A. Rector Wood	Open Panel Discussion		Smart Water Sampling with UAV-Integrated Sensor Node Cengiz Koparan Clemson University	Stormwater Detention Ponds as Conduits for Microplastics and Tire Wear Particles into Coastal Waterways Sarah Kell University of Charleston	Master Rain Gardener: Certification for Rain Garden & Amp; Rainwater Harvesting System Design Kimberly Morganello Clemson University
5:15	Conference Closes					