

Note: All sessions and times are subject to change.

Wednesday, September 22, 2021

8:30 am - 9:00 am		<p style="text-align: center;"><i>Welcome to MAC and Conference Logistics : Lauren Mosesso, Mid-Atlantic Conference Chair</i> <i>Welcome from National AWRA : Scott Kudlas, AWRA National President, Virginia Department of Environmental Quality</i></p>		
9:00 am - 10:00 am		<p style="text-align: center;">Keynote Panel: Climate Resiliency Strategies Nick Angarone, New Jersey Department of Environmental Protection Kristen Bowman Kavanagh, P.E, Delaware River Basin Commission Jim Pappas, Delaware Department of Transportation, Resiliency and Sustainability Section Aneca Atkinson, Pennsylvania Department of Environmental Protection, Water Programs Maggie Pletta, Delaware Department of Natural Resources and Environmental Control, State Climate Action Plan</p>		
10:00 am - 10:15 am		Break		
10:15 am - 11:15 am	1a	Harmful Algal Blooms Moderator:	1b Drinking Water Moderator:	1c Water Data Summit I Moderator:
		<p><i>Maintaining Safe Water to the City of Newark: Addressing HABs in the Pequanock Watershed with Ultrasonic Technology</i> Felipe Contreras, Kleinfelder Co-author: Erin Dovel, Kleinfelder</p>	<p><i>Using Watershed Management and Planning To Lessen Extreme Event Impacts to Surface Water Supply Reservoirs</i> Stephen J. Souza, Ph.D., Clean Waters Consulting, LLC</p>	
		<p><i>Utilizing Phycocyanin Readings to Assess the Potential for the Presence of Cyanotoxins Associated with a HAB Event</i> Fred Lubnow, Princeton Hydro Co-author: Pat Rose</p>	<p><i>The Round Valley Reservoir Project: Rehabilitation and Resource Preservation of Water Supply Infrastructure</i> Julie Shelley, New Jersey Water Supply Authority</p>	<p>United States Geological Survey Water Data <i>USGS Water Data Overview</i> , Jon Janowicz, USGS</p>
		<p><i>Downstream Fate and Transport of Cyanobacteria and Cyanotoxins in the Raritan River Basin, New Jersey</i> Heather Desko, New Jersey Water Supply Authority Co-authors: Heather Heckathorn, United States Geological Survey New Jersey Water Science Center, Pamela Reilly, United States Geological Survey New Jersey Water Science Center, Meiyin Wu, Ph.D., Montclair State University, Robert Newby, Ph.D., New Jersey Department of Environmental Protection, Robert Schuster, New Jersey Department of Environmental Protection</p>	<p><i>Have We Seen Peak Water Use in the Delaware River Basin? Water Withdrawals and Consumptive Use Estimates for 1990-2017, With Projections to 2060</i> Michael Thompson, P.E., Delaware River Basin Commission Co-author: Chad Pindar, P.E., Manager – Water Resource Planning Section, Delaware River Basin Commission</p>	<p><i>USGS Water Quality Data 101</i> , Kathryn Cahalane, USGS</p> <p>Water Use and Availability in New Jersey, Malia Scott, USGS</p>
		continued on next page...		

11:15 am - 11:30 am	Break					
11:30 am - 12:30 pm	2a	Watershed Restoration I Moderator:	2b	Student Poster Session Moderator:	2c	Water Data Summit II Moderator:
		<i>City of Newark South Street and Adams Street Drainage Improvements Project</i> Lori Wade, Michael Baker International, Inc.		<i>Water Utility Rate Trends and Affordability Assessment in New Jersey</i> Tianyi Luo, Rutgers , the State University of New Jersey		
		<i>Franklin Township Stormwater Basin Retrofits to Improve Water Quality in the Delaware & Raritan Canal</i> Kathleen Hale, New Jersey Water Supply Authority		<i>Enhancement of Infiltration in Compacted Urban Soil with Biochar Amendment (poster session)</i> Derya Akpinar, Department of Civil and Environmental Engineering, University of Delaware Co-authors: Sraboni Chowdhury, Marcus Bowser, Dan Kramer, and Paul T. Imhoff		United States Geological Survey: Water Tools Flood Tools and Notifications , Tom Suro, USGS <i>Introduction to New Jersey Stream Stats</i> , Lucas Pick, USGS Exploring USGS Water Data Through Map Applications, Dean Riddle, USGS
		<i>Enhancement of Infiltration in Compacted Urban Soil with Biochar Amendment (oral presentation)</i> Derya Akpinar, Department of Civil and Environmental Engineering, University of Delaware Co-authors: Sraboni Chowdhury, Marcus Bowser, Dan Kramer, and Paul T. Imhoff		<i>Understanding Sediment and Nutrient Transport in a Raingarden Using Terrestrial Lidar Scans and iRIC (poster session)</i> Abdul-Rashid Zakaria, Villanova Center for Resilient Water Systems (VCRWS)		

Thursday, September 23, 2021

9:00 am - 10:00 am		<p>Keynote:</p> <p><i>Resourcefulness and Resilience: Leveraging the Value in Existing Assets Toward Addressing Future Challenges in Water and Climate</i></p> <p>Marccus Hendricks, Assistant Professor, University of Maryland, School of Architecture, Planning and Preservation Director at Stormwater Infrastructure, Resilience and Justice Lab Affiliated Research Faculty, Clark School of Engineering's Center for Disaster Resilience, NCSG & EFC UMD</p>		
10:00 am - 10:15 am		Break		
10:15 am - 11:15 am	3a	Watershed Restoration II Moderator:	3b Asset Tracking/Management Moderator:	3c Water Data Summit III Moderator:
		<i>Directing Public Funds for Water Quality Projects on Private Property</i> Nathan Walker, AICP, Gannett Fleming, Inc.	<i>Case Study and Demonstration of the Community-enabled Lifecycle Analysis of Stormwater Infrastructure Cost (CLASIC) Tool</i> Jennifer Egan, PhD, University of Maryland Environmental Finance Center	<i>Using Data for Water Resource Management at the Delaware River Basin Commission</i> John Yagecic, P.E., Delaware River Basin Commission
		<i>Dam Removal in the Brandywine-Christina Watershed: Lessons Learned (30 minutes)</i> Brian Winslow, Brandywine Red Clay Alliance	<i>Project Management Solutions for Integrating Asset Tracking and Inspections</i> Olivia Devereux, Devereux Consulting, Inc.	<i>Application of eutrophication modeling to understand the potential to expand designated aquatic life uses in the Delaware River Estuary</i>
		Co-authors: Craig Thomas, Chester County Water Resources Authority and Gerald J. Kauffman, University of Delaware Water Resources Agency	<i>Modernizing Stormwater Infrastructure with Continuous Monitoring and Adaptive Control</i> Victor Hlas, OptiRTC, Inc.	Thomas Amidon, BCES, Delaware River Basin Commission
11:15 am - 11:30 am		Break		
11:30 am - 12:30 pm	4a	Watershed Restoration III Moderator:	4b Groundwater Moderator:	4c Water Data Summit IV Moderator:
		<i>Understanding Government Expenditures to Protect and Restore Water Quality in the Delaware River Basin (30 minutes)</i> Daniel J. Van Abs, PhD, FAICP/PP, Department of Human Ecology, School of Environmental & Biological Sciences, Rutgers-The State University of New Jersey	<i>Revision of the New Jersey Coastal Plain groundwater-flow model</i> Glen Carleton, United States Geological Survey Co-authors: A.D. Gordon, G.B. Carleton, M.K. Watt, and L. Kennefic	<i>Workshop:</i> <i>Getting Information Out of Complex Data Without the Black Box</i>
		Co-authors: Karen O'Neill, Associate Professor, Department of Human Ecology, Rutgers University and Sara Malone, Senior Research Specialist,	<i>Simulation of Water-Table Response to Sea-Level Rise and Change in Recharge, Sandy Hook, New Jersey</i> Glen Carleton, United States Geological Survey Co-authors: Emmanuel G. Charles, and Alex R. Fiore	David A. Vaccari, Ph.D., P.E., BCEE, F.ASCE, Stevens Institute of Technology, Department of Civil, Environmental and Ocean Engineering
		<i>Understanding Sediment and Nutrient Transport in a Raingarden Using Terrestrial Lidar Scans and iRIC</i> Abdul-Rashid Zakaria, Villanova Center for Resilient Water Systems (VCRWS)	<i>Field Study of Deicing Salt Impacts on Groundwater from Stormwater Infiltration Best Management Practices</i> Rachel McQuiggan, Delaware Geological Survey Co-author: A. Scott Andres, Delaware Geological Survey	

Friday, September 24, 2021

Keynote:					
<i>Philadelphia's 'One Water' Approach to Water Resource Management</i>					
Kelly Anderson, Watershed Protection Programs Manager, Office of Watersheds, Philadelphia Water Department					
Break					
12:00 pm- 1:00 pm					
1:00 pm- 1:15 pm					
1:15 pm - 2:15 pm	5a	Watershed Restoration IV Moderator:	5b	Panel: Diversity, Environmental Justice and Water Resources Moderator:	5c Water Data Summit V Moderator:
		<i>Watershed Control Plan for Cryptosporidium – Raritan Water Supply System</i> Kathleen Hale, New Jersey Water Supply Authority		<i>Panel: Diversity, Environmental Justice and Water Resources</i> Kevin Newman, Environmental Protection Specialist, District of Columbia Department of Energy and the Environment, Chesapeake Bay Program Diversity Workgroup Chair	<i>Climate Data Availability</i> Dr. David Robinson, Professor, Rutgers University and NJ State Climatologist
		<i>Water Conservation on Display</i> Steven E. Yergeau, Ph.D., Rutgers Cooperative Extension of Ocean County		Angus Welch, Physical Scientist, USEPA Samantha Phillips Beer, Director, Office of Communities, Tribe and Environmental Assessment, USEPA Renata Barnes, Outdoor Equity Alliance Coordinator Gaby Roffe, Manager of Equity and Community Engagement, Chesapeake Conservancy	
		<i>Manasquan Reservoir Boat Stewards Program</i> Kyle Clonan, New Jersey Water Supply Authority		Mariah Davis, NWF Choose Clean Water Coalition Allison Acevedo, Pennsylvania Department of Environmental Protection, Office of Environmental Justice	
Break					
2:15 pm - 2:30 pm					
2:30 pm - 3:45 pm	6a	Watershed Restoration V Moderator:	6b	Digital Solutions Moderator:	6c Water Data Summit VI Moderator:
		<i>Sediment Sampling Requirements of the Chesapeake Bay Expert Panel Guidance for Stream Restoration: New Field Procedures and Effects on Resulting Pollutant Load Reductions</i> Hannah Scholes, EIT, KCI Technologies, Inc.		<i>Flood Watch Monitoring for a High Hazard Dam – a Microsoft Office 365 Solution</i> Jennifer McGee, PE, CFM, GISP, Wood PLC	<i>Workshop: Using CUAHSI Software Tools to Share, Discover, and Reuse Scientific Water Data and Findings</i> Facilitators: Anthony Castronova, Senior Research Hydrologist, CUAHSI Deanna McCay, Deputy Director, CUAHSI
		<i>Watershed Scale Coastal Resilience: Concept through Delivery, Case Study: Delaware's Inland Bays (30 minutes)</i> Marianne Walch, PhD, Delaware Center for Inland Bays Co-authors: Larry Trout, PE, Deputy Director, Straughn Environmental, Jim Eisenhardt, CFM, Senior Manager, RK&K		<i>Water System Resiliency Improvements</i> Dillon Meicke, Gannett Fleming, Inc.	
				<i>Data Management Solutions for MS4 Permit Compliance</i> Brent Reeves, KCI Technologies Inc	
				<i>Dynamically Tracking BMP Implementation and Inspection Dates for Modeling and Reporting</i> Olivia Devereux, Devereux Consulting, Inc.	