

Note: All sessions and times are subject to change.
Wednesday, September 22, 2021

Welcome				
Keynote Panel: Climate Resiliency Strategies				
9:00 am - 9:50 am				
10:00 am - 11:00 am	1a	Harmful Algal Blooms	1b	Drinking Water
		<p><i>Maintaining Safe Water to the City of Newark: Addressing HABs in the Pequannock 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><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>
				United States Geological Survey Water Data Overview Part I
11:15 am - 12:15 pm	2a	Watershed Restoration I	2b	Student Poster Session
		<p><i>City of Newark South Street and Adams Street Drainage Improvements Project</i> Lori Wade, Michael Baker International, Inc.</p>		<p><i>Water Utility Rate Trends and Affordability Assessment in New Jersey</i> Tianyi Luo, Rutgers , the State University of New Jersey</p>
		<p><i>Franklin Township Stormwater Basin Retrofits to Improve Water Quality in the Delaware & Raritan Canal</i> Kathleen Hale, New Jersey Water Supply Authority</p>		<p><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</p>
		<p><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</p>		<p><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)</p>
				United States Geological Survey Water Data Overview Part II

Friday, September 24, 2021

Friday, September 24, 2021				
12:00 pm- 1:00 pm		Keynote: <i>Philadelphia's 'One Water' Approach to Water Resource Management</i> Kelly Anderson, Watershed Protection Programs Manager, Office of Watersheds, Philadelphia Water Department		
1:15 pm - 2:15 pm	5a	Watershed Restoration IV	5b	5c Water Data Summit V
		<i>Watershed Control Plan for Cryptosporidium – Raritan Water Supply System</i> Kathleen Hale, New Jersey Water Supply Authority	<i>Panel:</i> <i>Diversity, Environmental Justice and Water Resources</i> Speakers: To be announced	Dave Robinson, NJ State Climatologist <i>NJ Department of Agriculture's Hydrologic Modeling Database:</i> A statewide inventory of stormwater management structures and their post-developed hydrology John Showler, PE, New Jersey Department of Agriculture
		<i>Water Conservation on Display</i> Steven E. Yergeau, Ph.D., Rutgers Cooperative Extension of Ocean County		
		<i>Manasquan Reservoir Boat Stewards Program</i> Kyle Clonan, New Jersey Water Supply Authority		
2:30 pm - 3:45 pm	6a	Watershed Restoration V	6b Digital Solutions	6c Water Data Summit VI
		<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:</i> <i>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	<i>Water System Resiliency Improvements</i> Shirisha Daita, 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.	