

Poster Presentations



Posters will be showcased during the 1:00–2:00 pm Poster Viewing time on Wednesday, May 4 and are located in the West Hall Registration area on the 2nd floor at the top of the escalators. Check the index card by each poster to see when the presenter will be available throughout the week to answer questions.

Monitoring Designs for the 21st Century

- 01 The NEON Aquatic Network: Standardizing Deployment of Aquatic Instrument Systems Across Continental Ecosystems
Charles Bohall, National Ecological Observatory Network (NEON)
- 02 Selecting Reference Sites for Assessments in Heavily-Disturbed Regions
Daren Carlisle, USGS
- 03 Monitoring for Nutrient Water Quality Modeling
Amanda Howell, USEPA
- 04 USGS Urban Water-Resources Monitoring Programs in Virginia
John Jastram, USGS
- 05 Regional Coastal Wetlands Monitoring Workgroup: Multi-State Collaboration of Data and Assessment Methodologies
Kimberly Matthews, RTI International
- 06 Monitoring Water Temperature and Specific Conductance as Indicators of Source Waters: Warm Mineral Springs, Florida, 2014–2015
Patricia Metz, USGS
- 07 Illinois Nutrient Monitoring Network – Continuous Phosphate and Turbidity Monitoring to Determine Continuous Total Phosphorus Loads
Colin Peake, USGS
- 08 Optical Techniques for the Determination of Fluorescence in Environmental Waters: Guidelines for Instrument Selection, Operation, Deployment, Maintenance, Quality Assurance, and Data Reporting
Brian Pellerin, USGS
- 09 The Role of ICPRB in the Development of Algae Monitoring Methodologies Within the Potomac River Basin
Gordon Selckmann, Interstate Commission on the Potomac River Basin (ICPRB)

- 10 Deployment of Continuous Water Quality Monitoring Systems

Dan Sullivan, USGS

- 11 Is My Well Water Safe to Drink? Characterizing Arizona's Groundwater Quality

Douglas Towne, Arizona Dept. of Environmental Quality

- 12 Nutrient Fate and Transport in Indian Creek, Johnson County, Kansas

Thomas Williams, USGS

- 13 Real-Time Water Quality Forecasts

Julie Wood, Charles River Watershed Association

Connecting Coasts, Estuaries, and Freshwater Ecosystems

- 14 Protecting Water Quality While Constructing a Flood Protection Project along the Napa River in California

J.J. Baum, USACE

- 15 USGS Water-Quality Monitoring Network for the St. Marks Watershed in Florida

Ron Knapp, USGS

- 16 Assessing the Nutrient Loads Reaching the Coastal Ocean Through Tidal Inlets in Southeast Florida

S. Jack Stamates, NOAA Atlantic Oceanographic and Meteorological Laboratory

Building Monitoring Collaborations

- 17 Charlotte Harbor Aquatic Preserves' CHEVWQMN Volunteer Water Quality Monitoring Program Overview

Melynda Brown, Florida Dept. of Environmental Protection

- 18 The U.S. Geological Survey Urban Landscapes Capability Team of the Northeast Region

Shawn Fisher, USGS

- 19 CA Urban Streams Alliance – The Stream Team
Timmerie Hamill, California Urban Streams Alliance, The Stream Team
- 20 Using Partnerships to Build a Water-Quality Monitoring Program at Lake Mattamuskeet National Wildlife Refuge
Michelle Moorman, USFWS
- 21 Building Collaboration and Continuous Monitoring Data Exchange Through a State Water Monitoring Council
Leslie McGeorge, New Jersey Dept. of Environmental Protection

Innovations in Monitoring and Assessment

- 22 Assessment of Water Quality Condition Within Barnegat Bay Using the Data Being Collected Between 2008 and 2013
Leslie McGeorge, New Jersey Dept. of Environmental Protection
- 23 Geothermal and Brine Sources of Natural Contaminants in Public-Supply Wells in the Rio Grande Aquifer System
Laura Bexfield, USGS
- 24 Continuous Groundwater Quality Monitoring at Three Drinking-Water Wells in New Hampshire
James Degnan, USGS
- 25 A New Approach to In Situ Measurements of CO₂ in Shallow Surface Waters
Karl Haase, USGS
- 26 Utilization of an Autonomous Underwater Vehicle to Support Taste-and-Odor Assessments in a Drinking-Water Supply Reservoir in South Carolina, 2013–2015
Matthew Petkewich, USGS
- 27 Assessing Variability in Groundwater Quality in the San Joaquin Valley, CA with Continuous Monitoring
John Franco Saraceno, USGS
- 28 Laboratory Evaluation of Online Sensors for Monitoring Microorganisms in Water
Samendra Sherchan, Tulane University
- 29 Status of Florida's Fresh Waters: Probabilistic Monitoring Results, Application of Numeric Nutrient and Dissolved Oxygen Criteria
Jay Silvanima, Florida Dept. of Environmental Protection
- 30 Sources of Water and Hydrogen Sulfide at White Springs, Florida, 2012–2013
John Stamm, USGS
- 31 A Comparison of Natural Substrate vs. Artificial Substrate Sampling Devices for Periphyton and Biofilm Assessment
Alex Valigosky, EnviroScience, Inc.

- 32 Deploying and Field Testing ProbeGuard Anti-Fouling Device
Kurt Weidich, USGS
- 33 A Healthy Watershed Assessment for California's Central Coast
Karen Worcester, California Central Coast Water Board

Identifying and Assessing Emerging Risks

- 34 Water Data to Answer Urgent Water Policy Questions: Shale Gas Development in the Susquehanna River Basin
Elin Betanzo, Northeast-Midwest Institute
- 35 A Pilot Study: Cemeteries and the Potential Impact to Groundwater Quality and Human Health (Aurelius Township, Michigan)
Angela Brennan, USGS
- 36 Sediment Pore Water Ammonium and Phosphate Concentrations in Choctawhatchee Bay as Determined by the Diffusive Equilibration in Thin Films (DET) Technique
Roger Burke, USEPA
- 37 Continuous Nitrate Monitoring in Florida: Approaches to Ensure Data Quality
Clint Coates, USGS
- 38 Using Molecular Techniques to Assess the Microbial Community Associated with *Cladophora*, Sediment, Invertebrates and Mussel Micro-Habitat Samples Collected from Sleeping Bear Dunes National Lakeshore: Does the Microbiome of These Sample Types Facilitate Avian Botulism Outbreaks?
Natasha Isaacs, USGS
- 39 The NorWeST Temperature Database, Model, and Climate Scenarios for Western Streams and Rivers
Dan Isaak, US Forest Service
- 40 Microcystins Occurrence in Wadeable Streams in the Southeastern United States
Celeste Journey, USGS
- 41 Steep Decline in the Mussel Community of an Outstanding State Resource Water (Marsh Creek, Kentucky) and the Potential Contributing Factors
Katie McKone, Kentucky Division of Water
- 42 Frequencies of Detection and Spatial Distribution of Sucralose and Select Pharmaceuticals and Pesticides in Florida's Ambient Freshwaters
Andy Woeber, Florida Dept. of Environmental Protection

Measuring Effectiveness of Water Management Actions		54	SARAH: An Electronic Data Capture Application for BLM Stream Monitoring <i>Robin Jones, BLM/Utah State University National Aquatic Monitoring Center</i>
43	Performance Evaluation of Biofiltration Parking Lot Retrofit <i>Julie Wood, Charles River Watershed Association</i>	55	QA/QC Demystified: The Case for Quality Checks <i>Revital Katznelson, University of California Extension</i>
44	How West Virginia Government Agencies Use Volunteer Data <i>Timothy Craddock, West Virginia Dept. of Environmental Protection</i>	56	Expanding the Chesapeake Information Management System: Chesapeake Environmental Data Repository and an Improved DataHub <i>Michael Mallonee, Interstate Commission on the Potomac River Basin (contractor to Chesapeake Bay Program Office)</i>
45	Biological Treatment for Removal of the Odorants Geosmin and MIB in Surface Water Prior to Conventional Treatment <i>Katie Gilmore, Manatee County Water Treatment Plant, Florida</i>	57	Comprehensive QA/QC for Water Analyses <i>Blaine McCleskey, USGS</i>
46	Assessing Water Quality Status and Trends for New York City's Source Water <i>Jim Mayfield, New York City Dept. of Environmental Protection</i>	58	Developing a Stormwater Management Program with Continuous Water Quality Monitoring and Building Community Relationships <i>Andrew Stroud, City of Columbia, South Carolina</i>
47	Long-Term Assessment of Aquatic Communities and Environmental Characteristics at Selected Lake Michigan Tributaries <i>Barbara Scudder Eikenberry, USGS</i>	Assessing Trends in Water Resources	
48	Understanding Low Impact Development – Monitoring and Assessment Advancements <i>J. Michael Trapp, Michael Baker International</i>	59	Nitrate Trends in Young Groundwater in the Southern Coast Ranges Hydrogeologic Province, California <i>Carmen Burton, USGS</i>
49	Improving Waters – Are We There Yet? <i>Diane Wilson, Pennsylvania Dept. of Environmental Protection</i>	60	Creation of a 1974–2012 National Land Use Dataset to Support Water Quality Studies <i>James Falcone, USGS</i>
50	The Effect of Seasonal Riparian Area Management on an Impaired Stream in Eastern South Dakota: Monitoring a National Water Quality Initiative Project <i>Alan Wittmuss, South Dakota Dept. of Environment and Natural Resources</i>	61	Sediment Oxygen Demand in Eastern Kansas Streams <i>Lindsey King, USGS</i>
Managing, Sharing, Communicating, and Mining Data		62	National Aquatic Resource Surveys – What is the Condition of the Nation's Waters? We Actually Know! <i>Sarah Lehmann, USEPA</i>
51	Verification of National Land Cover Database Impervious Coverage Data for the Little Blue River Watershed in Jackson and Cass Counties, Missouri <i>Eric Christensen, USGS</i>	63	Assessment of Measurable Water Quality Changes in the Lower Delaware River Special Protection Waters <i>Robert Limbeck, Delaware River Basin Commission</i>
52	A Federal-State Partnership to Share Water Monitoring Data <i>Christopher Greene, Minnesota Dept. of Health</i>	64	Applying Adaptive Management and Lessons Learned from National Assessments to Address Logistical Challenges in the National Aquatic Surveys (NARS) <i>Dennis McCauley, Great Lakes Environmental Center, Inc.</i>
53	Developing the WatershedWatch Relational Database <i>Elizabeth Herron, University of Rhode Island Cooperative Extension</i>	65	Analyzing Water Management Issues Using GIS in West Africa: The Case of Nigeria <i>Edmund Merem, Jackson State University</i>
		66	The Effect of Statistically Optimizing Locally-Weighted Regression During Flow Adjustment of Concentrations for Trend Analysis <i>Zach Simpson, University of Arkansas, Fayetteville</i>

- 67 EPA's National Reassessment of Contaminants in Fish from U.S. Rivers
Blaine Snyder, Tetra Tech, Inc.
- 68 Mapping Lake Skin Temperature Trends in the Northeast USA Using Landsat
Nathan Torbick, Applied Geosolutions
- 69 NCCA 2010 and 2015 in Florida: Comparison of Field and Optical Water Quality Conditions – What is “Normal?”
Laura Yarbrow, Florida Fish and Wildlife Conservation Commission
- 70 Are We Really Disinfecting Our Gear? Results of a Study Using 2% Virkon Aquatic Spray Applications to Wading Boots Infested with New Zealand Mudsnails
Kristine Stepenuck, University of Vermont, Burlington