

2019 National Monitoring Conference-at-a-Glance

\$ = Carries fee

R = Requires pre-registration

MONDAY, March 25

	<i>Field trips meet at the Plaza Lobby Entrance – opposite building from registration</i>	
8:00 – 12:00	Tour of farmer BMPs to improve WQ plus drones	
8:00 – 12:00	Denver Zoo Water Conservation Tour – Cancelled	
8:30 – 1:00	Fourmile Canyon Fire tour – Cancelled	
9:00 – 11:00	Tour of Denver Water Recycling Plant – Cancelled	
9:00 – 12:00	Tour of Denver's new green infrastructure projects	
9:00 – 3:00	Tour of mine and acid mine drainage treatment plant – Cancelled	
1:00 – 5:00	Tour of Ice Core Laboratory and National WQ Laboratory – Cancelled	
1:00 – 4:00	Tour of Chatfield Farms Riparian Restoration – Cancelled	
2:00 – 6:00	Behind the Scenes of Water Treatment Engineering at its Best – Aurora Water’s Binney Water Purification Facility – Cancelled	
1:00 – 4:00	Next Generation Field Methods	
A Sessions 1:30 – 3:00	A1	A2
	<i>Denver Room</i>	<i>Tower D</i>
	WORKSHOP: Water Quality Portal (WQP); Water Quality Exchange (WQX) Training	USGS PFAS
3:00 – 3:30	Break	
B Sessions 3:30 - 5:00	B1	B2
	<i>Denver Room</i>	<i>Tower D</i>
	WORKSHOP: Water Quality Portal (WQP); Water Quality Exchange (WQX) Training	USGS PFAS

TUESDAY, March 26

8:30-10:00	Plenary (<i>Grand Ballroom</i>)								
10:00 – 10:30	Break (<i>Exhibits in Majestic Ballroom</i>)								
C Sessions 10:30-12:00	C1	C2	C3	C4	C5	C6	C7	C8	C9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Columbine</i>	<i>Denver</i>
	Local and National Monitoring Networks in Support of Hydro-Terrestrial Modeling Across Spatial and Temporal Scales	Surveys for Contaminants of Emerging Concerns	HABs and Cyanotoxins	Making Chemical Concentrations Biologically Relevant	Data Soup: Recipes & Secret Spices	Applied Innovations I: Water Quality Monitoring	Biological Assessment, Data Quality, and Comparability	Panel Discussion: Integrating Volunteer Collected Data: an agency perspective on how to support volunteers and assess volunteer collected data	Workshop: Designing and instrumenting a high-frequency groundwater monitoring station
12:00 - 1:30	Box Lunch (<i>Grand Ballroom</i>) Exhibits Open in Majestic Ballroom *New Water Quality Professionals (<i>Tower C</i>) *EPA Regional Monitoring Coordinators (<i>Tower B</i>)								
1:30 – 3:00	FIELD TRIP: NADP Air Monitoring Site								
1:30 – 3:00	Networking Sessions/Meet Your Peers: See handout and nametag for location								
3:00 – 3:30	Break – Exhibits in Majestic Ballroom								
D Sessions 3:30 – 5:00	D1	D2	D3	D4	D5	D6	D7	D8	D9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Columbine</i>	<i>Denver</i>	<i>Terrace</i>
	Machine Learning Applications for Predicting Groundwater Quality, Part I	Investigating the Impacts of Green Infrastructure in Urban Watersheds	Nutrient Response	Rain, Reporting, Regulations: Stormwater Collaboration	Modernizing the Data Flow	Applied Innovations II: Hydroecological Monitoring	Ecological and Community Health	Workshop: Macroinvertebrates.org: An open educational tool and training resource for aquatic macroinvertebrate identification	Workshop: Enhancing water quality monitoring using satellite data products
5:00 – 7:00	Exhibitor Reception								

WEDNESDAY, March 27

8:00 – 8:30	Coffee and Pastry (<i>Majestic Ballroom</i>)								
E Sessions 8:30 – 10:00	E1	E2	E3	E4	E5	E6	E7	E8	E9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Denver</i>	<i>Columbine</i>
	Machine Learning Applications for Predicting Groundwater Quality: Part II	Assessment Tools	Nutrient Flow Paths and Tracking	Monitoring TMDL and BMP Implementation Actions	Modeling Approaches to Reduce Uncertainty	Saddle Up! Harnessing the Power of Citizen Science	Passive Sampling of Trace Contaminants	Workshop: Screening for biological relevance of environmental chemistry data using the toxEval software package, Part I	Panel Discussion: Steps to Increase Interagency Coordination on Water-Quality Monitoring and Data Sharing
10:00 – 10:30	Break								
F Sessions 10:30 – 12:00	F1	F2	F3	F4	F5	F6	F7	F8	F9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Columbine</i>	<i>Denver</i>	<i>Spruce</i>
	Groundwater Quality Monitoring Across North America	Perspectives on Wetlands and Water Quality	Monitoring for Cyanobacteria Blooms and Toxins (HABs)	Monitoring and Assessing Change in Urban Waters	The Next "Wave" in Water-Quality Monitoring	Innovative Collaborative Approaches Equal Success	Biological Data and Indicators: Development and Applications	Workshop: Screening for biological relevance of environmental chemistry data using the toxEval software package, Part II	Workshop: Your Data Means Nothing if No One Knows About it: Analyzing, Synthesizing, and Communicating Your Monitoring Data
12:00 – 1:00	Box Lunch (<i>Grand Ballroom</i>) Exhibits Open in Majestic *EPA Nonpoint Source Monitoring: Open Discussion (<i>Tower C</i>) *USGS Lunch Breakout (<i>Tower B</i>)								
1:00 – 2:00	Exhibit & Poster Viewing (<i>Majestic Ballroom</i>)								

WEDNESDAY, March 27 (continued)

	G1	G2	G3	G4	G5	G6	G7	G8	G9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Columbine</i>	<i>Denver</i>
G Sessions 2:00 – 3:30	Innovative Approaches to State and National Assessments	Sediment Contaminants in Streams and Wetlands	Creative Developments in HAB Monitoring	Microplastics and Trash Monitoring	Monitoring at Different Spatial Scales	Building Blocks for Chesapeake Bay Monitoring Cooperative	Turning Data into Assets	Workshop: Exploring water data in R, the EGRET package and an overview of WRTDS, Part I	Workshop: Protocols for collecting, QCing and analyzing continuous vertical profile temperature data from fixed arrays in lakes, Part I
3:30 – 4:00	Break (<i>Exhibition in Majestic Ballroom</i>)								
	H1	H2	H3	H4	H5	H6	H7	H8	H9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Columbine</i>	<i>Dever</i>
H Sessions 4:00 – 5:30	Monitoring Changes in Groundwater Quality at Various Timescales	Evaluating Estuary Health	Management Perspectives for HABs	Microplastics in Wet Deposition and Aquatic Environments	Water-quality Constituent Delivery and Reactivity from Summit to Sea: Impacts of Altered Land Use and Aquatic System Connectivity	Lessons Learned Through Partnerships	Lake Monitoring and Management	Workshop: Exploring water data in R, the EGRET package and an overview of WRTDS, Part II	Workshop: Protocols for collecting, QCing and analyzing continuous vertical profile temperature data from fixed arrays in lakes, Part II
5:45	Volunteer Monitoring Meeting and Dinner USGS Meeting (<i>Windows Room</i>)								

THURSDAY, March 28

7:00	Volunteer Monitoring “Fluid 5K” Fun Run (\$, R)								
8:00 – 8:30	Coffee and Pastry (<i>Majestic Ballroom</i>)								
I Sessions 8:30 – 10:00	I1	I2	I3	I4	I5	I6	I7	I8	I9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Columbine</i>	<i>Spruce</i>	<i>Denver</i>
	Long-Term Trends in Stream Water Quality	Coastal Dynamics	Monitoring on Agricultural Lands	Contaminant Monitoring	Innovations in Stream Monitoring Methodology	Exploring Outcomes of Collaborative Monitoring	Advancements in Data Collection and Management	Workshop: Developing a monitoring program that delivers results	Panel Discussion: Forging effective use of diatoms in assessment, Part I
10:00 – 10:30	Break (<i>Exhibition in Majestic Ballroom</i>)								
J Sessions 10:30 – 12:00	J1	J2	J3	J4	J5	J6	J7	J8	J9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Columbine</i>	<i>Denver</i>
	PFAS & Groundwater	Tracing Contaminants in the Hydrologic Cycle	Data Into Policy	How is our water quality changing? National and state-scale approaches to analyzing and reporting trends	Long-Term Monitoring Through Regional Partnerships	Unique Strategies for Collaboration	Look! Data Visualization	Panel Discussion: Exploring Causal Hypotheses: What's driving environmental trends and conditions?	Panel Discussion: Forging effective use of diatoms in assessment, Part II
12:00 – 2:00	Awards Luncheon (<i>Grand Ballroom</i>)								
K Sessions 2:00 – 3:30	K1	K2	K3	K4	K5	K6	K7	K8	K9
	<i>Windows</i>	<i>Ballroom 1</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Columbine</i>	<i>Denver</i>
	PFAS Monitoring in Water and Tissue/Pesticide Occurrence	Sediment Transport	Predictions for Decision Support	Monitoring and Assessing for Fecal Contamination	Evaluating Change	Ingredients for Effective Monitoring	Extreme Events	Panel Discussion: Applying the Biological Condition Gradient to Support Water Quality Management, Part I *NO BREAK	Workshop: Introduction to Open-Source Environmental IoT Monitoring with Arduino Framework Data Loggers
3:30 – 4:00	Break (<i>Grand Ballroom Foyer</i>)								

THURSDAY, March 28 (continued)

	L1	L2	L3	L4	L5	L6	L7	L8	L9
	<i>Windows</i>	<i>See L9</i>	<i>Ballroom 2</i>	<i>Tower D</i>	<i>Silver</i>	<i>Vail</i>	<i>Terrace</i>	<i>Columbine</i>	<i>Ballroom 1</i>
L Sessions 4:00 – 5:30	Hydrologic Studies featuring Isotope and Environmental Tracers	Session cancelled	Monitoring Stormwater: Best Management Practices	Evaluating Trends	Linking Multiple Stressors to Stream Ecological Health	Innovative Monitoring to Track State Nutrient Reductions in the Mississippi River Basin	Shale Gas Development and Ground Water Quality	Panel Discussion: Applying the Biological Condition Gradient to Support Water Quality Management, Part II	Panel Discussion: Using the Water Quality Portal for Regional and National Water-Quality Studies

FRIDAY, March 29

M Sessions 8:30 – 10:00	M1	
	<i>Denver</i>	
10:00 – 10:30	Break	
	N1	
	<i>Denver</i>	
N Sessions 10:30 – 12:00	Workshop: Programming IoT Monitoring Stations Built on the Arduino Framework with the EnviroDIY ModularSensor Library, Part II	
9:00 – 1:00	FIELD TRIP: Tour and hike at Red Rocks Amphitheatre (<i>Field trips meet at the Plaza Lobby Entrance – opposite building from registration</i>)	