

NJ Community Water Monitoring Summit

November 13, 2025 | Rutgers Eco Complex (Fieldsboro)



AGENDA

9:30-10:00	Check-In and Light Breakfast	
	Welcome	
10:00-10:15	Welcome to the NJ Community Water Monitoring Summit	Vic Poretti NJDEP
10:15-10:30	<u>Welcome from the NJ Watershed Watch Network</u>	Erin Stretz The Watershed Institute
	Long-Term Monitoring Programs	
10:30-10:50	<u>A Decade of Monitoring the Paulins Kill Watershed Together</u>	Chloe Pearson The Nature Conservancy - NJ
10:50-11:10	Data to Action in the Delaware River Watershed	Faith Zerbe Delaware Riverkeeper Network
11:10-11:30	<u>StreamWatch Stories: Bridging Volunteer Effort and Real-World Data</u>	Jian Smith The Watershed Institute
11:30-12:15	Lunch	
12:00-12:30	Poster Session	
	Novel Experiences	
12:30-12:50	<u>The Paulins Kill Watershed Community: Our Unique Approach for River and Watershed Conservation</u>	David de Wit and Brian Sayre Foodshed Alliance
12:50-1:10	<u>Becoming a Certified Lab with the NJDEP Office of Quality Assurance</u>	Christa Reeves and Craig Fleming Musconetcong Watershed Association
	Water Quality Mitigation Strategies	
1:10-1:30	<u>Rally for the Waterways: A "No-Blame, Find-it, Fix-it" Approach to Pollution Source Trackdown and Elimination</u>	Swarna Muthukrishnan, PhD Clean Ocean Action
1:30-1:50	<u>Mitigation of Persistent Harmful Algal Bloom (HAB) in Lakes using Sustainable Mechanical Separation Approaches</u>	Wen Zhang, PhD New Jersey Institute of Technology
1:50-2:00	Break	
	Data and Assessment Tools	
2:00-2:20	<u>Displaying Current Conditions of Water Quality Data in the NY/NJ Harbor through Tableau Dashboards</u>	Ryan Minor NJDEP
2:20-2:40	<u>Graphing and Processing Continuous Water Monitoring Data</u>	Silvia Clark NJDEP
2:40-3:00	<u>WatershedNJ: Watershed Health Assessment Tool</u>	Janine Barr Rutgers University
3:00-3:30	Small group discussion and feedback Training Capabilities and Needs • Data and Information Sharing • Water Quality Monitoring	
	Optional Networking Happy Hour	Corner House Tavern (Columbus)

POSTERS

Unique Partnerships Support Barnegat Bay Water Quality Monitoring Program

Ryan Hughes
NJDEP

How Community Water Monitoring Data Drives Action and Protects New Jersey's Water Resources

Deborah Kratzer
NJDEP

AmeriCorps NJ Watershed Ambassadors Program

Daniel Magda & Mike Sherr
Americorps NJ Watershed
Ambassador Program

Wargo Pond: Whole System Characterization through Community Collaboration to Design Tailored HAB Restoration

Claire Paul
Western Colorado University, The
Watershed Institute, NJDEP

New Jersey Beaches Floatable Debris Study

Marina Reid
NJDEP

Americorps Projects in the Parks

Cameron Shapiro
Americorps NJ Watershed
Ambassador Program, NJDEP

StreamWatch Water Quality Assessment Framework: A Model for Evaluating Water Quality Based on Volunteer Data

Jian Smith
The Watershed Institute

Road Salt Usage and Its Impact on Overburdened Communities

Erin Stretz
The Watershed Institute

PFAS in Water, Soil, and Air: Mitigation Strategies Using Advanced Membrane, Nanobubble, and Effective Monitoring Tools

Wen Zhang, PhD
New Jersey Institute of Technology

Raman-Based Identification and Quantification of Microplastics in Food and Agricultural Wastes

Guangyu Zhu, PhD
New Jersey Institute of Technology