

2020 Northeast Aquatic Biologists Conference Agenda

March 4 - 6

The Newport Harbor Hotel & Marina - Newport, Rhode Island

Wednesday, March 4

11:00	REGISTRATION		
	GOOSEBERRY ROOM	EASTON'S ROOM	MARINE SUITE
	Volunteer Monitoring	Modeling for CWA Assessments	Contaminants
	Moderator:	Moderator: Brian Duffy	Moderator: Jane Sawyers
1:00	Samplepaloosa! A Collaborative, One-Day, Synoptic Nutrient Monitoring Event in the Connecticut River Watershed <i>Ryan O'Donnell, Connecticut River Conservancy</i>	Building a Molecular Algal Classification Index for Stream Assessments in New Hampshire <i>Alison Watts, University of New Hampshire; David Neils, NH DES</i>	Preliminary Efforts to Characterize PFAS Levels in Connecticut Surface Waters <i>Meghan Lally, CT DEEP</i>
1:30	Using Volunteer Water Quality Monitoring Data for Clean Water Act Assessments, Confirmation Monitoring and Long-Term Trend Monitoring <i>Ted Walsh, NH DES</i>	Modeled Water Quality Criteria, Are They Protective? <i>Rosemary Gatter-Evarts, CT DEEP</i>	Microplastics in Urban Streams of the Northeast Region—A Pilot Study to Assess Conditions across USGS Water Quality Networks <i>Natalie Cheung, USGS</i>
2:00	Trends in New Hampshire's Water Quality <i>Kirsten Nelson, NH DES</i>	Bioassessment Model for Phytoplankton <i>Tom Danielson, ME DEP</i>	taglia <i>Stephanie Wasiczko, Clark University</i>
2:30	BREAK		
	Innovative HABs Monitoring	River Water Quality Monitoring	River Connectivity and Dam Removal
	Moderator:	Moderator:	Moderator:
3:00	Monitoring for Harmful Algae Blooms Using Citizen Scientists <i>Jean Pillo, Eastern Connecticut Conservation Districts</i>	Managing Time Series Data, Creating Plots, and Running R Code with WRDB <i>Tom Danielson, ME DEP</i>	RIDOT Road-Stream Crossing Assessment Handbook <i>Nicole Lineberry, RI DOT; William Guenther, Fuss & O'Neill</i>
3:30	An Evaluation of the Fluoroprobe® for the Management of New York State Lakes <i>Anthony Prestigiaco, NYS DEC</i>	Dissolved Oxygen Monitoring in Support of Determining Biological Response to Phosphorous Loading in Streams <i>Brittney Izbicki, USGS</i>	Assessment to Action: Reconnecting Aquatic Habitat through Resilient Infrastructure <i>Megan Lung, NEIWPPC Hudson River Estuary Program</i>
4:00	Solid Phase Adsorption Toxin Trackers (SPATTs) and Diffusive Gradients in Thin Films (DGT) Samplers for Characterizing Cyanotoxins in Freshwater <i>Jennifer Graham, USGS</i>	Status and Trends of Water Quality Indicators for New Hampshire's River Monitoring Network <i>David Neils, NH DES</i>	Thermal and Dissolved Oxygen Recovery Following Small Dam Removals in Massachusetts <i>Katherine Abbott, UMass Amherst</i>
4:30	Monitoring of Cyanobacteria in Rhode Island Lakes and Ponds Using the Sentinel 2 Spacecraft <i>Darryl Keith, US EPA; Brian Zalewsky, RI DEM</i>	Recent Developments in Connecticut River Monitoring by USGS <i>Jon Morrison, USGS</i>	Restoring Alewife River Herring to the Bronx River, NYC <i>Katie Friedman, NYC Department of Parks and Recreation</i>
5:30	EVENING SOCIAL : BRICK ALLEY PUB & RESTAURANT 140 Thames Street; Second Floor		

Thursday, March 5

SALTWATER DINING ROOM			
8:00	REGISTRATION OPENS; CONTINENTAL BREAKFAST - SALTWATER DINING ROOM		
	GOOSEBERRY/EASTON'S ROOM		
9:00	NEIWPC Executive Director Susan Sullivan and RIDEM Director Janet Coit		
9:15	Chris Yoder, Midwest Biodiversity Institute		
10:15	BREAK		
10:45	David Vallee, NOAA		
SALTWATER DINING ROOM			
12:00	LUNCH		
	GOOSEBERRY ROOM	EASTON'S ROOM	MARINE SUITE
	HABs in the Finger Lakes Studies	Biological Stream Monitoring	Freshwater Bivalves
	Moderator:	Moderator:	Moderator:
1:15	Advanced Water Quality Monitoring to Assess Biogeochemical Processes Related to Harmful Algal Bloom Development, Duration, and Decline in the Finger Lakes, New York <i>Guy Foster, USGS</i>	Monitoring Vermont Reference Streams for Climate Change Impacts <i>Aaron Moore, VT Agency of Agriculture, Food & Markets</i>	Modeling and Monitoring for Rangewide Conservation of a Rare Mussel <i>Allison Roy, USGS</i>
1:45	Preliminary Analyses of Continuous Water Quality Data from Sensors Deployed at Cyanobacterial Harmful Algal Bloom Monitoring Stations <i>Kaitlyn Colella, USGS</i>	mmir: An R-package for Simple Biological Metric Calculations <i>Zachary Smith, NYS DEC</i>	Propagation as a Tool for Restoration of a State Endangered Freshwater Mussel <i>Ayla Skorupa, UMass Amherst</i>
2:15	Multifaceted Monitoring to Determine Factors Contributing to CyanoHABS in the New York Finger Lakes <i>Michael Stouder, USGS</i>	Examining the Variability in Biological Metrics and Assemblage Data across Temporal Scales: Working towards Multi-Tiered Biological Assessment of Rivers and Streams in Connecticut <i>Mary Becker, CT DEEP</i>	Fish Assessments to Inform Recovery of Dwarf Wedgemussel <i>Jennifer Ryan, UMass Amherst</i>
2:45	BREAK		
	Lake Management and Analysis	Low-Gradient Stream Biocriteria	Estuary Monitoring and Assessment
	Moderator:	Moderator: Dahlia Tympanick	Moderator: Ian Dombroski
3:00	Synthesis of Empirical Research Investigating the Effects of Annual Wintertime Water Level Drawdowns on Littoral Zones in Massachusetts Lakes <i>Jason Carmignani, MassWildlife</i>	Establishing Biological Criteria for Vermont's Low Gradient Wadeable Streams <i>Aaron Moore, VT Agency of Agriculture, Food & Markets</i>	Benchmarking Watershed Condition for Aquatic Biointegrity Outcomes and Nutrient Criteria Development with Examples for Long Island Sound Coastal Watersheds <i>Paul Stacey, Footprints in the Water, LLC</i>
3:30	Using Bathymetry Data to Evaluate the Impact and Potential Effectiveness of Lake and Pond Management <i>Jason Stolarski, MassWildlife</i>	Development of an Index of Biotic Integrity for Macroinvertebrates in Freshwater Low-Gradient Wadeable Streams in Southern New England <i>Jen Stamp, Tetra Tech Center for Ecological Sciences</i>	Water Quality Conditions in the Sakonnet River, Rhode Island 2018-2019 <i>Jason Sorenson, USGS</i>
4:00	Developing an Index of Lake Habitat Quality for New England Lakes <i>Jeremy Deeds, ME DEP; Douglas Sutor, ME DEP</i>	Evaluating Macroinvertebrate Metrics from Low Gradient Stream Habitat in Connecticut <i>Ansel Aarrestad, CT DEEP</i>	U.S. Geological Survey Discrete and Continuous Water Quality Monitoring in the Pawcatuck River Watershed Rhode Island and Connecticut <i>Kaitlin Laabs, USGS; Theresa Armijo, USGS</i>
4:30	SALTWATER DINING ROOM : POSTER SESSION		
6:00	BANQUET DINNER : GAS LAMP GRILLE 206 Thames Street; Second Floor		

Friday, March 6

SALTWATER DINING ROOM

8:00	REGISTRATION OPENS; CONTINENTAL BREAKFAST - SALTWATER DINING ROOM		
	GOOSEBERRY ROOM	EASTON'S ROOM	MARINE SUITE
	Lake Indicators	Modeling Ecological Relationships	Watersheds & Water Quality
	Moderator:	Moderator: Dahlia Tympanick	Moderator:
9:00	<p style="text-align: center;">Diatoms as an Indicator Of Water Quality For Squam and Newfound Lake</p> <p style="text-align: center;"><i>Sydney Welch, Plymouth State University</i></p>	<p style="text-align: center;">Comparison of Macroinvertebrate Bioindicators to Ecosystem Function across a Gradient of Agricultural Impairment</p> <p style="text-align: center;"><i>Corey Conville, US EPA</i></p>	<p style="text-align: center;">Wallkill Watershed Monitoring, 2017 and Beyond</p> <p style="text-align: center;"><i>Brian Duffy, NYS DEC</i></p>
9:30	<p style="text-align: center;">Lake Iron Nodules - An "Index Mineral" To Assess Sulfate Impacts to Surface Water and Sediment Quality Over Time (Pre-1800s to Today) in New England Lakes, Ponds, and Rivers</p> <p style="text-align: center;"><i>Jonathan Higgins, Higgins Environmental Associates, Inc.</i></p>	<p style="text-align: center;">Assessing Relationships between Physical Parameters of Streams and Macroinvertebrate Assemblages in New York State</p> <p style="text-align: center;"><i>Jane VanVessem, Research Foundation for SUNY ESF</i></p>	<p style="text-align: center;">Creating a High Resolution Spatial Statistical Network Model to Guide Riparian Restoration Strategies in a Transboundary Watershed</p> <p style="text-align: center;"><i>Stephanie Figary, Cornell University; Naomi Detenbeck, US EPA Cara O'Donnell, Houlton Band of Maliseet Indians</i></p>
10:00	<p style="text-align: center;">Invasive Invertebrate Species Detection in Northeast Regional Lakes Using Environmental DNA (eDNA)</p> <p style="text-align: center;"><i>Denise Blanchette, ME DEP; Alison Watts, University of New Hampshire</i></p>	<p style="text-align: center;">A Multimetric Index for Assessing Macroinvertebrates in Massachusetts Streams</p> <p style="text-align: center;"><i>Ben Jessup, Tetra Tech Center for Ecological Sciences</i></p>	<p style="text-align: center;">Edge-of-Field Nutrient and Sediment Monitoring in the Genesee River Watershed, New York</p> <p style="text-align: center;"><i>Andrew Kowalczyk, USGS</i></p>
10:30	BREAK		
	Fish Assemblages	Stream Flow	Microbial Source Tracking
	Moderator:	Moderator:	Moderator:
11:00	<p style="text-align: center;">Cold Water Stream Habitat in Connecticut</p> <p style="text-align: center;"><i>Christopher Bellucci, CT DEEP</i></p>	<p style="text-align: center;">Coordinated streamflow releases to improve conditions in the Stony Brook watershed, Massachusetts</p> <p style="text-align: center;"><i>Kate Bentsen, Massachusetts Division of Ecological Restoration; Adam Questad, Geosyntec Consultants</i></p>	<p style="text-align: center;">Collaborative Water Quality Monitoring in the Palmer River Watershed and Innovative use of the PhyloChip DNA Micro-Array</p> <p style="text-align: center;"><i>Heidi Travers, RI DEM; Ian Dombroski, US EPA</i></p>
11:30	<p style="text-align: center;">Eighteen Years on The Lower Kennebec River, Maine 2002-2019: Fish Assemblage Composition And Responses To Diadromous Fish Management</p> <p style="text-align: center;"><i>Chris Yoder, Midwest Biodiversity Institute</i></p>	<p style="text-align: center;">Machine Learning Strategies for Image Based Instream Water Flow Classification</p> <p style="text-align: center;"><i>Timothy Becker, University of Hartford</i></p>	<p style="text-align: center;">Assessments of Fecal Contamination Sources Using Microbial Source Tracking in Long Island</p> <p style="text-align: center;"><i>Tristen Tagliaferri, USGS</i></p>