The Virtual NAB Conference, coordinated by NEIWPCC in partnership with member states and EPA, preserves the spirit and tradition of providing a forum for the professional sharing of knowledge and collaboration that the aquatic and environmental biologist community in the Northeast represents.

We will miss seeing you in person; however, your health and safety are our top priorities. We have adapted accordingly to deliver content, networking, and social events virtually to provide you the same great event in a new way!

Use this agenda as a roadmap to the conference. You will find clickable links throughout that will guide you to our Microsoft Teams platform, live, and on-demand sessions.

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MARCH 3 - DAY 1

CLICK TO JOIN DAY 1 SESSION

Eastern Time

12:00 PM Introduction & Platform Overview
   Maryann Dugan, Environmental Analyst, NEIWPCC
   
   Words of Welcome
   Northeast Aquatic Biologists Conference Planning Team

12:30 PM ~ Commercial Break ~

12:45 PM Multivariate Assessments of Lake Water Clarity Trends with Dynamic Factor Analysis
   Jeremy Deeds, ME DEP

1:25 PM Lessons Learned from Three Decades of Water Quality Monitoring on Lake Champlain
   Matthew Vaughan, NEIWPCC

2:05 PM Exploring Patterns in Long-Term Data at Minnesota’s Sentinel Lakes
   Tim Martin, MN DNR

2:45 PM ~ Commercial Break ~

3:00 PM Regional Monitoring Network Virtual Round Table
   Northeast Regional RMN Partners

4:30 PM ~ Commercial Break ~

5:00 PM Trivia
   (Please see the Day 1 Channel to sign up)

CLICK TO JOIN DAY 1 SESSION

12:00 PM - 6:00 PM EST
Eastern Time

8:15 AM  Informing High Quality Stream Assessment by Exploring Temporal Variability in Macroinvertebrate Assemblages Across the Biological Condition Gradient in Connecticut
   Mary Becker, CT DEEP

8:55 AM  Low Gradient Macroinvertebrate Indices for Southeastern New England
   Ben Jessup, Tetra Tech

9:35 AM  Analysis of Algal Growth in Lake George, NY as an Indicator of Water Quality Impacts from Land Use
   Bregieta Arvidson, The FUND for Lake George

10:10 AM  ~ Commercial Break ~

10:30 AM  PLENARY SESSION:
   The Biological Condition Gradient: Status and Work Underway
   Susan Jackson, US EPA

   From Policy to Practice: Setting Ecological and Nutrient Criteria to Achieve Good Ecological Status in Surface Waters
   Martyn Kelly, Bowburn Consultancy

12:00 PM  ~ Commercial Break ~

12:15 PM  Exhibitor Meet-Up

JOIN HERE
MARCH 9 - DAY 3
CLICK TO JOIN DAY 3 SESSION

Eastern Time

12:00 PM 303(d)?!?! Dam, Not Me! The Partnership-Powered Maxwell Pond Dam Removal and Black Brook Restoration Success Story in Manchester, NH
   Steve Landry, NH DES

12:40 PM Regional Pollution of Groundwater by Road Salt in the Adirondack Park
   Dan Kelting, Paul Smith’s College Adirondack Watershed Institute

1:20 PM Sensor-Based Detection of Algal Blooms for Public Health Advisories and Long-Term Monitoring in Eutrophic Waters
   McNamara Rome, Northeastern University

2:00 PM ~ Commercial Break ~

2:15 PM Improving Data Collection and Management with R, Survey123, & Office 365
   Ansel Aarrestad, CT DEEP

2:50 PM The Standardization and Automation of Data Management Strategies for Accurate and Efficient Water Quality Monitoring and Assessments
   Zachary Smith, NYS DEC

3:25 PM Bio-Shiny: Using R Shiny for the Application of Indices of Biotic Integrity
   Benjamin Block, Tetra Tech

4:00 PM ~ Commercial Break ~

4:15 PM On-Demand Sessions - Live Q & A Rooms
   Sessions are grouped by category, as noted in this agenda. Links on pg 7 & 8.

5:15 PM Evening Mixer
   (Please see the Day 3 Channel to sign up)

CLICK TO JOIN DAY 3 SESSION

12:00 PM - 6:00 PM EST
**Eastern Time**

**8:15 AM**  **Student Coffee Meetup**  
*Caffeinate with Experts in the Northeast!*

**9:00 AM**  ~ Commercial Break ~

**9:15 AM**  **Maine Stream Explorers: Citizen Scientists Identifying Stream Macroinvertebrates**  
*Tom Danielson, ME DEP*

**9:55 AM**  **CREEQ: Linking Public Perceptions to Biochemical Indicators of Stream Water Quality**  
*Delaney Demro, SUNY College of Environmental Science and Forestry*

**10:30 AM**  ~ Commercial Break ~

**11:00 AM**  **Drought Effects on Water Quality in New Hampshire (Revisited)**  
*Michele Condon, NH DES*

**11:40 AM**  **Free R-based Tools for Quality Control (QC) and Summary/Visualization of High Frequency Data in Streams and Lakes**  
*jen Stamp, Tetra Tech*

**12:15 PM**  **Mercury in Fish from Streams and Rivers in New York State: Spatial Patterns and Environmental Drivers**  
*Karen Murray, U.S. Geological Survey*

**12:50 PM**  **Closing Remarks**  
*Maryann Dugan, NEIWPCC*
**BIOMONITORING**

**Toxic Metal Bioaccumulation in Dammed Streams: Implications for Food Webs**
Sam Spelman, Massachusetts Cooperative Fish and Wildlife Research Unit; UMass Amherst, Department of Environmental Conservation

**Sampling and Analysis to Develop an Invertebrate IBI for Long Island Sound Embayments**
Anna Hamilton, Tetra Tech

**Monitoring and Management of Invasive Common Reed Grass (Phragmites australis)**
David Wong, MassDEP

**eDNA Monitoring in Aquatic Systems**
Alison Watts, University of New Hampshire

**FISH**

**Nineteen Years on the Lower Kennebec River, Maine 2002-2020; Fish Assemblage Composition and Responses to Diadromous Fish Management**
Chris Yoder, Midwest Biodiversity Institute

**The Last Frontier (almost) – Developing an IBI for NH’s Warmwater Fish**
Andy Chapman, NH DES

**Do Clam Shells Reduce the Impacts of Stream Acidification in Eastern Maine?**
Emily Zimmermann, ME DEP

**A Model for Estimating Baseflow for Streams Home to Endangered Atlantic Salmon**
Pamela Lombard, USGS

**CHLORIDE**

**Chloride Concentrations Across New York State Flowing Waters**
Charles Stoll, NEIWPCC

**Examining a Long-Term Conductivity and Chloride Dataset for Several NH Headwater Lakes**
Scott Ashley, NH DES

**Effects of Road Salting on Surface Water Chemistry of Adirondack Lakes**
Brendan Wiltse, Paul Smith’s College Adirondack Watershed Institute

**The Influence of Fluctuating and Variable Temperature Regimes on Wood Frog Tadpoles Within Vernal Pools**
Nicole Dahrouge, University of Connecticut
ON-DEMAND SESSIONS

CYANOBACTERIA AND LAKE MONITORING

How Toxic Are Cyanobacteria Blooms in New Hampshire Lakes?
Amanda McQuaid, NH DES

Preliminary Findings from the Intensive Lake Characterization of Chlorophyll-a and Cyanobacteria in Skaneateles and Canandaigua Lakes, NY
Anthony Prestigiacamo, NYS DEC

The Use of Field Instruments to Quantify Chlorophyll-a and Phycocyanin Concentrations in Skaneateles Lake
Aimee Clinkhammer, NYS DEC

Calibration of a Sentinel-2 Satellite Model for Chlorophyll-a in Two Oligotrophic Finger Lakes
Lewis McCaffrey, NYS DEC

A-POD HAB Trap and Removal Process: National Science Foundation Funded - Harmful Algae/Cyanobacteria Removal Process

The Adirondack Lake Assessment Program: Success and Challenges of a Homegrown Volunteer Monitoring Program
Elizabeth Yerger, Paul Smith’s College Adirondack Watershed Institute

Exploring the First Several Years of High Frequency Temperature, Dissolved Oxygen, and Water Level Data from Lakes in the Northeast Regional Monitoring Network (RMN)
Jen Stamp, Tetra Tech

RESTORATION AND PLANNING

Bronx River Dam Removal Feasibility Assessment, NYC
Katie Friedman, NYC Parks Natural Resources Group

Geologic History of Mill River Sediment
Seth Strauss, UMass Boston

A Look Back at the Action Agenda: Barrier Removal from 2015-2025 in the Hudson River Estuary
Megan Lung, NYS DEC Hudson River Estuary Program/NEIWPCC

Hydrological Evaluation of Tidal Restrictions at Rumney Marsh in Revere and Saugus, Massachusetts
Edward Reiner, US EPA

Stormwater Mitigation Planning to Address TMDLs: A Cost-Effective, Scalable Approach
Sarah Nalven, VHB

Transformative Toronto Watershed Management: Driven by Data
Michael Casey, Aquatic Informatics