

MARCH 2-4, 2022



NORTHEAST AQUATIC BIOLOGISTS CONFERENCE

PORTLAND, MAINE

MARCH 2-4, 2022

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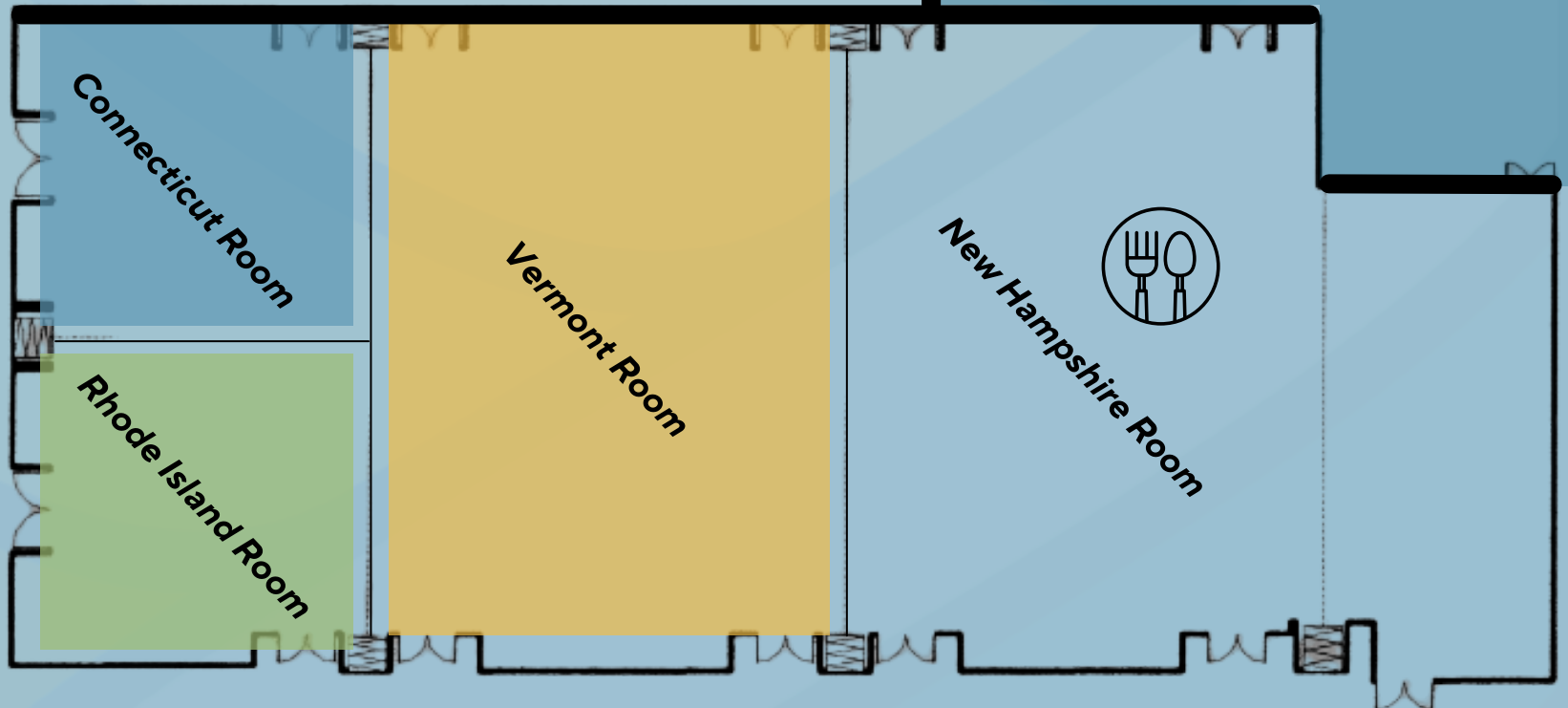
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PORTLAND, MAINE

HOLIDAY INN BY THE BAY

Registration

Hotel Lobby



← Exhibitors & Posters →



PORTLAND, MAINE

WEDNESDAY, MARCH 2, 2022

| | Streams & Stakeholders <i>Connecticut Room</i> moderator: Dahlia Tympanick | Urban Streams <i>Rhode Island Room</i> moderator: Kirsten Hugger | Aquatic Invasive Species <i>Vermont Room</i> moderator: Kellie Merrell |
|------|--|---|---|
| 1:00 | <u>Streamflow and Water Quality Monitoring of the Nissequogue River in Suffolk County, New York</u> Natalie Cheung, USGS | <u>Assessment of Fecal Contamination Sources to Alley Creek, Queens County, New York</u> Shawn Fisher, USGS | <u>Pathways of Invasion: Recreational Boater Activity, Aquatic Invasive Species Distribution, and Landscape Level Connectivity to Inform Management and Prevention in New York State</u> Michale Glennon, Paul Smith's College |
| 1:30 | <u>Assessing Propagated Brook Floater Growth and Survival Across Four Rivers</u> Ayla Skorupa, UMass Amherst | <u>Variability in Dissolved Organic Carbon Across Urban Streams in Boston, Massachusetts</u> Annika Quick, Idaho State University, MA Cooperative Fish & Wildlife Research Unit, UMass Amherst | <u>eDNA Methods to Detect Invasive Invertebrates in Northeast Lakes</u> [RECORDING] Denise Blanchette, ME DEP |
| 2:00 | <u>The Importance of Stakeholder Engagement in Aquatic Barrier Removal, Case Studies from the Hudson River Estuary Watershed</u> Megan Lung, NYSDEC HREP/ NEIWPCC | <u>The Connection Between Sediment Resuspension, Turbidity and Fecal Indicator Bacteria Concentration and Their Effect on the Bacterial Water Quality of the Harlem River, New York</u> Ashley Smith, USGS [RECORDING] | <u>Herbicides Application to Manage Aquatic Invasive Species in Massachusetts</u> Davis Miller, Northeastern University David Wong, MassDEP |
| 2:30 | Break | | |
| | Fish Monitoring & Modeling <i>Connecticut Room</i> moderator: Richard Friesner | Restoration & Habitat Enhancement <i>Rhode Island Room</i> moderator: Jeanne DiFranco | National Lake Assessments <i>Vermont Room</i> moderator: Kellie Merrell |
| 3:00 | <u>Applying the Biological Condition Gradient to U.S. EPA Region 2 Coral Reefs</u> Ben Jessup, Tetra Tech | <u>Long Term Impact of Large Wood Additions on Instream Habitat and Eastern Brook Trout (Salvelinus fontinalis) in Forested First Order Streams</u> Katherine Lewis, Tin Mountain Conservation Center | <u>Probabilistic Assessment of New Hampshire's Lakes, Ponds, and Reservoirs</u> [RECORDING] Kirsten Hugger, NH DES |
| 3:30 | <u>Twenty Years on the Lower Kennebec River, Maine 2002-2020: Fish Assemblage Composition and Responses to Diadromous Fish Management</u> Chris Yoder, Midwest Biodiversity Institute | <u>Indicators of Success: Restoration Monitoring in Vermont</u> Laura Lapierre & Charlie Hohn, VT DEC | <u>Results of New York State's Probability Based Lake Sampling</u> Alene Onion, NYS DEC |
| 4:00 | <u>Using Seasonal Water Temperature Data as a Primary Tool for the Development of a Targeted Approach to Coldwater Fisheries Restoration</u> Sal DeCarli, EA, Inc. | | <u>Littoral Habitat Condition Assessment Indices for Lakes in Maine and New England</u> Jeremy Deeds, ME DEP |
| 5:00 | Social Event: Liquid Riot Bottling Company 250 Commercial St, Portland, ME 04101 | | |

THURSDAY, MARCH 3, 2022

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| 8:00 | Breakfast: <i>New Hampshire Room</i> | | |
| 9:00 | Words of Welcome [RECORDING] Susan Sullivan, NEIWPCC & Tom Danielson, Maine DEP <i>Vermont Room</i> | | |
| 9:15 | Plenary: <u>The Biological Condition Gradient for Export: Taking Our Biomonitoring Experience Abroad</u> <u>Dave Courtemanch, The Nature Conservancy</u> <i>Vermont Room</i> | | |
| 10:15 | Break | | |
| 10:45 | Conference Keynote Address [RECORDING] Maulian Dana, Penobscot Nation Tribal Ambassador <i>Vermont Room</i> | | |
| 12:00 | Lunch <i>New Hampshire Room</i> | | |
| | New York Lakes & Reservoirs <i>Connecticut Room</i> moderator: Robert Smith | Winter Lake Drawdowns <i>Rhode Island Room</i> moderator: Jeremy Deeds | Climate Change <i>Vermont Room</i> moderator: Dahlia Tympanick |
| 1:15 | <u>Structured Decision-Making Framework for Managing Cyanobacterial Harmful Algal Blooms in New York State Parks</u> <u>Jennifer Graham, USGS</u> | <u>Flipping the Flow Regime: Examining How Winter Lake Drawdowns Impact Downstream Flows and Temperature</u> <u>Alec Baker, UMass Amherst</u> | <u>Stream Macroinvertebrate Reintroductions: A Cautionary Approach for Restored Urban Streams</u> <u>Allison Roy, USGS, MA Cooperative Fish & Wildlife Research Unit, UMass Amherst</u> |
| 1:45 | <u>Multi-Beam Bathymetry for Morphology and Habitat Mapping: Examples from the New York City Water Supply Reservoirs</u> <u>Elizabeth Nystrom, USGS</u> | <u>A Cloud-Based Framework to Characterize Winter Water Level Drawdown of Lakes in the Northeast United States Using Satellite Remote Sensing</u> <u>Abhishek Kumar, UMass Amherst</u> | <u>Enhancing Resilience of Riverine Fishes Through Dam Removal</u> <u>Katherine Abbott, UMass Amherst</u> |
| 2:15 | Break | | |

(CONTINUED ON NEXT PAGE)

THURSDAY, MARCH 3, 2022

| | CyanoHAB Monitoring Connecticut Room moderator: Jennifer Graham | Emerging Contaminants in Water & Wildlife Rhode Island Room moderator: Heidi Travers | Regional Monitoring Networks Vermont Room moderator: Suzanne Flint |
|------|---|--|--|
| 2:30 | <u>An Introduction to SPATT (Solid Phase Adsorption Toxin Tracking) Tools and Their Use in Monitoring Cyanotoxins</u> Joshua Rosen, USGS | <u>PFAS and Other Contaminants of Emerging Concern in the Bronx River, New York City, New York</u> Irene Fisher, USGS | <u>Exploring High Frequency Temperature and Hydrologic Data and Annual Macroinvertebrate Data from Streams in the Northeast Regional Monitoring Network (RMN)</u> Jen Stamp, Tetra Tech |
| 3:00 | <u>Assessing Efficacy of Solid Phase Adsorption Toxin Trackers (SPATTs) and Diffusive Gradients in Thin Films (DGT) Samplers as Indicators of the Presence of Cyanotoxins in the New York Finger Lakes</u> Michael Stouder, USGS | <u>PFAS Fish Tissue Monitoring and Experiment in Maine</u> Tom Danielson, ME DEP | <u>The Northeast Sediment Diatom Collaborative: How a NAB Conference Workshop Spurred a Regional Collaboration</u> [RECORDiNG] Kellie Merrell, VT DEC |
| 3:30 | <u>Cyanotoxin Occurrence Along the Freshwater to Marine Continuum: A Pilot Study in the Northeastern United States</u> Guy Foster, USGS | <u>Understanding Bioaccumulation of PFAS in Freshwater Biota in the Mousam River, Maine</u> Erasme Uyizeye, University of Rhode Island | <u>Edge-of-Field Nutrient and Sediment Monitoring in Great Lakes Priority Watersheds</u> [RECORDiNG] Andrew Kowalczyk, USGS |
| 4:00 | <u>Comparison of Imaging Flow Cytometry and Manual Counts for Assessing Ecological Status and Harmful Cyanobacterial Bloom Monitoring</u> Sabina Perkins, USGS | <u>A First Look at Ambient Monitoring of Contaminants of Emerging Concern in New York State Rivers and Streams</u> Alene Onion, NYS DEC | Discussion: Regional Monitoring Networks |
| 4:30 | Exhibitor & Poster Session <i>Exhibitor Hall</i> | | |
| 6:00 | Banquet & Awards <i>New Hampshire Room</i> | | |

FRIDAY, MARCH 4, 2022

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| 8:00 | Breakfast: New Hampshire Room | | |
| | Data Visualization & Automation Connecticut Room moderator: Tom Danielson | Watershed Assessments & Real-Time Data Rhode Island Room moderator: Guy Foster | Nutrient Loading Vermont Room moderator: Jane Sawyers |
| 9:00 | <u>Visualization and Evaluation of Time Series Data for Biological Assessments</u> Robert Smith, MassDEP | <u>A Water-Resource and Road-Condition Monitoring Study of Alternative Treatments for Road Deicing</u> Natasha Drotar, USGS | <u>Blackstone River Nutrient-Related Improvements Leading to Clean Water Act Success in RI</u> Heidi Travers, RIDEM |
| 9:30 | <u>RShiny and RMarkdown: Solutions to Static Reporting Methods and Perhaps the Death of MS Word</u> Benjamin Block, Tetra Tech | <u>Filling in the Blanks: How High Temporal Resolution Monitoring of two Massachusetts Reservoirs Reveals Short-Term Water Quality Trends</u> Hannah Lee, MWRA | <u>Using a 3D Coupled Hydrodynamic-Aquatic Ecosystem Model to Evaluate Alternatives for Controlling Internal Phosphorus Loading in Misisquoi Bay</u> Meghan Arpino, Stone Environmental, Inc. Ashton Kirol, University of Vermont |
| 10:00 | <u>Computational Methods for Image Based Stream Connectivity Classification</u> [RECORDING] Timothy Becker, University of Hartford Mary Becker, CT DEEP | <u>Dissolved Oxygen Monitoring in Great South Bay, Long Island, NY, in Support of Coastal Resource Management</u> [RECORDING] Kaitlyn Finkelstein, USGS | <u>Use of Aluminum Compounds as a Tool to Achieve a Hypolimnetic Reduction in the Total Phosphorus Load in Nippo Lake, Barrington, NH</u> [RECORDING] Kirsten Hugger, NH DES |
| 10:30 | Break | | |
| | NAB Conference Recordings Connecticut Room | NAB Community Discussion Rhode Island Room | Acidification Vermont Room moderator: Jeremy Deeds |
| 11:00 | Did you miss any of the NAB Conference's recorded presentations? | Do you have a current or future project or initiative you'd like to discuss? | <u>Somewhere Between Hard Science and Hand-Waving, Using Continuous Water Quality Monitoring Data to Interpret Stream Response in Atlantic Salmon Habitat</u> Emily Zimmermann, ME DEP |
| 11:30 | Come to the Connecticut Room to check out our pre-recorded sessions. | Come to the Rhode Island Room for an informal conversation about NAB Community developments. | <u>The Long-Term Response of Remote Acid-Impaired Lakes in Vermont to Reduced Acid Rain Inputs</u> [RECORDING] Bruce Forsberg, VT DEC |

Thank you for attending NAB 2022! See you next year in Massachusetts!