

# Maximizing Your Lake Data

## April 29-30, 2022 - DRAFT AGENDA

### **Friday April 29, 2020 - Fort William Henry Conference Center**

*(The conference center is located across the parking lot from the hotel.)*

8:30 AM - Exhibitor Set Up - Albany and Fort Edward Rooms

8:30AM - Silent Auction Set Up - Glens Falls Room

8:30AM - Student Poster Session Set Up - Tupper Lake Room and (if needed) Indian Lake Room

9:00AM - Registration begins at the conference center

9:00AM - Coffee/fruit available in the Fort Edward Room

### **SESSION A1 - CSLAP Updates and New Online Data Entry for 2022 CSLAP Volunteers**

Long Lake Room, Lower Level, Fort William Henry Conference Center

10:00AM—10:30AM - “20221 Reports, Trends, Highlights, Changes, Any Questions?” - Stephanie June, Research Scientist, NYS DEC

10:30AM - 11:00AM - “Updates to the Sampling Protocol and Bottles” - Nancy Mueller, Executive Director, NYSFOLA

11:00AM - noon - “Using the New DEC Online Field Data Entry and HABs Reporting” - Stephanie June, Research Scientist, NYS DEC

### **SESSION A2 - Student Poster Presentations (Ongoing throughout the conference)**

#### **Drop in anytime!**

Tupper Lake Room and Indian Lake Room (if needed), Fort William Henry Conference Center

- Meteorological and Limnological Precursors to Cyanobacteria (HABs) Blooms in Seneca & Owasco Lakes, Joanna Shaw, Hobart and William Smith Colleges
- Spatial and Temporal Changes in Zebra and Quagga Mussels in Seneca Lake, Stephanie Stone, Hobart and William Smith Colleges
- Spatial and Temporal Change of Large Rainfall Events in the Central Finger Lakes Region, Timothy Jones, Hobart and William Smith Colleges
- Multidecadal Temperature Records from the Finger Lakes - Janne Knieke, Hobart and William Smith Colleges
- Thirty Years of Water Quality Changes in East Caroga Lake - Lucas Le Tarte, SUNY Oneonta
- Tracking Nutrient Sources in Duane Lake - Jessica Casey, SUNY Oneonta
- Troubled Lake in the Adirondacks Looking for Helpful Thoughts - Ben Cuppett, SUNY Oneonta

## **SESSION A3 - Lake Trivia Contest**

Village Blacksmith Lounge, Fort William Henry Conference Center

Back by popular demand! Join our fun as our contestants answer trivia questions about New York lakes - where a background in limnology may or may not be useful. Our contestants: AJ Reyes, Aquatic Ecologist, Northeast Aquatic Research; Chris Mikolajczyk, Senior Project Manager - Aquatics, Princeton Hydro, LLC, and Laurel Wolfe, NYSFOLA Board of Directors and Association Manager, APO Sleepy Hollow Lake.

**12:00 noon - 1:00 PM - Lunch (for ticket holders)** - White Lion Room, Fort William Henry Hotel

**1:00PM - 1:30PM - Welcome & Logistics** - Lake George Room North

Visit the Exhibitor area and bid on items at the Silent Auction throughout the day.

## **SESSION B1 - Lake Management Challenges**

Lake George Room North, Fort William Henry Conference Center

1:30PM - 2:00PM - "Managing Urban Lakes: Unique Challenges and Needs" - Dr. Steven Sousa, Owner, Clean Waters Consulting

2:00PM - 2:30PM - "Why TMDL's are the Death Knell to Lakes" - Dr. George Knoecklein, Owner and Principal Scientist, Northeast Aquatic Research

2:30PM - 2:45PM - Break

2:45PM - 3:15PM - "The Importance of Hands-On Field Education and Exposure with Regards to Monitoring Data" - Chris Mikolajczyk, Senior Project Manager - Aquatics, Princeton Hydro, LLC in collaboration with Dr. Curt Stager, Department of Natural Science, Paul Smiths College

3:15PM - 3:45PM - "The Impact of Artificial Circulation Devices and Aquatic Invasives in Otsego Lake, NY" - Sierra Stickney and Dr. Kiyoko Yokota, SUNY Oneonta

3:45PM - 4:15PM - "Assessing Trends and Quantifying the Internal Phosphorous Load of Lake Hopatcong Utilizing a 30-Year Continuous Database" - Patrick Rose, Aquatic Specialist, Princeton Hydro, LLC

## **SESSION B2 - Aquatic Invasive Species in New York Lakes**

Lake George Room South, Fort William Henry Conference Center

1:30PM - 2:00PM - "Aquatic Invasive Species Efforts Across New York" - Dr. Catherine McGlynn, Aquatic Invasive Species Coordinator, NYS DEC, Lauren Speziale, Waterbody Program Coordinator, NYOPRHP and Matthew Brincka, Invasive Species Biologist, NYOPRHP

2:00PM - 2:30PM - "Leveraging iMAP Invasives for Your Lake" - Dr. Jennifer Dean, Biologist, NY Natural Heritage Program

2:30PM - 2:45PM - Break

2:45PM - 3:15PM - "Make Your Efforts Count: Harnessing iMAP Invasives to Monitor Change Over Time in Water Chestnut Infestations and Track the Effectiveness of Treatment Efforts" - Dr. Steve Pearson, Research Scientist, NYS DEC and Mitchell O'Neill, Invasive Species End User Support Specialist, NY Natural Heritage Program

3:15PM - 3:45PM - "Use of Artificial Substrate to Monitor Dreissenid Populations as a Supplement to an Existing Citizen-Science Water Quality Monitoring Program" - Abby Webster, SUNY ESF

3:45PM - 4:15PM - "An Update on Milfoil and Curlyleaf Pondweed Control with ProcettaCOR EC and Other Herbicides" - Glenn Sullivan, Environmental Scientist, SOLitude Lake Management

### **SESSION B3 - Diet for a Small Lake - Lake Ecology 101**

Long Lake Room, Fort William Henry Conference Center

1:30PM - 4:15PM - Join Dr. Bill Harman and Matt Albright from the SUNY Oneonta Biological Field Station as they discuss the basics of lake ecology and how to address your lake management issues. If you're new to NYSFOLA, just learning about lakes, or want a refresher course, this session is for you!

### **SESSION B4 - Student Poster Presentations**

Tupper Lake Room and Indian Lake Room, Fort William Henry Conference Center

(See Session A2)

**4:15PM - 5:00PM** - Visit the Exhibitors and the Silent Auction

**5:00PM - 6:15PM** - **Annual NYSFOLA Wine and Cheese Party** - Village Blacksmith Lounge, Fort Edwards Room and Albany Room

**6:30PM** - **NYSFOLA Annual Dinner and Awards Banquet (for ticket holders)** - White Lion Dining Room, Fort William Henry Hotel

## **Saturday April 30, 2022**

**7:00AM - 8:30AM** - Breakfast (for ticket holders) - White Lion Dining Room, Fort William Henry Hotel

**8:00AM - 9:00AM** - Registration - Fort William Henry Conference Center (continues throughout the day), Warrensburg Room

**9:00AM** - Sessions begin

### **SESSION C1 - Harmful Algal Bloom Management**

Lake George Room North, Fort William Henry Conference Center

**9:00AM - 9:30AM** - "NYHABs and Other Updates from NYS DEC" - Dr. Rebecca M. Gorney, Research Scientist, NYS DEC

**9:30AM - 10:00AM** - "Taking Your Monitoring to the Next Level: Incorporating Real-Time Microscopy into Community Sampling Programs for Harmful Algal Blooms" - Dr. Gregory Boyer, Emeritus Professor of Biochemistry, SUNY ESF

**10:00AM - 10:30AM** - "HABAlert: Real-Time HAB Monitoring via Artificial Intelligence Enhanced Digital Microscopy" - Igor Mrdjen, Project & Science Lead at BloomOptix-Ramboll

**10:30AM - 10:45 AM** - Break

**10:45AM - 11:15AM** - “Using Actionable Data to Achieve Successful HAB Control” - Dr. EJ Neafsy, LG Sonic

**11:15AM - 11:45AM** - “Long Term Monitoring Indicates Changes in Seasonal Lake Stratification with Potential Impacts for the Formation of Harmful Algal Blooms” - Vincent Moriarty, Environmental Monitoring and Management Research Engineer, IBM

## **SESSION C2 - Maximizing Your Lake Data**

Lake George Room South - Fort William Henry Conference Center

**9:00AM - 9:30AM** - “Accessing and Using US Geological Survey Water Information” - Alicia Gearwar, Supervisory Hydrologist and the Database Management Specialist U.S. Geological Survey, New York Water Science Center

**9:30AM - 10:00AM** - “CSLAP and Customized Monitoring: How Additional Data is Helping Sleepy Hollow Lake” - Chris Mikolajczyk, Senior Project Manager - Aquatics, Princeton Hydro LLC

**10:00AM - 10:30AM** - “Management Strategies used on Otsego Lake Based on Long-Term Trends in Water Quality, Introduction of Exotic Species, In-Lake Anthropogenic Problems, and Emerging Contaminants” - Dr. Bill Harman, Biological Field Station Director, SUNY Oneonta

**10:30AM - 10:45AM** - Break

**10:45AM - 11:15AM** - Black Lake Aquatic Plant Management and Monitoring - Luke Gervase, Project Ecologist, GEI Consultants, Inc.

**11:15AM - 11:45AM** - TBA

## **SESSION C3 - CSLAP Training for New Volunteers - Welcome!**

Long Lake Room - Fort William Henry Conference Center

**9:00AM - 9:30AM** - “Welcome and Introduction to CSLAP” - Stephanie June, Research Scientist, NYSDEC

**9:30AM - 10:00AM** - “Keeping the Program Running Smoothly” - Nancy Mueller, Executive Director, NYS FOLA

**10:00AM - 10:30AM** - “What to Do With Your Samples and Bottles” - Stephanie June, Research Scientist, NYSDEC and Nancy Mueller, Executive Director, NYSFOLA

**10:30AM - 10:45AM** - Break

**10:45AM - 11:15AM** - “NYS DEC Field Data Entry System” - Stephanie June, Research Scientist, NYS DEC

**11:15AM - 11:45AM** - “How to Collect and Report Harmful Algal Bloom Samples” - Stephanie June, Research Scientist, NYS DEC

## **SESSION C4 - Student Poster Presentations (Ongoing throughout the conference)**

**Drop in anytime!** (See Session A2)

Tupper Lake Room and Indian Lake Room, Fort William Henry Conference Center

**12:00PM - 1:30PM - Lunch (for ticket holders) followed by the NYSFOLA Annual Membership Meeting (all are welcome) - White Lion Dining Room, Fort William Henry Hotel**

### **SESSION D1 - Long Term Monitoring Trends**

Lake George Room North, Fort William Henry Conference Center

**1:30PM - 2:00PM** - “The Value of Developing a Long Term Database for Lakes and their Management” - Dr. Fred Lubnow, Director of Aquatic Programs, Princeton Hydro LLC

**2:00PM - 2:30PM** - “Nutrient Loading in the Owasco Lake Watershed” - Dr. John Halfman, Professor of Geolimnology & Hydrogeochemistry, Hobart and William Smith Colleges

**2:30PM - 2:45PM** - Break

**2:45PM - 3:15PM** - “What is a CALM, and What Does it Mean for NY Lakes?” - Speaker TBA, NYS DEC

**3:15PM - 3:45PM** - “Two Long-Term Monitoring Studies: Citizen Scientists Track Lake Ice and the Long Term Study of Four of the Western Finger Lakes” - Dr. Gerald Bove, University of Rhode Island in collaboration with Dr. Kenton Stewart, SUNY Buffalo

### **SESSION D2 - Lake Associations Making Things Happen!**

Lake George Room South, Fort William Henry Conference Center

**1:30PM - 2:00PM** - “Building a Framework for Water Quality Data: Analysis and Applications Servicing Lake and Non-Lake Communities” - Grace Woodard, Alex Scilla, Founder/Director, and Emma Bruno, Nyenvironcom

**2:00PM - 2:30PM** - “Lake Luzerne's CSLAP Restart: Challenges in the Implications of Data to Our Community” - Jane Oppenlander, Lake Luzerne Association

**2:30PM - 2:45PM** - Break

**2:45PM - 3:15PM** - “The Beaver Dam Lake Watershed - History, Uses, Abuses, Successes & Challenges” - Larry Rossini, past Chairman, Beaver Dam Lake Protection & Rehabilitation District

**3:15PM - 3:45PM** - “A Watershed Planning Framework for Raquette Lake” - Blake Neumann, Clean Water Advocate, Adirondack Council

### **SESSION D3 - Aquatic Plant ID and Management - A Workshop for Lake Associations**

Long Lake Room, Fort William Henry Conference Center

**1:30PM - 3:45PM** - Join AJ Reyes, Aquatic Ecologist with Northeast Aquatic Research to learn more about aquatic plants (the good and the bad) and how to manage them for recreation and water quality.

### **SESSION D4 - CSLAP Training For New Volunteers - Collecting the Samples -**

**1:30PM - 3:45PM** - We will gather on the conference center deck outside and head down to the public docks to learn how to use the equipment and collect the samples. Dress for the weather!

*This concludes the 2022 NYSFOLA Annual Conference.*