

Waterworks

New York State Federation of Lake Associations, Inc.

April 2023

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Masthead photo: Labrador Pond
courtesy of Tarki Heath, NYSFOLA
Board of Directors

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40 Years of NYSFOLA: 1983-2023

NYSFOLA turns 40 this year, and as we look back over the decades, we realize what a remarkable success this organization has been. From our early efforts to help create the Citizens Statewide Lake Assessment Program (CSLAP) with the New York State Department of Environmental Conservation to partnerships with academic institutions and other organizations, NYSFOLA has provided assistance to lake associations on a wide array of topics including aquatic invasive species, water quality issues, dam regulations, short term rentals, insurance, by-laws, lake management plans, and so much more.



We hope that you will be able to celebrate with us at our annual conference *Telling Your Lake's Story Through Science and Education* at the Fort William Henry Hotel and Conference Center in Lake George on May 5th and 6th. Registration is now open, and we expect to have another large crowd this year.

To register, go to www.nysfola.org. Registration for rooms and meals closes on April 21st.



NYSFOLA's mission is to protect the water resources of New York State by assisting local organizations and individuals through public dialogue, education, information exchange and collaborative efforts.

Waterworks

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New York State Federation of Lake Associations, Inc.



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A Voice for New York Lakes

NYSFOLA is an affiliate of the North American Lake Management Society

www.nalms.org



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President's Letter - Tarki L. Heath

In preparation for this 40th Anniversary, I had the opportunity to look back at many newsletters, from 1984 to the present, and was impressed at the work achieved, the information shared, and the tenacity of this organization.

From NYSFOLA's incorporation in 1983 to today, the commitment to lake stewardship is reflected with meaning, and sometimes humor. I feel fortunate that some of those wise members are still around to provide guidance. As we look at a future full of new challenges, we can also learn from the past. This newsletter acknowledges that legacy with articles about two long-standing board members, Bill Harman and Dean Long.

The success of this organization is a reflection of the work of our three Executive Directors and our Board of Directors. I am told that Tracey Clothier got our organization up and running while frequently waiting for a paycheck because our coffers were still very low. Anne Saltman grew NYSFOLA and worked with the New York State Department of Environmental Conservation (DEC) to initiate the Citizens Statewide Lake Assessment Program (CSLAP). Nancy Mueller has dedicated herself to this organization for over 30 years, first as a member of the NYSFOLA Board of Directors and later as our Executive Director. We thank them all and also gratefully acknowledge the many volunteer Board members who have served over the decades to make NYSFOLA a success story.

NYSFOLA has been coordinating CSLAP with the DEC since 1985. Coordination and cooperation continues in 2023 with a new DEC CSLAP Coordinator, Alene Onion. We look forward to her shared passion for CSLAP's mission and possibilities. Read more about CSLAP 2023 on page 8.

We are excited to hold our annual conference: *Telling Your Lake's Story Through Science and Education* again at Lake George on May 5th and 6th.

To register for this special celebration, please go to our website at www.nysfola.org. As always, we will provide professional presentations relating to water quality issues around the state, and we anticipate sharing many conversations between those who deeply care for our New York lakes.

Friday will be a day to celebrate with two guest speakers. The morning plenary presentation will provide insights on *Traditional Ecological Knowledge*. Neil Patterson, Jr., a citizen of the Tuscarora Nation and assistant director of the Center for Native Peoples and the Environment at the SUNY College of Environmental Science and Forestry in Syracuse, will present on his work "to celebrate, restore and build relationships between indigenous communities and their aboriginal territory." Our evening banquet speaker will continue the celebration of our lakes. Al Freihofer will share his paddling adventures and encounters with the many people who care deeply about lakes that he has met along the way.

Saturday will continue with more insightful presentations and discussions as well as CSLAP training for our new volunteers.

We thank each and every volunteer and member for the support you provide to NYSFOLA and the care you bring to lakes across the state. As always, please feel free to contact me at tarkiheath@gmail.com with your ideas on how NYSFOLA can be the best "Voice for NY Lakes."



Give a Gift to New York Lakes

Throughout the year, many of our members send in extra contributions to support the efforts of NYSFOLA. We would like to thank those of you who contributed in 2022. Among other things, your contributions have allowed us to hire extra staff, expand CSLAP, and increase our regional conference efforts.

Secchi Level (\$0-\$49)

Boyd Pond Association

William Ebert, Cayuga Lake Watershed Network

Glen Lake Association

Gary Grubb, Peddie Lake, NJ

Wayne Johnson, Lincoln Pond Association

Bruce Kniskern, Galway Lake Campers Association

Frank Moses, Skaneateles Lake Association

Alice Publow, Loon Lake Association

William "Buzz" Roberts, Skaneateles Lake Association

Susan Rosengrant, Canadarago Lake Association

Michael Schwarzschild, Lake Lincolndale Property Owners Association

Save Our Sodus

Leonard Schantz, Raquette Lake Preservation Foundation

Dena Steele, Tuxedo Lake

Steve Weinsier, Loch Ada Lake Association

Michael Wilson

Silver Secchi Level (\$50 - \$99)

Lynn Burton, Anawanda Lake Association

Heidi Christensen, Stratford-Pleasant Lake Association

Lake Huntington, NY Lake Association

Wayne Johnson, Lincoln Pond Association

Jim and Valerie Kozak, Petonia Lake Association

Theresa Mayhew, NYSFOLA Board of Directors

Rick Nelson, Owasco Watershed Lake Association

David and Colleen Scudder, Save Our Sodus

John Simoni, Lake Missapogue Association

Mark Teece, NYSFOLA Board of Directors, Jamesville Reservoir Preservation Association

Bruce and Deborah Walters, Panther Lake Association

Golden Secchi Level (\$100 - \$499)

Matt Albright, NYSFOLA Board of Directors, SUNY Oneonta Biological Field Station

Ballston Lake Improvement Association

William Brigham, Roaring Brook Lake Property Owners Association

Peter Chieco, Bedford Lake Club, Inc.

Doug and Jane Conroe, Chautauqua Lake Association

Lake Hadlock Association

Bill Harman, NYSFOLA Board of Directors, SUNY Oneonta Biological Field Station

John Hayden, Loon Lake Watershed Improvement Alliance

Tarki Heath, NYSFOLA Board of Directors, Song Lake Association, Cortland-Onondaga Federation of Kettle Lakes Association

Paradox Lake Association

Kathy Sherlock, Tioughnioga Lake Association

Claire Snyder, Tully Lake Property Owners Association

Fred Vanderwerven, Lake Missapogue Association

NYSFOLA's Participation in Activities to Protect NYS from Invasive Species

The challenges presented by invasive species are all around us. While we sometimes feel helpless in the face of this growing threat, efforts across the state continue, and our organization has a seat at the table with Dr. Bill Harman.

There are many state agencies involved in efforts to control and prevent the spread of invasive species. This article hopes to untangle the web of relationships between those agencies in the Invasive Species Network covering New York State.



This comprehensive effort is made possible by coordination among the Invasive Species Council, the Invasive Species Advisory Committee, and the regional bodies that manage invasive species the Partnerships for Regional Invasive Species Management. The NY Invasive Species Research Institute coordinates these efforts.

Invasive Species Council (ISC): The responsibilities of the Council in-

clude regular consultation with the Advisory Committee to:

- develop a comprehensive plan for invasive species management in New York
- provide input on funding priorities and grant applications
- report to the legislature and the governor to recommend lists of prohibited, regulated and unregulated species
- create and implement guidelines for the review of unlisted non-native species
- encourage industries and trade organizations to develop and adopt voluntary codes of conduct and a host of additional procedures to prevent the spread of invasive species.

Invasive Species Advisory Committee (ISAC): This statutory body was created in 2008 by Title 17, Section 9 of the Environmental Conservation Law (ECL). The Committee provides information, advice, and guidance to the Council. Up to twenty-five members from stakeholder organizations described or specified in the law provide recommendations on disbursement of Environmental Protection Fund money for invasive species projects. They also give guidance on draft invasive species legislation, pathways to minimize invasive species spread, and additional recommendations as requested.

Long time NY State Federation of Lake Associations Board member, Bill Harman, represents NYSFOLA on this committee.

Partnerships for Regional Invasive Species Management: PRISMS: There are eight PRISMS covering all of New York State. In 2005, the NYS Invasive Species Task Force recommended building and funding partnerships to prevent or minimize the harm caused by invasive species on New York's environment. These organizations make a coordinated effort to manage invasive species in their regions, through control, outreach and education, volunteer coordination, and early monitoring programs.

NY Invasive Species Research Institute (NYISRI): This comprehensive effort is made possible by coordination among the Invasive Species Council, Invasive Species Advisory Committee, and the regional bodies that manage invasive species (PRISMs). NYISRI helps to coordinate research, build networks, and support our partners in this common mission.

Bill Harman is also a member of The **Northeast Aquatic Nuisance Species Panel (NEANS)**. This panel's mission is to protect the marine and freshwater resources of the Northeast from invasive aquatic nuisance species through commitment and cohesive coordinated action."

The Panel addresses issues and concerns relative to the freshwater and marine resources of its member states. The Panel's members represent state, provincial, and federal governments; academia; commercial and recreational fish-

lake associations; and the bait industry.

Established in 2001, it was the fourth of six regional panels of the federal Aquatic Nuisance Species Task Force (ANSTF), and is composed of the six New England states including New York as well as New Brunswick, Nova Scotia, Québec, and Prince Edward Island.

The Panel meets twice each year on a regionally rotating basis and twice online.

To find out more about these agencies:
NYISRI - NY Invasive Species Research Institute: www.nyisri.org/about-us/new-york-invasive-species-network

NYISAC - Invasive Species Advisory Committee: www.nyis.info/new-york-state-invasive-species-advisory-committee

ISC - Invasive Species Council: www.nyis.info/new-york-state-invasive-species-council

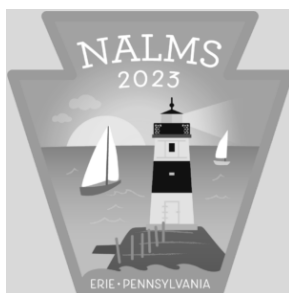
IRSI - Invasive species Research Institute: www.nyisri.org

NEANS - The Northeast Aquatic Nuisance Species Panel: www.northeastans.org

NY PRISMS - Partnerships for Regional Invasive Species Management: www.nyis.info/prisms or www.dec.ny.gov/animals/47433.html



Dr. Bill Harman, Certified Lake Manager, is the Distinguished Service Professor of Biology, Rufus J. Thayer Chair for Otsego Lake Research, Director of the SUNY Oneonta Biological Field Station at Oneonta and is the Vice President of NYSFOLA.



North American Lake Management Society International Symposium *Great Lakes, Local Solutions*

October 22–26, 2023 - Bayfront Convention Center - Erie, PA

At a time when climate change, invasive species risks, and cultural pressures threaten the natural environment and biodiversity of our fragile ecosystem, the opportunity to highlight and mesh the State of Pennsylvania and its rich diversity of aquatic habitats is long overdue.

The Pennsylvania Lake Management Society is proud to welcome the 2023 North American Lake Management Society conference to Lake Erie. As we endeavor to highlight the “Great Lakes, Local Solutions” agenda, Erie, PA provides the opportunity to explore Presque Isle State Park, a National Natural Landmark and the Tom Ridge Environ-

mental Center, while indulging in the amenities of the Bayfront Convention Center and all that Lake Erie has to offer.

Registration will be available in the months ahead at: www.nalms.org.

Early Bird Registration Deadline: September 1st

Hotel Group Rate Block Closes: September 20th

Regular Registration Deadline: October 13th



**NORTH
AMERICAN
LAKE
MANAGEMENT
SOCIETY**

*NYSFOLA is an affiliate member of
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Winter on the lakes

When the surface of the lake freezes, what happens to all the activity that was beneath the surface in the summer? As temperatures get colder, the metabolism of animals that are not warm-blooded slows. Everything must adapt to the winter environment. More keeps going on beneath the ice than we might expect.

Clear ice allows enough sunlight to penetrate to drive substantial growth in algae. Some algae even benefit from the stable environment provided by a protective ice cover. Ample algae allows zooplankton, the small critters that consume algae, to prosper. Snow on top of the ice will reduce the amount of light entering the water column, reducing algae growth. Even with snow cover, some aquatic plants persist, although their biological activity slows from cold temperatures. Other plants die back to root crowns or rely on winter buds or seeds to start new spring growth. While some zooplankton form cysts and eggs to survive the winter season, scientists have been surprised to find that many zooplankton species stay active, grow, and reproduce all winter.

Water's weird winter properties

Water has extraordinary characteristics, such as its maximum density at 39°F or 4°C. We know that in summer, lakes have a less dense warm layer on the top, and then a colder layer where the sun does not penetrate and warm the water. The different temperatures allow stable density layers to form. In spring and fall, waters have the same temperature top to bottom and all the water and nutrients mix in a stage called turnover. In winter, just below the ice, the coldest water at 32°F (0°C) will float on top of the warmer, denser water at the bottom of the lake. That keeps the lake from freezing completely and allows life to persist.

Fortunately, and in another odd twist of water properties, cold water can hold more oxygen than warmer water. Although ice and snow will reduce light and photosynthetic activity, oxygen will stay dissolved in the water column for many lakes. More northern lakes with longer periods

of ice cover may lose oxygen in their deep waters.

Metabolism slows in cold temperatures

Slower metabolism means that animals beneath the ice don't need as much oxygen. Cold-blooded amphibians and reptiles hibernate in the mud. Frogs have the capability to absorb oxygen through their skin. Turtles, usually air-breathing, also have an area where the blood vessels can absorb oxygen from the water while they remain in a cold stupor.

Cold-water fish like trout flourish in the cold, oxygenated water, although they may not find plentiful prey. Many warm-water fish are affected by cold water temperatures and are sluggish in the winter. The dominant fish in many lakes, like warm-water largemouth bass, reduce their requirements for food and oxygen until the lake water warms in the spring.

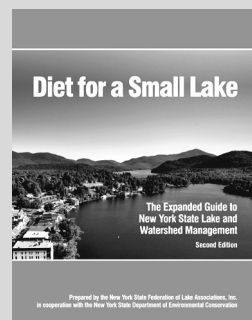
Gradually the days lengthen, the air warms, the ice melts, the lake mixes, and life gets ready for spring. The next cycle of the seasons takes over.

This article comes to us from the Three Lakes Council website: www.threelakescouncil.org.

Want to Know More?

Order a Copy of "Diet for a Small Lake" at www.nysfola.org

Note: Paperback copies are in very short supply and may soon be unavailable, but we have plenty of hardcovers available.



In Appreciation to NYSFOLA Board Member Dean Long

Through these 40 years of NYSFOLA's history, many people have stepped up to do the hard work to keep the organization strong, but perhaps the most stalwart of them all is Dean Long.



Deans early research:

Dean's understanding of the variety of impacts on the waters in New York State, began in the 1980's with a study on the impacts of acid deposition on the streams around Oswego and a later collaboration with State University Research Center at

Oswego to evaluate mercury contamination in Cranberry Lake and Stillwater Reservoir.

His connections to water research continued during this period when he joined the Rensselaer Polytechnic Institute's, Darrin Freshwater Institute (DFWI), in Gull Bay on Lake George to work in the laboratory assisting with the *Integrated Lake Watershed Acidification Study*. In 1981, a Lake George water quality monitoring project had just started at DFWI, and Dean became the manager of that program.

The start of NYSFOLA:

The Lake George water quality monitoring programs consisted of volunteer lake monitors. At the same time, in Lake George Village, the NYS DEC was conducting a National Urban Runoff program. Tracey Clothier, of the Lake George Association, was retained to identify and hold a meeting of lake associations around the state. Dean was the first speaker at this inaugural conference in 1983 and provided a lake ecology presentation at Dunham Bay Lodge.

There were many aspects for a lay monitoring program that needed evaluation. Dean states that "as NYSFOLA became a reality, there were discussions on how to start a lay monitoring program in the following years." They agreed on the parameters to be evaluated as nutrients and chlorophyll *a* along with field data for Secchi depth and surface water temperature.

NYSFOLA was formed in 1983, and a lay monitoring

manager was chosen. The real work began, and Dean was selected for the Science Advisory Board. Members of this board, and others, joined the NYSFOLA Board of Directors.

NYSFOLA Conferences were organized for many years by Dean and Bill Harman. They moved around the state to various colleges or lake communities, landing for many years at White Eagle Conference Center on Lake Moraine and now back to Lake George where so much of Dean's research began.

Dean was introduced to invasive species in 1985, which led to his involvement in permit applications to control Eurasian watermilfoil on Lake George.

From 1986-2013 Dean was employed by Landscape Architecture and Engineering, P.C. in Saratoga Springs, to manage permitting in the private sector for large scale land development projects, energy infrastructure, wetland and stream restoration, wetland mitigation, community planning and "mass gatherings." Interestingly, these projects include being the Project Manager for all permits for Woodstock '94, advisor for permitting for Woodstock '99, and participation on the permitting and operation team for Harley Davidson temporary campgrounds for the 95th and 100th anniversary celebrations in Wisconsin.

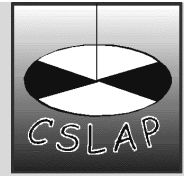
Dean shares that, "Whenever possible working on lake problems was my preference and this includes projects on Saratoga Lake since 1998. NYSFOLA has been a wonderful opportunity to meet folks that are concerned for lakes, both the front owners and professionals. It is clear that no one approach works everywhere, but the key items are to keep making contacts, listen, keep talking, learn, teach, adapt, be respectful and repeat."

Dean remains a very active NYSFOLA Board member, working on the CSLAP Committee, the NYSFOLA Finance, Investment, Exploratory and Conference Committees.

Thank you, Dean, for being a dependable source of knowledge and your continued commitment to our organization.

Dean holds a BA in Zoology from the State University of NY at Oswego (1978), and an MS in Urban Environmental Planning Rensselaer Polytechnic Institute (1986).

CSLAPpenings



Welcome to our new DEC CSLAP Staff

We are delighted to introduce the new NYS Department of Environmental Conservation (NYSDEC) Citizens Statewide Lake Assessment Program (CSLAP) Coordinator, Alene Onion. Alene has worked with the NYSDEC for ten years in the streams section where she ran the citizen stream monitoring program WAVE, and has worked in the lakes section since 2019.



Alene Onion, NYS DEC CSLAP Coordinator

Working with Alene, and new to both NYSDEC and CSLAP, Giancarlo Coppola will support the monitoring needs of the of the NYSDEC Water Protection Program. Giancarlo comes with a strong background in aquatic ecology.

Both Alene and Giancarlo are passionate about helping communities engage

in water quality management projects. To quote Alene, "The greatest value of CSLAP is how it connects all of us who are working on lake water quality management."



Giancarlo Coppola, NYS DEC

Another Record Number of Lakes

This year, the Citizens Statewide Lake Assessment Program will have yet another record number of lakes participating. As we head into the sampling season, we have 191 sites on 176 lakes registered for

the upcoming season with over six hundred volunteers signed up to conduct the sampling for their lake associations.

CSLAP Training 2023

All new CSLAP volunteers must attend a formal training session. The first training will take place on Saturday May 6th as part of the NYSFOLA Annual Conference in Lake George. New volunteers attending this training must have previously submitted a signed waiver form and be on the list to conduct 2023 sampling. There is no charge to attend CSLAP training only, but you must register so that we have an accurate head count and list of trainees. If you also want to add meals or Friday conference sessions, you'll need to register for those separately. Registration is now open at www.nysfola.org.

CSLAP Reports

After May 2023, the 2022 CSLAP Reports will be available on the CSLAP Dashboard. DEC has sent out draft reports to everyone for comment. Thank you to Alene Onion and Giancarlo Coppola at DEC for getting the reports out early this year and for their help with corrections and questions about them.

And thank you... to CSLAP volunteers Elizabeth Mastrianni and Frank Ralborsky from Spring Lake in Rensselaer County. We accidentally omitted them from our volunteer thank you in the October issue of "Waterworks".

CSLAP Contact Information:

Alene Onion, NYS DEC CSLAP Coordinator - (518)402-8166 or alene.onion@dec.ny.gov

Nancy Mueller, NYSFOLA CSLAP Coordinator - (315) 677-9987 or folan@nysfola.org

Giancarlo Coppola, NYS DEC
giancarlo.coppola@dec.ny.gov



Department of
Environmental
Conservation





NALMS Advocates for Federal Clean Lakes Program Restoration

Introduction

The Clean Lakes Program was created in 1972 and was established under Section 314 of the Federal Water Pollution Control Act, later known as the Clean Water Act. Clean Lakes Program grants provided funds under Section 314 to help assess the water quality of lakes in a state or tribe, conduct diagnostic feasibility studies to identify the causes of pollution in the lake, implement projects to solve the problems and post restoration assessments. Between 1976 and 1995 the Clean Lakes Program awarded approximately \$145 million in grants. The program has not received any funding since 1995.¹

The Issue

Lake water quality is declining across the nation despite existing efforts and funding. The number of healthy unpolluted lakes has been declining. The most recent National Lakes Assessment (NLA) found across the country that 45% of lakes are in poor condition with elevated phosphorus concentrations, and 46% were in poor condition with high nitrogen concentrations.² Nutrient pollution, high levels of algae growth, and diminished water clarity are increasing and were observed in 24% of the nation's lakes.² The algal toxins known as microcystins, which can be harmful to humans and pets, were detected in 21% of lakes.² Based on biological indicators, 24% of continental U.S. lakes were in poor condition for lake life.

When the 314 Clean Lakes program funding was discontinued in 1995, Section 319 of the Clean Water Act, which provides funds for implementing projects that address non-point source water pollution was left to provide some funding for lake restoration. Recent queries of the 319-tracking system indicate that a small percentage of 319 funds are used for lake restoration activities. Limited Section 319 funding is available for lake diagnostic studies, protection of high quality lakes, and in-lake measures that can address harmful algal blooms that can be toxic to humans and pets.

Economic Impacts

Restoring funding to Section 314 of the Clean Lakes Program in the Clean Water Act is an investment in clean and healthy lakes that will lead to a great return in recreational

and tourism dollars. According to an EPA report on the economic benefits of the Clean Lakes Program, the grant program spent approximately \$9.5 million and achieved an estimated \$90 million in return on investment.³ The benefits from the Clean Lakes Program range across various categories, including recreation, aesthetics, flood control, economic development, fish and wildlife conservation, agriculture, property value, public health, and water supply. Financial returns are expected to be even higher today, as harmful algal blooms have increasingly disrupted local businesses and recreation.⁴ Lakes provide natural ecosystem services such as water filtration, storage, nutrient cycling, recreation, and food. Many of these services are costly to engineer and replace; thus, it is economically beneficial to allocate funds toward the front-end protection of lakes by preventing their impairments.⁵ Clean lakes for homes, businesses, and camps help to increase property values and raise revenues by attracting more individuals to an area. Local communities are increasingly aware of the potential negative repercussions of declining water quality on property values. One study found that lakes with excess phosphorus experienced a 0.4%-3.3% decrease in lakefront housing prices.⁶ Researchers found that properties surrounding lakes with high levels of algal toxins experienced a 2-17% decline in property value.⁷

Policy Recommendations

- NALMS recommends that Congress reauthorize funding for the Section 314 Clean Lakes Program and increase the annual appropriations, while maintaining funding for Section 319.
- NALMS recommends an 'Enhanced' Clean Lakes Program that will prioritize high quality lakes for protective management, as well as lakes in communities with environmental justice concerns.
- Visit our website: <https://www.nalms.org/>. Read our Position statement for an enhanced Clean Lakes Program: <https://www.nalms.org/nalms-positionpapers/enhanced-314-clean-lakes-program-position-statement/>

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New York State Federation of Lake Associations, Inc.

40th Anniversary Conference May 5-6, 2023

“Telling Your Lake's Story Through Science and Education”

Fort William Henry Hotel and Conference Center - Lake George, NY



Join lakefront property owners, lake managers, researchers and government officials from around the region for NYSFOLA's annual gathering of people dedicated to protecting and improving New York's lakes.

The Fort William Henry Hotel and Conference Center in beautiful Lake George, NY provides a perfect setting for a gathering of people who care about lakes. We invite you to join us in celebrating NYSFOLA's 40th anniversary.

Thursday May 4th

3:30pm - 5:30pm NYSFOLA Board of Directors Meeting - Glens Falls Room, Fort William Henry Conference Center

Friday May 5th

8:00am Exhibitor set up in Albany and Fort Edward Rooms

8:30am Registration opens at the Fort William Henry Conference Center

“Morning Nosh” (light breakfast and beverages)* available in the Village Blacksmith Lounge

9:15am - 9:30am **Welcome and Logistics-** Lake George Rooms North and South

9:30am - 10:30am **Plenary Session - “Traditional Ecological Knowledge”** - Lake George Rooms North and South
Neil Patterson, Jr., a citizen of the Tuscarora Nation and Assistant Director of the Center for Native Peoples and the Environment at the SUNY College of Environmental Science and Forestry in Syracuse, will discuss his work “to celebrate, restore and build relationships between indigenous communities and their aboriginal territory.”

10:30am - 10:45am Break - Village Blacksmith Lounge/Exhibitor Area/Silent Auction

Session A1 - **Making Media Work For You** - Lake George Room North

10:45am - 11:45am Howard Schaffer, Media Counselor, Media Marketing - An interactive workshop to help you “tell your lake association's story” to your regional print, electronic and digital media; complete with media training guidelines and interview preparation tips.

Session A2 - Managing Aquatic Invasive Plants in the Adirondack Park - Lake George Room South

10:45am - 11:45am Catherine McGlynn, Aquatic Invasive Species Coordinator, NYS Dept. of Environmental Conservation (DEC); Megan Phillips, Deputy Director of Planning, Adirondack Park Agency; Jim Pinheiro, Supervisor Natural Resource Analysis, Adirondack Park Agency

Session A3 - "Diet for a Small Lake" - An Introduction to Watershed Science and Lake Ecology - Long Lake Room

Dr. Bill Harman, Distinguished Service Professor of Biology, Rufus J. Thayer Chair for Otsego Lake Research, Director of the SUNY Oneonta Biological Field Station - New to NYSFOLA? This is a great place to start. Join Dr. Bill Harman and his staff for a "crash course" in Limnology 101.

11:45am - 12:00pm (Sessions A1, A2, and A3) **Wrap Up and Q&A**

12:00pm - 1:15pm **Lunch*** - White Lion Dining Room, Fort William Henry Hotel - Lake Steward Award presentations, Presentation by NALMS President Kiyoko Yokota, Past-President Chris Mikolajczyk, and Fred Lubnow about NALMS' initiative to restore federal Clean Lakes Program Funding in the Clean Water Act.

Session B1 - Invasive Species On the Move - Lake George Room North

1:30pm - 2:00pm **Hemlock Woolly Adelgids in New York** - Mark Whitmore, Director, New York State Hemlock Initiative and Senior Extension Associate, Natural Resources and the Environment, Cornell University

2:00pm - 2:30pm **NYSDEC: Aquatic Invasive Species Program Updates** - Catherine McGlynn, Aquatic Invasive Species Coordinator, NYS Department of Environmental Conservation

2:30pm - 3:00pm **The Round Goby Threat and the Champlain Canal** - Erik Reardon, Aquatic Invasive Species Outreach Specialist, NYS DEC/Lake Champlain Basin Program

Session B2 - Lake Management Efforts in NY Lakes - Telling Your Lake's Story: Part 1 - Lake George Room South

1:30pm - 2:00pm **Journey to a Lake Management Plan** - David J. Wilson, Piseco Lake Association

2:00pm - 2:30pm **Three Decades of Monitoring and Protection** - David W. Carr, Program Coordinator, and Ken Kudla, President Emeritus Owasco Watershed Lake Association (OWLA)

2:30pm - 3:00pm **Using Long-Term and Seasonal Data to Inform Lake Management at Duane Lake, NY** - Jessica Casey, graduate student and Dan Stich, Associate Professor, SUNY Oneonta

Session B3 - Programs and Partnerships for Clean Water - Long Lake Room

1:30pm - 2:00pm **Indigenous Water Science in the Oswego River Watershed** - Catherine Landis, Post-Doctoral Associate, SUNY College of Environmental Science and Forestry

2:00pm - 2:30pm **NYSDEC: Planning for the Protection of Small Lakes**
Karyn Hanson, Environmental Program Specialist II, NYS DEC

2:30pm - 3:00pm **NYS DEC: Funding Your Lake Management Efforts** - Leila Mitchell, Environmental Program Specialist II and Julie Berlinski, Research Scientist, NYS DEC

Session B4 - Dam Safety in New York - Indian Lake Room/Tupper Lake Room

1:30pm - 2:00pm **NYSDEC: Dam Safety Update** - Don Canastrari, Chief, NYS DEC Dam Safety Section

2:00pm - 2:30pm **A Superordinate Focus: It's All About the Dam!** - Daryl Stevenson, Chair, Board of Commissioners, Rushford Lake Recreation District and Robert Panter, Dam Manager, Caneadea Dam

2:30pm - 3:00pm **Rehabilitating the Sleepy Hollow Lake Dam Athens, NY** - Dan Proper, Principal Engineer, Proper and O'Leary Engineering

3:00pm - 3:15pm (Sessions B1, B2, B3 and B4) **Wrap Up and Q&A (Break as needed)**

Session C1 - Water Quality Monitoring and Assessments - Lake George Room North

3:15pm - 3:45pm **NYS DEC: Regional Global Drivers of Change are Impacting New York State Lakes** -

Alene Onion, CSLAP Coordinator, NYS DEC

3:45pm - 4:15pm **NYSDEC: Volunteer Stream Monitoring** - Keleigh Reynolds, Environmental Program Specialist, NYS DEC

4:15pm - 4:45pm **What's PFOA, PFOS and PFAS and How Do They Impact My Lake?** - Stephen J. Souza, Owner, Clean Waters Consulting, LLC

Session C2 - Harmful Algal Blooms: Part 1

3:15pm - 3:45pm **Honeoye Lake Nutrient Inactivant (Alum) Pilot Project: Overview and Results** - John Holz, Senior Limnologist, SOLitude Lake Management

3:45pm - 4:15pm **UAV Image Analysis to Detect HABs in the Finger Lakes, NY** - Julia Bellamy, Student; Ileana Dumitriu, Professor of Physics; and John Halfman, Professor of Environmental Studies, Hobart & William Smith Colleges

4:15pm - 4:45pm **Real-Time HAB Monitoring Using AI Microscopy by Citizen Scientists Across Five States** - Igor Mrdjen, Project and Science Lead, Bloom Optix, LLC; Abby Webster, graduate student, SUNY College of Environmental Science and Forestry; and Chris Nack, Scientist, Ramboll

Session C3 - DEC Programs and Partnerships for Clean Water - Long Lake Room

3:15pm - 3:45pm **NYSDEC Lake and Stream Sampling** - Kelleigh Reynolds, Environmental Program Specialist and Matt Kraft, Research Scientist, NYS DEC

3:45pm - 4:15pm **NYSDEC Waterbody Assessments** - Sarah Rickard, Research Scientist, NYS DEC

4:15pm - 4:45pm **NYSDEC Point Source Pollution Permits (SPDES)** - Peter Maier, Environmental Engineer, NYS DEC

4:45pm - 5:00pm **(Sessions C1, C2, C3) Q&A and Wrap Up**

5:00pm - 6:00pm **NYSFOLA Wine and Cheese Party*** - Village Blacksmith Lounge and Exhibitor Area

6:00pm **NYSFOLA Banquet*** - White Lion Dining Room, Fort William Henry Hotel - Lake Tear of the Clouds Award, Scott Kishbaugh Secchi Disk Award - Our guest speaker Al Freihofer will describe his paddling journeys across the continent and his encounters with special lake communities and lake stewards along the way.

Saturday May 6th

7:00am - 8:00am Breakfast buffet* in the White Lion Dining Room, Fort William Henry Hotel

8:30am Registration Opens - Fort William Henry Conference Center

Session D1 - Aquatic Plants in Lake Ecosystems

9:00am - 9:30am **A Century of Aquatic Plant Surveys, 30 Minutes of Insights** - Scott A. Kishbaugh, Hopelessly Unaffiliated, NYS DEC retiree

9:30am - 10:00am **Invasive Aquatic Plants: Using the Past, Present, and Potential Future to Influence Management Decisions** - Jesse Smith, Aquatic Ecologist, Princeton Hydro

10:00am - 10:30am **Exciting New and Improved Tools for Evaluating Aquatic Plant Communities** - Scott A. Kishbaugh (aka Pepa), Unsigned Free Agent

10:30am - 10:45am Break

10:45am - 11:15am **Integrated Lake Management from a Diver's Perspective** - Dominic Jude, Owner/Dive Instructor, Aqualogic Inc.

11:15am - 11:45am **Containment Approach to AIS Prevention: Stopping Starry Stonewort** - Mark Apfelbacher, Owner/COO, CD3 Systems

Session D2 - Lake Management Efforts in NYS Lakes-Telling Your Lake's Story: Part 2

9:00am - 9:30am	In It for the Long Haul: Adapting to Change in Managing Eurasian Watermilfoil - Jane Oppenlander, Clarkson University/Lake Luzerne Association; Jim Niles, Council Member, Town of Lake Luzerne; Michael Schaffer and E. Kurt TeKolster, Board Members, Lake Luzerne Association
9:30am - 10:00am	Otsego Lake: a Little Gem in Central New York, Big Strides for the Future - Kiyoko Yokota, Technical Advisor; K. Wayne Bunn, Board Member; Debra Creedon, Board Member, and Paul Lord, Board Member, Otsego Lake Association
10:00am - 10:30am	Limiting phosphorus and nutrients on Seneca Lake in partnership with Soil and Water Conservation Districts - Jake Welch, Past President and Board member and Ron Klinzar, Board Member, Seneca Lake Pure Waters Association
10:30am - 10:45am	Break
10:45am - 11:15am	Saratoga Lake: Successes and Challenges of In-lake and Watershed Management Efforts - Dean Long, Lake Manager, Saratoga Lake Improvement and Protection District
11:15am - 11:30am	NYS Water Resources Institute: A Cornerstone for Improving Water Resource Management Across New York State - Rebecca Schneider, Associate Professor, Natural Resources and the Environment, Cornell University

Session D3 - CSLAP Training for New 2023 Volunteers– Long Lake Room

9:00am - 9:30am	An Introduction to CSLAP: What Do We Sample For and Why We Do It - Alene Onion, CSLAP Coordinator, NYS DEC
9:30am - 10:00am	Boxes, Bags, Bottles, and Boats - Equipment, Protocols and Paperwork: What to Expect and How to Prepare for the Start of the Sampling Season - Nancy Mueller, CSLAP Coordinator, NYSFOLA
10:00am - 10:30am	An Introduction to the CSLAP Dashboard (and Data Monitoring Portal): How to Find Your Lake's CSLAP Data and Reports - Alene Onion, CSLAP Coordinator, NYS DEC
10:30am - 10:45am	Break
10:45am - 11:15am	CSLAP Online Field Data Entry - Nancy Mueller and Alene Onion, NYSFOLA and NYSDEC
11:15am - 11:45am	Harmful Algal Blooms: What Are They? How to Report Them to NYSDEC - Alene Onion, CSLAP Coordinator, NYS DEC

Session D4 - Aquatic Plant ID Workshop - Tupper Lake Room/Indian Lake Room

9:00am - 12:00pm	Join AJ Reyes, Aquatic Ecologist, Luke Gervase, Project Ecologist, and Chelsea Cannon, Project Ecologist from GEI Consultants. They will help you identify everything from Eurasian water milfoil to Floating-leaf pondweed. Which ones are native? Which ones are not? Feel free to drop in anytime.
11:45am - 12:00pm	Sessions D1, D2, D3, and D4 Q&A and Wrap Up
12:00pm - 1:30pm	Lunch* and NYSFOLA/NYSFOL Annual Membership Meetings - White Lion Dining Room, Fort William Henry Hotel - Annual Newsletter Contest Awards

Session E1 - Water in the Watershed

1:45pm - 2:15pm	Lake Wise: Lake-Friendly Practices for Shoreline Landowners in the New York Portion of the Lake Champlain Basin - Erin Vennie-Vollrath, NYSDEC and NEIWPCC, Holly Greenleaf, Owner, Greenleaf Design, LLC, and Julie Berlinski, Research Scientist, NYSDEC
2:15pm - 2:45pm	The Evolution of Stormwater Management in the Protection and Improvement of Lakes - Fred Lubnow, Senior Technical Director, Ecological Services, Princeton Hydro

2:45pm - 3:00pm	Break
3:00pm - 3:30 pm	Kettle Lakes Storm Response -Tarki Heath, and Tom Spangenberg, Cortland-Onondaga County Federation of Kettle Lakes Associations
3:30pm - 4:00pm	Long-term Climate Impacts on Adirondack/NY Lakes - Michael Martin, Environmental Scientist, AES Northeast, PLLC

Session E2 - Harmful Algal Blooms Part 2

1:45pm - 2:15pm	The Development of Beach and Cove Harmful Algal Bloom (HAB) Management Plans - Patrick Rose, Project Manager/Environmental Scientist, Princeton Hydro
2:15pm - 2:45pm	Pets and Harmful Algae Blooms: What to Know When Recreating Outdoors Near a Waterbody With Pets (Including that Lake You Live On!) - Chris Mikolajczyk, Senior Project Manager, Princeton Hydro
2:45pm - 3:00pm	Break
3:00pm - 3:30pm	Meteorological & Water Quality Precursors to HABs Events in Seneca and Owasco Lakes, NY - Dr. John Halfman, Professor of Environmental Studies and Ileana Dumitriu, Professor of Physics, Hobart & William Smith Colleges
3:30pm - 4:00pm	Lake Restoration Efforts: Lake Mohegan, NY - Ken Belfer, President, Mohegan Lake Improvement District

Session E3 - CSLAP Training for New Volunteers

1:45pm - 4:30pm(?)	During the afternoon, volunteers will be split into groups. Some of you will start by learning the “on-lake” sampling procedures while others go through the sample processing and shipping protocols. Once everyone has a chance to complete their first “assignment”, we will switch. We hope to finish by 4:30pm, but it might go longer depending on the needs of the various groups. Dress for the weather as we will be outside for part of the time!
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Session E4 - Aquatic Plant ID Workshop Continued

1:45pm - 4:00pm	(See Session D4)
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Questions? Contact Nancy Mueller folan@nysfola.org or (315)677-9987

Silent Auction

Don't forget to bring an item for the Silent Auction. It's a fun way to raise funds for NYSFOLA.



***Registration for rooms and meals closes on April 21st.** We need to give the venue an accurate headcount for all meals, and meal tickets will be issued to attendees and required for admittance.

Room reservations can be made directly with the Fort William Henry Hotel: <https://www.fortwilliamhenry.com/>. Tell them you are with NYSFOLA to get the discounted rate. Phone: (518)668-3081

2023 Membership Form

New York State Federation of Lake Associations, Inc.

Lake, Watershed and other Associations:

Small Association (10-74 members)	\$ 50.00
Medium Association (75-149 members)	\$ 100.00
Large Association (150 or more members)	\$ 175.00
Foundation (affiliated with NYSFOLA member)	\$ 100.00

Individual Memberships:

Individual Membership (not a member of a NYSFOLA lake association)	\$ 25.00
Individual Member of a NYSFOLA member lake association in good standing	\$ 15.00
Student Membership	\$ 15.00

Corporate Membership: \$ 250.00

Name of Lake Association or Individual _____

Location (County) _____

(important if your lake is one of many in the state with the same name)

Contact Name _____

Address _____

City, State, Zip _____

Telephone _____

E-Mail _____

Web site _____



Amount Remitted _____ Check # _____ Date _____

Any Additional Donation? _____

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Sleepy Hollow Lake, Athens, NY - Photo by Nancy Mueller