

Scientific Posters

Implementing Monitoring Techniques of *Hydrilla verticillata* in the New Jersey Delaware and Raritan Canal

Amanda Mahaney and Emily Mayer, SOLitude Lake Management

A Study on Macrophyte Diversity and Water Quality in Six Finger Lakes of New York

Bin Zhu, Ph.D. and Lyla O'Brien*, University of Hartford

Mapping Water Chestnut Using Drone Technology

Michael Lew-Smith, Arrowood Environmental

Cyanobacterial Management in California with Liquid Activated Peroxygen Algaecide/Cyanobacteriacide

Thomas Warmuth, BioSafe Systems

Emergent Redefinition of a Wetland

Sonja Wixom*, State University of New York, Oneonta

Parametrizing a Model for Intralake Transport of Eurasian Water Milfoil Fragments

Christine Goodrich*, Rensselaer Polytechnic Institute

Efficacy of Endothall and Endothall +2,4-D for Curly-leaf Pondweed (*Potamogeton crispus*) Control Under Simulated Fall Conditions

Mirella Ortiz*, Colorado State University

Two Continuous High Frequency Water Quality Data Acquisition Systems on Otsego Lake

Kiyoko Yokota, SUNY Oneonta

New Hampshire Variable Leaf Milfoil (*Myriophyllum heterophyllum*) Response to Florpyrauxifen-benzyl Concentration Exposure Times

Kara Foley*, Erika Haug* and Rob Richardson, North Carolina State University

*Indicates a Student Presenter



NEAPMS Annual Meeting

Final Program

January 9-11, 2018

Wentworth by the Sea
New Castle, New Hampshire

Tuesday January 9, 2018

12:00 – 5:30 PM

1:00 – 3:00 PM

3:00 – 3:25 PM

3:25 – 3:30 PM

3:30 – 4:00 PM

4:00 – 4:30 PM

4:30 – 5:00 PM

5:00 – 5:30 PM

5:30 – 7:30 PM

7:30 – 9:15 PM

9:15 – 9:45 PM

NEAPMS Conference Registration

Hands-On Aquatic Plant Workshop Open Session* and Quiz

SOLitude Lake Management Biology Team

Refreshment Break

Harmful Algal Blooms (HABs) Session (Moderator: Dr. John Rodgers)

Introduction to Harmful Algal Blooms Session

Dr. John Rodgers, Ph.D. Clemson University

Examining the Role for Aerosolized Cyanobacteria in Amyotrophic Lateral Sclerosis

Dr. Elijah W. Stommel, Ph.D. Dartmouth-Hitchcock Medical Center

Beyond the Bloom: Bioaccumulation and Transport of Cyanobacteria Toxins Within and Outside the Lake Ecosystem

Dr. James F. Haney, Ph.D. University of New Hampshire

Cyanobacteria Monitoring Program in the State of New Hampshire and Beyond

Amanda McQuaid, New Hampshire Department of Environmental Services

A Risk-Based Decision Matrix for Managing Noxious Cyanobacteria

West Bishop, Ph.D. SePRO Corporation

Welcome Reception

A rich array of delicious appetizers will be served. Cash bar.

Movie Night at NEAPMS (Moderator: Dr. Mark Heilman)

Movie Screening (Open to the Public): *Toxic Puzzle: Hunt for the Hidden Killer*

HAB's Question & Answer Session/Panel Discussion

Wednesday January 10, 2018

8:15 – 9:45 AM	Registration/Exhibits
8:30 – 9:30 AM	Continental Breakfast
9:45–10:00 AM	Welcome- Dr. Mark Heilman, NEAPMS President
<u>Hydrilla Control (Moderator: Chris Doyle)</u>	
10:00 – 10:30 AM	Nine Years of Herbicide (Fluridone) Treatment in Pickerel Pond (Maine): <i>Hydrilla verticillata</i> Control and Native Plant Response John McPhedran, Maine Department of Environmental Protection
10:30 – 11:00 AM	Population Dynamics of Largemouth Bass and Black Crappie under Various Levels of Monoecious Hydrilla Coverage Alejandro Reyes*, North Carolina State University/Co-op Extension
11:00 – 11:30 AM	Managing Aquatic Plant Densities in the Proverbial Goldfish Bowl: A Growing Problem for a New Jersey Water Supply Agency Ken Klipstein, Director of Watershed Protection of the New Jersey Water Supply Authority
11:30 – 12:00 PM	Deep in the Weeds of Aquatic Plant Management in New Jersey's Delaware and Raritan Canal Heather Desko, Senior Watershed Protection Specialist for the New Jersey Water Supply Authority
12:00 – 1:15 PM	Luncheon
1:15– 1:45 PM	<u>Industry Updates (Moderator: Glenn Sullivan)</u> <u>Herbicides (Moderator: Mark Lewandowski)</u>
1:45 – 2:15 PM	Technical Update on PROCELLACOR™ Aquatic Herbicide and Future Uses for Aquatic Plant Management in the Northeast Dr. Mark Heilman, Ph.D. SePRO Corporation
2:15 – 2:45 PM	Evaluating the Sensitivity of Seven Aquatic Plants to PROCELLACOR™ Herbicide Erika Haug*, North Carolina State University
2:45 – 3:15 PM	Endothall Behavior in Several Aquatic Weeds Mirella Ortiz*, Colorado State University
3:15 – 3:45 PM	Refreshment Break/Exhibits/Posters
<u>Aquatic Vegetation Management, (Moderator: Emily Molden)</u>	
3:45 – 4:15 PM	Circling the Wagons: Implementing the NYS AIS Management Plan Cathy McGlynn, Ph.D. NYS DEC

4:15 – 4:45 PM	Aquatic Plant Management in the United States Army Corps of Engineers Wilmington District Lakes Kara Foley*, North Carolina State University
4:45 – 5:15 PM	NEAPMS Business Meeting, AERF Update, APMS Update Dr. Mark Heilman, Carlton Layne, Dr. John Rodgers
5:15 – 5:45 PM	<u>Poster Slam Session (Moderator: Meg Modley)</u>
5:45 – 7:00 PM	Attitude Adjustment Hour (Cash Bar)/Exhibits/Poster Session
7:00 – 9:00 PM	NEAPMS Awards Banquet
9:00 PM - ?	NEAPMS Networking

Thursday January 11, 2018

7:30 – 8:30 AM	Continental Breakfast/Registration/Exhibits
<u>Targeted Management (Moderator: Meg Modley)</u>	
8:30 – 9:00 AM	Cyanobacterial Management in California with Liquid Activated Peroxygen Algaecide/Cyanobacteriacide Thomas Warmuth, BioSafe Systems
9:00 – 9:30 AM	Management of <i>Nitellopsis obtusa</i> (Starry Stonewort) in a Recently Infested Minnesota Lake Using a Copper-Based Algaecide Tyler Geer*, Clemson University
9:30 – 10:00 AM	Lessons from a Decade of Lake Management: Effects of Herbicides on Eurasian Water Milfoil and Native Plant Communities Ellen Kujawa, Lake Champlain Basin Program
10:00 – 10:30 AM	Break/Exhibits/Posters/Hotel Check-out
<u>Non-chemical Control (Moderator: Joe Pinkerton)</u>	
10:30 – 11:00 AM	Detailed Review of an Example of Aquatic Plant Harvesting in Lake Management Dr. Ken Wagner, Ph.D. Water Resource Services
11:00 – 11:30 PM	Manual Removal of <i>Typha</i> (cattails) in Spring and Fall to Maintain Habitat Structure for Sensitive Biota C. Eric Hellquist, Ph.D. State University of New York Oswego
11:30 – 12:00 PM	Aeration of a Shallow Eutrophic Lake: What to Expect Patrick Goodwin, SUNY Oneonta/Vertex Water Features, Inc.
12:00 – 1:00 PM	Luncheon, Silent Auction Announcements and Conference Adjournment
1:15 – 5:00 PM	NEAPMS Board of Directors Meeting

*Indicates a Student Presenter