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Annual Meeting
Final Program
January 10-12, 2017

Tuesday January 10, 2017

12:00 – 5:30 PM	NEAPMS Conference Registration
12:30 – 3:00 PM	Advanced Assessment Workshop
12:30 – 1:00 PM	Remote Sensing of Lakes Shane Bradt, University of New Hampshire
1:00 – 1:30 PM	Using BioBase to Monitor Changes in SAV Abundance: Walking Through a Case-Study from Survey Design to Result Interpretation Ray Valley, Navico
1:30 – 2:00 PM	Aerial Drone Use for Environmental Assessments Gene Huntington, Remote Intelligence, LLC
2:00 – 2:30 PM	Integration of New Tools and Methods for Field Assessment Rob Richardson and Tyler Harris, NC State University
2:30 – 3:30 PM	Break/Optional Outdoor Drone Demonstration
3:30 – 6:00 PM	Aquatic Plant Workshop
3:30 – 4:00 PM	Forty Years of Change in the Vascular Aquatic Flora of Ossipee Lake, New Hampshire C. Eric Hellquist, Ph.D. State University of New York Oswego
4:00 – 4:30 PM	North American Potamogetonaceae Hybrids C. Barre Hellquist, Ph.D. Massachusetts College of Liberal Arts
4:30 – 6:00 PM	Hands-On Aquatic Plant Workshop Open Session and Quiz Chris Doyle, SOLitude Lake Management
6:00 – 7:00 PM	Welcome Reception Join fellow conference attendees for a rich array of delicious appetizers. Cash bar.
7:00 PM	Dinner and Entertainment on Your Own (a list of local eateries will be provided to registrants)

Wednesday January 11, 2017

8:15 – 9:45 AM	Registration/Exhibits
8:30 – 9:30 AM	Continental Breakfast
9:45–10:00 AM	Welcome Chris Doyle, NEAPMS President

Wednesday January 11, 2017, cont.

- 10:00 – 10:30 AM **Scientifically-based Technology or Stupid Lake Trick? A Suggestion for Improving Aquatic Plant Management.**
John Madsen, Ph.D, Exotic and Invasive Weed Research Unit, University of California-Davis
- 10:30 – 11:00 AM **The Battle for Connecticut's Largest Lake - Controlling Eurasian Water Milfoil with Winter Drawdown, Weevils and Grass Carp**
Gregory Bugbee, Connecticut Agricultural Experiment Station
- 11:00 – 11:30 AM **An Update on Physical and Biological Control of Invasive European Frogbit**
Bin Zhu, Ph.D, University of Hartford
- 11:30 – 12:00 PM **Aquatic Plant Management on Lake Gaston: A Case Study***
Alejandro Reyes, North Carolina State University
- 12:00 – 1:15 PM **Luncheon**
- 1:15– 1:45 PM **Industry Updates**
- 1:45 – 2:15 PM **Technical Introduction to PROCELLACOR™ Aquatic Herbicide and Field Demonstration of Selective, Spot Treatment of Variable Water Milfoil**
Mark Heilman, Ph.D, SePRO Corporation
- 2:15 – 2:45 PM **Response of Eurasian and Hybrid Water Milfoil and Select Native Plants to PROCELLACOR™ Aquatic Herbicide**
Michael Netherland, Ph.D, US Army Engineer Research and Development Center (presented by Mark Heilman, Ph.D., SePRO Corporation)
- 2:45 – 3:15 PM **Evaluation of PROCELLACOR™ Efficacy on Monoecious Hydrilla: Initial Screening, Concentration Exposure Time Trials and Field Studies**
Rob Richardson, Ph.D., North Carolina State University
- 3:15 – 3:45 PM Break/Exhibits/Posters**
- 3:45 – 4:15 PM **Investigations into Water Chestnut (*Trapa* spp.) --- Genetics and Ecology**
Lynde Dodd, US Army Engineer Research and Development Center
- 4:15 – 4:45 PM **NEAPMS Business Meeting, AERF Update, APMS Update**
- 4:45 – 5:30 PM **Poster Slam Session**-fast-paced 2-minute poster overviews
- 5:30 – 7:00 PM **Poster Session/Exhibits/Attitude Adjustment Hour (Cash Bar)**
- 7:00 – 9:00 PM **NEAPMS Awards Banquet**
- 9:00 PM **NEAPMS Social Networking/Hospitality**

*Denotes student presentation

Thursday January 12, 2017

- 7:00 – 8:00 AM **Continental Breakfast/Registration/Exhibits**
- 8:00 – 8:30 AM **Effects of Temperature During Dormancy on Viability of Monoecious Hydrilla Turions***
Amy Henry, North Carolina State University
- 8:30 – 9:00 AM **Monoecious Hydrilla: Growth in the Absence of Photosynthesis***
Erika Haug, North Carolina State University
- 9:00 – 9:30 AM **Hydrilla vs. New York**
Cathy McGlynn, Ph.D. NYSDEC
- 9:30 – 10:00 AM **Insights from Three Years of a Monoecious Hydrilla Control Demonstration Project on the Erie Canal, New York**
Michael Netherland, Ph.D, US Army Engineer Research and Development Center (presented by Marc Bellaud, SOLitude Lake Management)
- 10:00 – 10:30 AM Break/Exhibits/Posters**
- 10:30 – 11:00 AM **Importance of Nutrient Ratios and Legacy Accumulation in Cyanobacteria Management**
West Bishop, Ph.D. SePro Corporation
- 11:00 – 11:30 AM **An Evaluation of Past and Present Aeration Designs: An Ohio Case Study***
Patrick Goodwin, SUNY Oneonta
- 11:30 – 12:00 PM **A Scientific Test of a Muck Digestion Product**
Maxine Verteramo* and Ken Wagner, Ph.D. Water Resource Services
- 12:00 – 1:00 PM **Luncheon, Silent Auction Announcements and Conference Adjournment**
- 1:15 – 5:30 PM **NEAPMS Board of Directors Meeting**

Poster Presentations (alphabetical by author)

Translocation of 14C-Endothall in Eurasian Watermilfoil and Two Hydrilla Biotypes*

Mirella Farinelli Ortiz, Colorado State University

A Spatial-Temporal Model for the Control of Eurasian Watermilfoil*

Christine Goodrich, Rensselaer Polytechnic Institute (student)

DeRuyter Reservoir: A Case Study on Aquatic Macrophyte Management as a Component of Long-Term Lake and Watershed Management*

Leah Gorman, SUNY Oneonta (student)

Area Selective Herbicide Treatment with Concern of Rare and Threatened Plant Species

Amanda Mahaney, SOLitude Lake Management

Usefulness of the eDNA (Environmental DNA) Method for Detection of Rare Native and Invasive *Myriophyllum* Species at Low Densities*

Anastasia Mozharova, University of Massachusetts, Boston

The Effects of Mechanical and Hand-Harvesting on Water Chestnut (*Trapa natans*)

Emily Walsh and Brea Arvidson, SOLitude Lake Management