

FINAL PROGRAM AGENDA FOR THE
25th ANNUAL CONFERENCE
OF THE



9-11 JANUARY 2024

Wentworth by the Sea
New Castle, NH

Tuesday, January 9, 2024

1:00-6:00 PM	REGISTRATION OPEN	NEAPMS Registration Desk	
2:00-2:30 PM	Mandatory Continuing Education Units Registration	CT Agricultural Field Station	

Aquatic Equipment Workshop (Moderator: Jon Gosselin, SEPRO Corporation)

2:00-2:30 PM	Incorporating eDNA into routine AIS monitoring: Hudson Valley Collaborative eDNA Early Detection Program.	Ashley Morris ¹ , New York State Department of Environmental Conservation	Page 6
2:30-3:00 PM	Techniques in Resin Casting	Maggie Carroll ¹ , SUNY School of Environmental Science and Forestry	Page 7

3:00-3:30 PM	BREAK	Grand Ballroom	
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Aquatic Equipment Workshop (Moderator: Jon Gosselin, SEPRO Corporation)

3:30-4:45 PM	Sampling and Data Collection in Aquatics – Tools of the Trade- Presentations	Various Presenters	Page 8
4:45-6:00 PM	Sampling and Data Collection in Aquatics – Tools of the Trade- Demonstration Stations Open	Various Presenters	
6:00-6:30 PM	Mandatory Continuing Education Units Registration	CT Agricultural Experiment Station	

6:00-7:30 PM	25th ANNIVERSARY RECEPTION	Grand Ballroom	
7:00PM	Dinner on your own		

Wednesday, January 10, 2024

7:30 AM-6:00 PM	REGISTRATION OPEN	NEAPMS Registration Desk	
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7:00-8:15 AM	BREAKFAST	Solarium, Grand Ballroom, Wentworth Prefunction	
7:30-8:15 AM	Mandatory Continuing Education Units Registration	CT Agricultural Experiment Station	

Opening Session/Harmful Algal Blooms (Moderator: Emily Mayer, NJDEP)

8:15-8:30 AM	WELCOME AND OPENING REMARKS	Bo Burns, NEAPMS President	
8:30-9:00 AM	Preventative and Early Intervention Management Programs for Harmful Algal Blooms	West Bishop, Ph.D., SEPRO Corporation	Page 10
9:00-9:30 AM	New Jersey Harmful Algal Bloom Science and Response	Robert Newby, Ph.D., NJDEP	Page 11
9:30-10:00 AM	Impacts of large-scale Aeration on Lake Hydrodynamics and Biogeochemistry as Gleaned from Lake Carmi, Vermont	Andrew Schroth, Ph.D., University of Vermont	Page 12

10:00-10:30 AM	BREAK/NETWORKING	Grand Ballroom	
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Aquatic Plant Mapping Methods (Moderator: Rob Richardson, North Carolina State University)

10:30-11:00 AM	Comparison of Probabilistic and Systematic Aquatic Plant Surveillance Methods in the Niagara River	Lindsay Yoder, NYSDEC Region 9 AIS Coordinator	Page 13
11:00-11:30 AM	Utilization of Remote Sensing Technologies in the Management of <i>Trapa natans</i>	William Henley, South Central CT Regional Water Authority	Page 14

11:30-12:30 PM	LUNCH AND NETWORKING	Garden Ballroom 2&3 or outside of Wentworth Ballrooms	
11:30-12:30 PM	STUDENT LUNCH AND PRESENTATION AND NOMINATION	Boardroom; Ashley Morris, NYSDEC	
11:30-12:30 PM	Women of Aquatics Luncheon	Garden Ballroom 1; Shannon Junior, SePRO/Women of Aquatics	

Industry Updates (Moderator: Glenn Sullivan, Ready Scout, LLC)

12:30-1:30 PM	Twelve 5-MINUTE INDUSTRY UPDATES	Various	
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Connecticut River Hydrilla (Moderator: Summer Stebbins, CT Agricultural Experiment Station)

1:30-2:00 PM	The Spread and Establishment of Connecticut River Hydrilla Outside of the Connecticut River	Jeremiah Foley, CT Ag Exp Station	Page 15
2:00-2:30 PM	Herbicide Screening Trial to Compare Efficacy of Chemical Control on Three <i>Hydrilla verticillata</i> Biotypes	Kara Foley, North Carolina State University	Page 16
2:30-3:00 PM	BREAK/NETWORKING	Grand Ballroom	

Management/Restoration Plans (Moderator: Erin Vennie-Vollrath, NYSDEC)

3:00-3:30 PM	Implementing a Regional Restoration Initiative to Protect Our Waters	Brittany Rogers, The Nature Conservancy	Page 17
3:30-4:00 PM	What Works Revisited: Experience Creating a Practical Guide to Lake Management in Massachusetts	Ken Wagner, Ph.D., Water Resources Services	Page 18
4:00-5:00 PM	APMS AND AERF UPDATES NEAPMS BUSINESS MEETING	Michael Greer, ACOE (APMS) and Bo Burns, AERF Bo Burns, NEAPMS President	

Poster Session (Moderator: Erika Haug, NCDEQ)

5:00-7:00 PM	RECEPTION & SCIENTIFIC POSTER VIEWING	Move to Grand Ballroom	
5:00-6:00 PM	Mandatory Continuing Education Units Registration	CT Agricultural Experiment Station	
7:00-9:00 PM	25th ANNIVERSARY BANQUET NEAPMS AQUATIC PLANT CAMP PRESENTATION AWARDS CEREMONY RAFFLE	Wentworth Ballrooms	

Thursday, January 11, 2024

7:45 AM-11:00 AM	REGISTRATION OPEN	NEAPMS Registration Desk	
7:00-8:15 AM	BREAKFAST	Solarium, Grand Ballroom, Wentworth Prefunction	
7:45-8:15 AM	Mandatory Continuing Education Units Registration	CT Agricultural Experiment Station	

Aquatic Plant Genetics (Jon Gosselin, SePRO Corporation)

8:15-8:30 AM	OPENING REMARKS	Jon Gosselin, SEPRO, Incoming NEAPMS President	
8:30-9:00 AM	Investigating the potential for hybridization of water chestnut introduced in the US	Lynde Dodd, US Army Engineer Research and Development Center	Page 19
9:00-9:30 AM	Environmental DNA Detection Range for Hydrilla verticillata, a Prolific Invasive Plant	Steve Pearson, Ph.D., NYSDEC	Page 20
9:30-10:00 AM	Vallisneria (Hydrocharitaceae): Species Diversity and Restoration Practices	Alex Martin, The Nature Conservancy	Page 21
10:00-10:30 AM	BREAK-SILENT AUCTION ENDS	Grand Ballroom	

Aquatic Plant Control (Mike Greer: ACOE)

10:30-11:00 AM	Selective Management of Invasive SAV with a Focus on Rare Species Protection	Jon Gosselin, SEPRO Corporation	Page 22
11:00-11:30 AM	Management of <i>Myriophyllum spicatum</i> at Saratoga Lake New York 1983-2023.	Dean Long, Consultant	Page 23
11:30-12:00 PM	Peconic River Aquatic Plant Control Project: When Mechanical Options Just Aren't Enough	Cathy McGlynn, NYSDEC	Page 24

12:00-12:30 PM	Changes in Plant Communities from Analyzing Long-term Data Sets of Croton and the Hudson River	Cassandra Mendez ¹ , State University of New York at Albany	Page 25
12:30 PM	Conference Adjournment; Closing Remarks, Silent Auction Award Announcement	Wentworth Ballroom	
12:30-1:00 PM	Mandatory Continuing Education Units Registration	CT Agricultural Experiment Station	
12:30-1:30 PM	LUNCH	Solarium and designated seating	

Scientific Poster Session

Professional	Use of ProcellaCOR for Hydrilla Management in a Canal System	Lindsay Yoder, NYSDEC Region 9 AIS Coordinator	Page 26
Professional	RIP: Ripped in Pieces: A Biochar Installation Post-Mortem	Heather Desko, New Jersey Water Supply Authority	Page 27
Professional	The Second Decade of Hydrilla Management in New York: Adaptive Management in Action	New York State Department of Environmental Conservation	Page 28
Professional	Does the Herbicide ProcellaCOR Have Non-Target Effects on Northern Wild Rice?	Bin Zhu, University of Hartford	Page 29
Student	Evaluating Seed Germination and Early Growth Response of Water Chestnut Under a Range of Salinity and Temperature	Kristina Hellinghausen ¹ , University of North Texas	Page 30
Professional	Joining GIS Datasets to Highlight Potential New AIS Infestations	John Marino, New York Heritage Program	Page 31
Professional	Florpyrauxifen-benzyl Impacts on Monoecious Hydrilla at Different Maturity Levels: A Small-scale Study	Erika Haug, Ph.D., North Carolina State University/North Carolina Department of Environmental Quality	Page 32

Student	Field Demonstrations for Water Chestnut (<i>Trapa</i> spp.) Management – Year 1	Lynde Dodd ¹ , U.S. Army Engineer Research and Development Center	Page 33
Student	Survey of EPA Registered Herbicide Efficacy on <i>Hottonia palustris</i>	Kara Foley ¹ , North Carolina State University	Page 34

1. Indicates a student presenter