



**Spring Meeting
and Hydrilla
Training**

Springfield, MA

June 3-5, 2019



NEANS

**NORTHEAST AQUATIC
NUISANCE SPECIES PANEL**





Conference call and webinar access

Dear NEANS Panelists and ANS friends,

This document provides you with instructions, links, and credentials for conference call and webinar access.

The webinar is desktop sharing style so you will be able to see the presentations as they appear on the projection screen at the meeting. To hear the presenters and participate in discussions, you must dial into the conference line. *You may also dial-in if you do not wish to participate in the webinar.*

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Access includes the Northeast Aquatic Nuisance Species Panel Steering Committee, Northeast Aquatic Nuisance Species Panel general session, and Northeast Aquatic Nuisance Species Council board of directors meetings.

<https://www.freeconferencecall.com/wall/896071684>

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If you cannot travel to the meeting or participate remotely, I will be posting presentations (where presenter permissions are provided to me) at <http://www.northeastans.org/panel-members.html>, where your briefing book is posted. **Please be sure to take a moment to visit the meeting forum at <https://www.northeastans.org/forum/june-2019-meeting-roundtable-updates/> and add your update in lieu of meeting summary transcription. Thank you.**

Should you encounter any difficulties, please call me (not a text) at the number below or email me. I will endeavour to respond as I am able during the meeting.

Safe travels, keyboarding, and dialing.

—
Michele L. Tremblay
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my pronouns are: she, her, hers



**Northeast Aquatic Nuisance Species Panel
meeting and Hydrilla training**
LaQuinta Inn & Suites
100 Congress Street, Springfield, MA
June 3-5, 2019
Agendas

Monday, June 3, 2019 | Hydrilla Training Workshop

1:00 PM Welcome and introductions

**Northeast Aquatic Nuisance Species Panel and Lake Champlain
Basin Program**

1:15 PM Connecticut River Hydrilla: survey efforts to date

*Jim Straub, MA Department of Conservation and Recreation
Greg Bugbee, CT Department of Environmental Services*

1:45 PM How to use PIS, tuber bank monitoring, and hydroacoustic mapping

Dean Jones, University of Florida

2:15 PM Big system monitoring strategies

Chris Doyle, SOLitude Lake Management

2:45 PM Treatment strategies and considerations

Mike Greer, US Army Corps of Engineers, Buffalo District

3:15 PM Outreach and education as a management tool

*Catherine McGlynn, NY State Department of Environmental
Conservation*

**3:45 PM Hydrilla in the Connecticut River: impacts in the Northeast and the
Lake Champlain Basin**

Meg Modley, Lake Champlain Basin Program

**4:15 PM Summary, next steps, and logistics for field day on the Connecticut
River**

Presenters and organizers

Tuesday, June 4, 2019 | Hydrilla training: fieldwork

**8:30 AM Meet in hotel lobby for carpool to boat launch at 100 M Street in
Agawam**

9:00 AM – Field training on the Connecticut River

5:00 PM *Boat seats, boxed lunches, and snacks are provided to confirmed
registrants (please bring a filled water bottle)*

Wednesday, June 5, 2019 | NEANS Panel spring meeting

8:30 AM Full Panel meeting: welcome, introductions, review of meeting agenda, and updates by Co-chairs

Kevin Cute, RI Coastal Resources Management Council

David Wong, MA Department of Environmental Protection

ANS updates and Panel business:

- Membership updates – Michele Tremblay
- December 2018 meeting and February 2019 call summary acceptance – Meg and Kevin
- Schedule mid-term Panel conference call in August 2019 – Kevin, David, and Michele
- Fall 2019 meeting planning in Maine – Kevin, David, and Michele with input from Maine NEANS Panelists
- Aquatic Nuisance Species Task Force, Invasive Species Advisory Council, and National Invasive Species Council – updates from members present

9:00 AM Spotlight on Species: Marine debris as a potentially major new global vector for marine bioinvasions

James T. Carlton, Professor of Marine Sciences, Emeritus, Williams College; Director Emeritus, The Williams College-Mystic Seaport

Maritime Studies Program; and Founding Editor, Biological Invasions

10:00 AM Hydrilla workshop: summary and next steps

Greg Bugbee, CT Department of Environmental Services

Jim Straub, MA Department of Conservation and Recreation

Meg Modley, Lake Champlain Basin Program

10:30 AM Roundtable—*really* fast-paced updates from Panelists (post to <https://www.northeastans.org/forum/june-2019-meeting-roundtable-updates/>)

Moderated by Kevin Cute and David Wong

11:15 AM Vessel Incidental Discharge Act: bill status and implications for the Northeast

Kevin Cute, RI Coastal Marine Resources Council

11:30 AM Work groups meet and (working) lunch on your own or in groups

1:30 PM Work group reports

2:30 PM Public comment period

2:45 PM Decision and action items review

3:00 PM Adjourn



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Meeting Summary Draft • December 3-4, 2018
NH Department of Environmental Services • Portsmouth, NH

Panelists present in Portsmouth and via conference call/webinar (cc/w): Kevin Cute; RI Coastal Resources Management Council; Alicia Grimaldi, US Environmental Protection Agency Region I; Bill Harman, NY State Federation of Lake Associations; Sandra Keppner, US Fish and Wildlife Service (cc/w); Catherine McGlynn, NYS Department of Environmental Conservation; John McPhedran, ME Department of Environmental Protection; Meg Modley, Lake Champlain Basin Program; Josh Mulhollem, VT Department of Environmental Conservation; Susan Pasko, Aquatic Nuisance Species Task Force (cc/w); Judy Pederson, MIT Sea Grant; Ian Pflingsten, US Geological Survey (cc/w); Amy Smagula, NH Department of Environmental Services (cc/w); and David Wong, MA Department of Environmental Protection.

Others participating on site and or via conference call/webinar: Ann Bove (cc/w); Karen Hahnel, ME Department of Environmental Protection; Cristina Kennedy, MA Office of Coastal Zone Management; and Michele L. Tremblay, natureresource communications, contractor to the Panel.

Full Panel meeting: welcome, introductions, review of meeting agenda, and updates by Co-Chairs – Meg Modley, Lake Champlain Basin Program and Kevin Cute, RI Coastal Marine Resources Council welcomed everyone to the meeting and outlined the agenda for the NEANS Panel meeting. Michele Tremblay provided additional logistics and gratitude to the NH Department of Environmental Services for their gracious hosting, which has made this meeting possible.

ANS updates and Panel business:

- The Panelists and guests introduced themselves and their organizations.
- The Panel welcomed its newest member, Robert Russell, from the ME Department of Marine Resources.
- Karen made a correction from Providence to Grand Isle on the participant listing section. John moved to accept the April 2018 meeting summary with the correction. Alicia seconded the motion. The motion carried.
- John moved to accept the August 2018 call summary. Alicia seconded the motion. The motion carried.

Decision: The April 2018 meeting summary was accepted with correction.

Decision: The August 2018 call summary was accepted.

- February 2019 mid-term conference call.
Action: Michele will poll Panelists for the dates of February 4-5 and the last week of February for the mid-term full panel conference call.
- The Panel discussed scheduling its spring 2019 meeting. There is an opportunity for the Army Corps of Engineers to conduct a hydrilla assessment training, which could be located near the Connecticut River, such as US Fish and Wildlife Service headquarters in Hadley, MA. There is also an opportunity for presentations at the

Panel meeting. David offered meeting facilities in Worcester at MA Department of Environmental Protection facilities. There are marine presentations, including results from the recent Rapid Assessment Survey, and changes in the environment and climate. There are new bryozoan sightings, which could be presented. Bait importation issues, which the Mid-Atlantic Panel have highlighted, are timely. Zebra mussels have not be a Panel meeting discussion topic for some time but there are infestations in the region. The zebra mussel task force in Massachusetts may wish to present and request input from the Panel. The Panel noted that it is slated to host the federal Aquatic Nuisance Species Task Force for its spring 2020 meeting.

Action: Michele will work with Meg Modley to coordinate the hydrilla training and fieldwork with a spring or summer Panel meeting, secure a facility.

Michele will poll Panelists for dates and distribute a save the date message to Panel@NortheastANS.org.

- Election of co-chair – Meg nominated David Wong. There were no further nominations. David indicated that he is willing to stand for election. David was elected as co-chair. Kevin presented Meg with a framed certificate to recognize her for her second two-year term of service as co-chair.

Vessel Incidental Discharge Act: bill status and implications for the Northeast

Kevin Cute, RI Coastal Resources Management Council, provided an overview of the VIDA process to date. The presentation focuses on national standards and state inspection programs. The bill included VIDA provisions in the Coast Guard authorization bill. Further information is included in the presentation posted at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

Highlights from New Hampshire

Scott Decker, NH Fish and Game Department, monitors newly discovered species, which he reports on the NAS website. There have been additional Chinese mystery snails. A new white river crayfish was found in New Hampshire for the first time. He has coordinated efforts with Amy Smagula on the state plan, which is not yet approved by the Aquatic Nuisance Species Task Force.

<https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

New Hampshire's Exotic Aquatic Weeds and Species Committee

Michele L. Tremblay, New Hampshire Rivers Council, presented the background, role, and work of the legislative committee.

<https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

Aquatic Invasive Species Treatment: Is Salt a Terminator or a Facilitator?

David Wong, MA Department of Environmental Protection,

<https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

Roundtable

At its May 2016 meeting, the Panel decided not to transcribe roundtable updates.

Panelists provide their updates on the Panel Forum at

<https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

Action: Panelists and other participants will provide their roundtable updates via the Panel's forum at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

Work group reports

Spread Prevention

Meg and Greg presented on the Hydrilla work to date, including the genetic testing of the Connecticut River samples. Work will continue in the spring including eDNA analysis and outreach efforts such as floating key chains, signs, and rack cards.

Climate Change

The work group is proposing a workshop that addresses economic, public health, and ecosystem effects from invasive species for both freshwater and marine audiences. The workshop will comprise municipalities, fishers, and other audiences.

In the freshwater arena, the work group discussed the increase of cyanobacteria blooms in lakes and rivers. On the marine side, the work group discussed the reduction of herring and mackerel stocks. These species are used as baitfish. When new baitfish are substituted, they can be an invasive species vector.

Judy provided an update on the ongoing discussion of invasive species range expansion. The concept of sentinel organisms to gauge climate change does not yet have traction in freshwater habitats but it is an important metric. Several have been identified in marine habitats.

A green crab identification training workshop, while not strictly a climate change issue, was discussed by the work group.

Action: Judy will identify regional researcher to present climate change expansion issues to the NEANS Panel at an upcoming meeting.

Spotlight on Species: Eelgrass

Phil Colorusso, US Environmental Protection Agency and Hilary Neckles, USGS Patuxent Wildlife Research Center, presented on their eelgrass research.

<https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>

Review decision and action items

Michele projected the meeting's decision and action items for Panel consensus.

Public comment period

There being no further business, the meeting adjourned at 12:22 PM.

Meeting summary prepared by Michele L. Tremblay, naturesource communications

Review and agreement on decision and action items

Decisions

- The April 2018 meeting summary was accepted with correction.
- The August 2018 call summary was accepted.

Actions

- Michele will poll Panelists for the dates of February 4-5 and the last week of February for the mid-term full panel conference call.
- Michele will work with Meg Modley to coordinate the hydrilla training and field work with a spring or summer Panel meeting, secure a facility. Michele will poll Panelists for dates and distribute a save the date message to Panel@NortheastANS.org.
- Panelists and other participants will provide their roundtable updates via the Panel's forum at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/2018-12/>
- Judy will identify regional researcher to present climate change expansion issues to the NEANS Panel at an upcoming meeting.



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Conference Call DRAFT Summary • February 25, 2019

Panelists present via conference call: Kevin Cute, RI Coastal Marine Resources Council; Scott Decker, NH Fish and Game Department; Mark Malchoff, Lake Champlain Sea Grant; Audra Martin, New England Interstate Water Pollution Control Commission; John McPhedran, ME Department of Environmental Protection; Josh Mulhollem, VT Department of Environmental Conservation; Steven Pearson for Catherine McGlynn, NYS Department of Environmental Conservation; Wes Daniel for Ian Pflingsten, US Geological Survey; Judy Pederson, MIT Sea Grant; Read Porter, RI Sea Grant; Amy Smagula, NH Department of Environmental Services; Jim Straub, MA Department of Conservation and Recreation; and David Wong, MA Department of Environmental Protection.

Others participating via conference call: Vanessa Curren, MA Department of Conservation and Recreation; Matt Neilson, US Geology Survey, and Michele L. Tremblay, naturesource communications, contractor to the Panel.

Welcome and roll call

Kevin Cute and David Wong, co-chairs welcomed everyone to the conference call. Michele Tremblay conducted the roll call.

State Management Plan funding announcement

On Friday, the US Fish and Wildlife Service sent an announcement on February 22, 2019 next fiscal year of grants has been posted. There is a \$40,000 maximum for which each state or other approved management plan organization may apply. Jim asked how other states are managing overhead costs over the allowed 5 percent. Maine is using the funds to provide grants to groups as pass through funds. Rhode Island is working with organizations on sole-source contracts. There is no decision on whether non-state agencies can manage funds with a lower overhead or indirect rate.

NEANS Panel spring summer June 3-5, 2019 meeting and workshop planning and venue discussion

Michele outlined the Panel's site selection criteria, which include a no-cost meeting space with WiFi or other Internet capabilities, a telephone line, and no outside food restrictions. A hotel that provides federal per diem and is located nearby is a plus. For this meeting, proximity to the Connecticut River is important. She suggested that Northampton, Massachusetts might be a good starting point. Jim said that the most northern site of the Hydrilla invasion is in Springfield. There are a lot of hotels nearby and a MA Department of Environmental Protection regional office that might accommodate the meeting and training. Amy suggested that the Michele contact Greg Bugbee at the CT Agricultural Experiment Station and see if they can host the Panel again at the campus.

Action: Michele will research Northampton area facilities, contact Jim and David about the MA Department of Environmental Protection offices, and contact Greg Bugbee about possibilities at the CT Agricultural Experiment Station facilities.

NEANS Panel meeting agenda planning

The Panel reviewed the current meeting structure and how the classroom and fieldwork sessions would fit into the schedule. The Panelists reviewed the placeholders and presenters list.

- Invasive species spread tsunami and marine range expansion and rising temperature: Jim Carlton (invited). One of both of these topics would be the “Spotlight on Species” agenda feature.
 - Legislative matrix: Amy reported that it should be ready by early June.
 - New introductions and tools: US Geological Survey.
 - Rapid Assessment Survey planned for August 2019: Judy.
 - Hydrilla project update, genetic diversity, and next steps: Greg (invited)
- Kevin asked Judy if she is planning a Rapid Assessment Survey this summer. She plans to request funds from the NEANS Panel and the member states and other organizations to support the effort from Rhode Island to New York at the end of August 2019. The area has not been surveyed since 2003.

John asked about the Council serving as a fiscal agent for the eDNA project. The Council will vote on that decision.

Action: Judy will contact Jim Carlton for presentations on June 3 or 4, 2019 or contact other area scientists for other projects.

Action: Amy will advise Michele if the matrix will be ready for an agenda discussion.

Action: US Geological Survey will present on new introductions and tools.

Action: Judy will present on the plans for the August 2019 marine Rapid Assessment Survey.

Action: Michele will contact Greg to invite him to present on the status of the Hydrilla project, including the genetic results from this past summer’s samples.

Other business

David reported that the North American Invasive Species Management Association (NAISMA) contacted Cathy and him about their conference in Saratoga Springs, NY from September 30-October 3, 2019. They asked if the Panel was interested in co-host the NAISMA conference and co-locate it with the fall NEANS Panel meeting. One option is for the Panel to make a presentation at the NAISMA conference. Steven said that other Panels may be in attendance. He is a member of the Mid-Atlantic Panel on Aquatic Invasive Species. If the NEANS Panel cannot co-host, it could be useful for Panelists to attend.

Mark reported that S.140 2017-2018 authorized \$50 million for invasive species risk assessment and watch list work in the Great Lakes and Lake Champlain.

Matt Neilson reported that Pam Fuller, after a lengthy career, retired from the US Geological Survey at the end of 2018.

Action: Michele will send a thank you letter on behalf of the Panel to Pam Fuller.

Public comment period

There was no public comment.

Review action items

The Action items were reviewed and agreed upon.

- Michele will research Northampton area facilities, contact Jim and David about the MA Department of Environmental Protection offices, and contact Greg Bugbee about possibilities at the CT Agricultural Experiment Station facilities.
- Judy will contact Jim Carlton for presentations on June 3 or 4, 2019 or contact other area scientists for other projects.
- Amy will advise Michele if the matrix will be ready for an agenda discussion.
- US Geological Survey will present on new introductions and tools.
- Judy will present on the plans for the August 2019 marine Rapid Assessment Survey.
- Michele will contact Greg to invite him to present on the status of the Hydrilla project, including the genetic results from this past summer's samples.
- Michele will send a thank you letter on behalf of the Panel to Pam Fuller.

There being no further business, the meeting adjourned at 10:52 AM.

Conference call summary prepared by Michele L. Tremblay, natresource communications

NEANS Panel • June 2019 meeting participants

name	affiliation	email	telephone	ext
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NEANS Panel • Hydrilla Workshop: June 2019

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