



Fall Meeting

Video call

December 3 and 8, 2021



NEANS

NORTHEAST AQUATIC
NUISANCE SPECIES PANEL



Join Zoom Meeting

<https://us02web.zoom.us/j/9958018452?pwd=bnJnMFIBdlZZUzJWMzNXVHk3b0lFQT09shorturl.at/fAUX8>

Meeting ID: 995 801 8452

Passcode: K0BkWP

One tap mobile

+13017158592,,9958018452# US (Washington DC)

+13126266799,,9958018452# US (Chicago)

Dial by your location

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

Meeting ID: 995 801 8452

Find your local number: <https://us02web.zoom.us/j/kdrJ1oet4z>



**Northeast Aquatic Nuisance Species Panel
meeting**

December 3 and 8, 2021

Video conference

Friday, December 3, 2021 (all times are ET)

9:00 AM Welcome, introductions, and roll call – NEANS Panel co-chairs and Program Manager

Ian Pfingsten, US Geological Survey

James Straub, MA Department of Conservation and Recreation

Michele L. Tremblay, naturesource communications, contractor to the Panel

ANS brief updates and Panel business

- Membership updates – Michele L. Tremblay, contractor to the Panel
- May 2021 meeting summary acceptance – Ian and Jim
- August 2021 mid-term meeting summary acceptance – Ian and Jim
- Schedule mid-term Panel conference call in February 2022 – Ian, Jim, and Michele
- Spring 2022 meeting: scheduling, logistics, and agenda suggestions – Ian, Jim, and Michele
- ANS Task Force business and meeting updates – Susan Pasko, Executive Secretary, US Aquatic Nuisance Species Task Force
- State Management Plans and new grants management system – Sandra Keppner, US Fish and Wildlife Service
- National Invasive Species Council – updates from members present

10:30 AM National Horizon Scan of Vertebrate Organisms in Trade: Bringing Awareness to the Potential Next Invasive Species to the U.S.

Wesley Daniel, US Geological Survey

11:00 AM Molecular survey for a recently introduced genotype of hydrilla (*Hydrilla verticillata* L.f. Royle) in the United States

Dean Williams, Texas Christian University

11:30 AM Management Tools for Control of Aquatic Invasive Species: A new Chemical and a New Old Chemical

Jon Amberg, US Geological Survey

12:30 PM Public comment period

1:00 PM Recess until December 8, 2021 at 1:00

The Northeast Aquatic Nuisance Species Council will convene immediately after the recess of the meeting on December 3. Agenda materials will be sent under separate cover to officers and directors.

Wednesday December 8, 2021 (all times are ET)

1:00 PM Welcome back

Ian Pfingsten, US Geological Survey

James Straub, MA Department of Conservation and Recreation

1:15 PM Roundtable: updates from NEANS Panel representatives

Ian and Jim, moderators

2:15 PM Hydrilla in the Connecticut River: updates and next steps

Ian, Jim, Meg Modley, and Catherine McGlynn

**3:30 PM Marine Invasions in New England: Summer 2021 Field Adventures
and Some Lessons Learned**

Jim Carlton, Williams College

4:30 PM Public comment period and other business

4:45 PM Review action items and next steps

Ian, Jim, and Michele

5:00 PM Adjourn



PO Box 3019
Penacook, NH 03303
603.796.2615 • info@northeastans.org
www.northeastans.org

Meeting Summary DRAFT | May 18-19, 2021
conference call/webinar

NEANS Panelists present: Renée Bernier, Fisheries and Oceans Canada; Greg Bugbee, CT Department of Environmental Services Agricultural Experiment Station; Scott Decker, NH Fish and Game Department; David Gregg, RI Museum of Natural History; Alicia Grimaldi, US Environmental Protection Agency; Bill Harman, NYS Association of Lake Federal of Lake Association; Kim Jensen, VT Department of Environmental Conservation; Meg Modley, Lake Champlain Basin Program; John McPhedran, ME Department of Environmental Protection; Catherine McGlynn, NYS Department of Environmental Conservation; Judy Pederson, MIT Sea Grant; Ian Pfingsten, US Geological Survey; Read Porter, Rhode Island Sea Grant Legal Program; Amy Smagula, NH Department of Environmental Services; Jim Straub, and David Wong, MA Department of Environmental Protection.

Others participating: Ann Bove, consultant; Denise Blanchette, ME Department of Environmental Protection; Vanessa Curran, MA Department of Conservation and Recreation; Wes Daniel, US Geological Survey; Karen Hahnel, ME Department of Environmental Protection; Chris Gobler, School of Marine and Atmospheric Sciences, Stony Brook University; Alanna Keating, BoatUS Foundation; Christine Lipsky, National Park Service; Don MacLean, US Fish and Wildlife Service for the Aquatic Nuisance Species Task Force; Meagan McCormack, NYS Natural Heritage program; Sarah LeSage, Great Lakes Panel; Susan Pasko; Aquatic Nuisance Species Task Force; Steven Pearson, NYS Department of Environmental Conservation; Adam Sepulva, US Geological Survey; Michele L. Tremblay, naturesource communications, contractor to the Panel; Erin Vennie-Volrath, NYS Department of Environmental Protection; and Cecilia Weibert, Great Lakes Panel.

Full Panel meeting: welcome, introductions, by co-chairs and roll call – Read Porter, Rhode Island Sea Grant Legal Program and Ian Pfingsten, US Geological Survey.

ANS updates and Panel business:

- Michele called the roll and established that there is a quorum.
- Membership: Michele provided a report with a new member, Brian Greene, The Nature Conservancy New York. There are no further updates on the federal agencies' seats and other organizations. There are Panelist ongoing participation gaps for the National Oceanic and Atmospheric Administration (NOAA), the US Coast Guard (USCG), and National Park Service (NPS). Susan Pasko, Executive Secretary, federal Aquatic Nuisance Species Task Force, has been working with the regional panels to support and help secure membership. Michele has been speaking with Susan about other vacancies. The best results may come from local office recruitment. However, Susan's clout at the DC level is invaluable.

- **Action: Michele will prepare a list of federal agencies for Susan to assist her with identifying representatives from Coast Guard, National Park Services, and National Oceans and Atmospheric Administration, and the Coast Guard,**
- John moved to accept the November 2020 meeting summary. Ian seconded the motion. The motion carried with a correction to a typographical error in the November 2020 document.
- Meg moved to accept the February 2021 meeting summary. Ian seconded the motion. The motion carried.
Decision: The November 2020 and February 2021 meeting summaries were accepted with a typographical error in the November 2020 document.
- Schedule mid-term Panel summer conference call.
Decision: The Panel will convene its midterm meeting in August 2021.
Action: Michele will work with the co-chairs on a polling platform checking availability for first thing in the morning and late in the afternoon for the weeks of August 16 and 23, 2021.
- Schedule fall 2021 meeting
Decision: Schedule fall meeting for November or December 2021 November 29 and December 6, 2021
Action: Michele will work with the co-chairs on a polling platform checking availability for first thing in the morning and late in the afternoon for the weeks of November 29 and December 6, 2021.
- Susan provided an update on the ANS Task Force and presentation on moss balls, which is posted at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/may-2021-meeting-presentations>.
- Everyone felt that it was a wonderful model of how to provide information to agencies and to the general public, which can be used at the state levels. The information was provided to everyone very quickly. Several agencies said that their relationships within their own state networks were improved during this crisis. It is an eye opener for everyone to understand a risk that occurred quickly and a good response model. Some felt that there was confusing about whom to contact. That could be a lesson learned for the states and how a command model might be helpful for the jurisdictions, where appropriate.
- There was no one available to provide a National Invasive Species Council update.
- Sandra Keppner was called away and could not provide a State Management Plan update.

Proposal for Joint Great Lakes and NEANS Panels

Sarah LeSage, outgoing chair, Great Lakes Panel, presented their recommendation, which now have small edits from the Great Lakes Panel that provide grammatical and clarifications, proposed as a joint recommendation with the NEANS Panel to encompass the Great Lakes and Lake Champlain for full EPA funding as part of FY 2022 budget implementing federal Vessel Incident Discharge Act (VIDA) for those waterbodies. The relevant Report to Congress will be attached to the recommendation. The Panel thanked Sara and Cecilia for preparing the recommendation, including the NEANS Panel, and their time to present it today.

Meg moved to submit with the Great Lakes Panel the recommendation relative to VIDA and funding. Ian seconded the motion. The motion carried.

Decision: The Panel agreed to co-submit the Great Lakes Panel's proposed joint recommendation regarding VIDA to the ANS Task Force.

Action: Michele will work with the NEANS Panel co-chairs and Sarah LeSage to submit the proposed joint recommendation regarding VIDA to the ANS Task Force.

Panel recommendations to the ANS Task Force Chinese mitten crab

Judy Pederson, MIT Sea Grant, provided an overview of the recommendation (posted at ANSTaskForce.gov) that she and others in the Climate Change Work Group prepared. She thanked Kevin Cute and Cathy McGlynn on their mitten crab work. She has asked Jim Straub to be part of the team until he identifies a Massachusetts contact. Ian asked if there were eDNA markers available. The recommendation might be stronger with a specific “ask” to that committee. She will include them and the references in the final version of the recommendation. Wes said that Susan Pasko is the temporary chair of the Research Committee of the ANS Task Force. The recommendation requires a vote today.

Judy moved to proceed with the recommendation with the proposed revisions. John seconded the motion. The motion carried.

Decision: The Panel agreed to submit the proposed recommendation regarding Mitten Crab to the ANS Task Force.

Action: Michele will work with the NEANS Panel co-chairs to submit the proposed recommendation regarding Mitten Crab to the ANS Task Force.

Hydrilla

Cathy McGlynn, NYS Department of Environmental Conservation, summarized the recommendation (posted at ANSTaskForce.gov), which requested a heightened consideration, support, and coordination at the federal level.

Meg moved to proceed with the recommendation. Cathy seconded the motion. The motion carried.

John seconded the motion. The motion carried.

Decision: The Panel agreed to submit the proposed recommendation regarding Hydrilla to the ANS Task Force.

Action: Michele will work with the NEANS Panel co-chairs to submit the proposed recommendation regarding Hydrilla Crab to the ANS Task Force.

VIDA

Read Porter, RI Sea Grant, introduced the VIDA recommendation (posted at ANSTaskForce.gov), which resulted from the recent VIDA group call. The ANS Task Force can have a significant role in implementation. Sarah LeSage asked about the current US Coast Guard (USCG) State Working Group’s recommendations and actions. It may be a better strategy to determine where there may be places in their recommendations where there are further needs by the states. The federal law requires the ANS Task Force to act on the VIDA. The Panel has to make recommendations to the ANS Task Force. The Panel can recognize the Working Group’s work to strengthen the Panel’s recommendation. Read will update the recommendation with mitten crab and USCG Working Group Recommendation.

John moved to approve the recommendation with the proposed revisions. Cathy seconded the motion. The motion carried.

John seconded the motion. The motion carried.

Decision: The Panel agreed to submit the proposed recommendation regarding VIDA to the ANS Task Force.

Action: Michele will work with the NEANS Panel co-chairs to submit the proposed recommendation regarding VIDA to the ANS Task Force.

Work and other groups' reports

Climate Change: Judy provided a synopsis of the work group's terms of reference it prepared. The process was important to recognize what the group had completed, what it had not, and a three-year plan for its objectives. 1). Rapid Assessment Survey (RAS), 2). Draft information for managers to help them understand CC and identify gaps in climate change data and information, and 3). Disseminate information to audiences. The second phase is for the work group to see how it would fund RAS again, which has, in the past, come from several organizations. The RAS is conducted every three or four years so it is time plan for another survey. The next phase is to find long-term, sustainable support for the RAS. Also needed is to assure of the RAS goals and to support them financially. This includes proactive work with legislators and other decision makers are needed. A series of one-page summaries of identified issues are planned.

Spread Prevention: The Work group met on May 7 and discussed 1). Having the Panel involved in the Great Lakes AID Landing blitz to develop public service announcements during the weeks of June 5 and July 5, and better leverage National Invasive Species Week in the Northeast region, 2). Supporting bait vector trade work (Amy Fowler's effort); evaluating vectors 3.) OIT and horizon scanning, 4). Identify states' and organizations' status of outreach efforts and coordinating messages, Northeast states and provinces could be polled, and develop a PSA for invasive species. The group has drafted a recommendation to the ANS Task Force for hydrilla on the Connecticut River. Read participated in the meeting and impressed by the different initiatives. With a full agenda, the terms of reference for the work group was developed but will be drafted after field season has concluded. The Army Corps of Engineers has been contacted with states' priorities to survey hydrilla within the Connecticut River watershed.

VIDA Squad

Alicia is the new EPA lead for this effort. The Squad will draft a terms of reference (TOR) as a work group.

Action: Michele will send to the Panel the Climate Change, Spread Prevention, and VIDA work group terms of reference documents.

Public comment period

There was no public comment.

Other business

There was no other business.

Rapid Assessment Survey of marine bioinvasions of southern New England and New York with an overview of new records and range expansions

Judy Pederson provided background, protocols, and results from the survey. Judy thanked the agencies that contributed to the effort, including the NEANS Panel. The presentation can be viewed at

<https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/may-2021-meeting-presentations>

Moving in? Chinese mitten crabs

Judy provided an overview of the current range and expansion of the crabs. There has been one sighting in New York. The US Fish and Wildlife Service map in the presentation represents a climate change map, which can be viewed as a range expansion map. The NEANS Panel is submitting a recommendation to the Aquatic Nuisance Species Task Force. The presentation can be viewed at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/may-2021-meeting-presentations>

Hydrilla on the Connecticut River

Cathy McGlynn presented the species and response status. Meg thanked the state leads for gathering specimens for the study. David said that Procellacore® is not permitted in sensitive habitat. The hydrilla type is likely a different type of monoecious hydrilla but cannot be confirmed at this time. The presentation can be viewed at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/may-2021-meeting-presentations>

eDNA Work: now what?

Adam Sepulveda, US Geological Survey, presented on DNA on zebra mussels, which is a sensitive issue in the west, where he is based. There is a challenge with making decisions when not all facts are available. The presentation included next steps for USGS and the NEANS Panel, which are to convene in the fall of 2021 at five in-person meetings (travel reimbursement is possible for NEANS Panelists) and ten two-hour meetings convened virtually. Case studies are solicited. The model is based a mix of qualitative and quantitative data in a matrix. The presentation can be viewed at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/may-2021-meeting-presentations>

Action: Michele and Adam will work together to frame a specific request to NEAN Panelists to participate in the next steps for the project.

Factors promoting the proliferation of the red seaweed, *Dasysiphonia japonica*, and consequences for newly invaded ecosystems

Christopher Gobler presented results of his research on climate change and the red seaweed invasion in New York. In 2007, it was first observed in the Northeast. The decayed species releases hydrogen sulphide, which is hazardous to human life (<https://link.springer.com/article/10.1007/s10530-020-02445-9>). The study included the addition of both nitrogen and phosphorus. On Long Island, there is an effort to upgrade 200,000 onsite septic systems with a grant program from the State of New York. This is a cost saving vs. community systems. The presentation can be viewed at <https://www.northeastans.org/index.php/home/meetings-and-panel-information/docs/meetings/may-2021-meeting-presentations>

There being no further business, the meeting adjourned at 4:24 PM.

Meeting summary prepared by Michele L. Tremblay, naturesource communications (contractor to the Panel)



PO Box 3019
Penacook, NH 03303
603.796.2615 • info@northeastans.org
www.northeastans.org

Meeting Summary Draft • February 17, 2021
conference call/webinar at 1:00 PM ET / 2:00 PM AT

NEANS Panelists present: Renée Bernier, Fisheries and Oceans Canada; Greg Bugbee, CT Department of Environmental Services Agricultural Experiment Station; Scott Decker, NH Fish and Game Department; Bill Harman, NYS Association of Lake Federal of Lake Association; Sandra Keppner, US Fish and Wildlife Service; John McPhedran, ME Department of Environmental Protection; Catherine McGlynn, NYS Department of Environmental Conservation; Meg Modley, Lake Champlain Basin Program; Judy Pederson, MIT Sea Grant; Ian Pfungsten, US Geological Survey; Read Porter, Rhode Island Sea Grant Legal Program; 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: Ann Bove; Wesley Daniel, US Geological Survey; Karen Hahnel, ME Department of Environmental Protection; Don MacLean, US Fish and Wildlife Service; Marshall Meyers, Meyers & Alterman; Susan Pasko, Aquatic Nuisance Species Task Force; and Michele L. Tremblay, naturesource communications, contractor to the Panel.

Full Panel meeting: welcome, introductions, by co-chairs and roll call – Read Porter, Rhode Island Sea Grant Legal Program and Ian Pfungsten, US Geological Survey.

Roll call

Michele called the roll. A quorum was established.

Preparing for the ANS Task Force meeting via conference call/computer

The meeting will be convened online. The NEANS Panel's hosting is belayed.

- For the fall meeting, the Panel did not submit recommendations. The Panel discussed recommendations on for the ANS Panel's spring meeting. Meg would like to submit a recommendation about Hydrilla on the Connecticut River. This invasion is significant in the northeast. The participation of federal agencies is essential for stewards and outreach. Read observed that the Task Force's response was relatively fast without an opportunity for substantive discussion to support recommendations. Read asked what specific "ask" the Panel would make on a Hydrilla recommendation. The Panel participated in the Army Corps of Engineers' participation during its June 2019 meeting and training on the Connecticut River. The request would be to continue to raise awareness and request federal agency support. The work group is has drafted a letter to the Coalition for Northeast Governors, which would be sent by the NEANS Council.

Jim said that of the four major boat ramps in Massachusetts, three are state owned and have signs. There is municipal responsibility for the maintenance of these access sites. These municipalities do not have funding or resources for this authority. The fourth is owned by a marina. Sign request is in process. Jim felt that

a letter to northeast governor or governors might make a difference. Jim's agency is looking at what maintenance can be done at the access point near the amusement park. Hydrilla is still at the site and appears to be sporadic but not less or more widespread. The substrate is more rubble than sediment so tuber sampling has not been fruitful. The plant could be in the rubble and not being scoured downstream. Jim asked who were the federal agencies that were the Hydrilla specialists. A possible recommendation would be to request that, "federal partners to prioritize response and support state's efforts to contain and prevent spread of population to un-infested bodies of water." Additionally, maintain and enhance Panel and state management plan funding. Jim feels that despite affected and potentially affected states working well together, a federal coordinating body is needed for the scope of this issue. Read feels that an effort similar to the west's Q-ZAP effort is needed and should be included in the recommendation.

John moved to submit the hydrilla recommendation. Jim seconded the motion. The motion carried.

Judy would like to make a recommendation regarding an eDNA approach to monitoring Chinese mitten crab in the Norwalk, Connecticut area. They are in the Housatonic River watershed. They may be in other freshwater environments. Wes Daniels will see if the US Geological Survey has a DNA library for Chinese mitten crab. If it does not exist, it should be created and funded by the cognizant federal agency. The Maine, Massachusetts, and New Hampshire Sea Grants published a mitten crab management plan. Long Island Sound was identified as a key area. The Smithsonian Environmental Center has been tracking mitten crab. US Fish and Wildlife Services has a library for the species.

Judy moved to submit the Chinese mitten crab recommendation to the ANS Task Force. John seconded the motion. The motion carried.

Rhode Island's VIDA Plan follows the state's policy and resources. The other northeast states could use it as a model. Read observed that this is likely less a recommendation and more the work that the Panel would conduct.

Decision: The panel recommends hydrilla action to the ANS Task Force.

Decision: The Panel recommends mitten crab action to the ANS Task Force.

Action: Cathy and Meg will lead the effort to prepare a hydrilla recommendation to the ANS Task Force.

Action: Judy will lead the effort to prepare a mitten crab recommendation to the ANS Task Force.

- NEANS Panel presentations for the ANS Task Force
Susan Pasko said that the meeting will be for three days with about three or four days each afternoon. She is speaking with regional panels to see if they want the opportunity to highlight its regional issues via presentation at the spring online meeting or when it hosts the Panel at a date to be determined. Read asked who might wish to make a presentation. Meg will present on the Great Lakes, including Lake Champlain, VIDA effort. She feels that the better way to present on Hydrilla when the Panel can host an in-person meeting. Susan Pasko said that the regional issues are usually a full day of an in-person meeting and include a field tour. Much of the ANS Task Force business was covered at the December meeting.

It would be a good opportunity to bring in presenters that might not be able to travel to meetings, e.g. Jim Carlton and Judy Pederson presenting on the Rapid Assessment Survey. She estimates ten or fifteen minutes but could present in more detail, as needed. She may also present on mitten crab.

It may be premature to ask Amy Fowler to make a follow-up presentation on bait worms. She provided a first presentation at the NEANS Panel and Mid-Atlantic Panel (MAPAIS) on Aquatic Invasive Species during their joint meeting. It affects both freshwater and marine habitats in the northeast US and Canada. Read suggested speaking with MAPAIS about their possible funding on Dr. Fowler's work.

John reported that they have conducted work with the Maine Seaplane Association. Working with seaplanes has been part of the ANS Task Force's focus.

Steve Williams came to the NEANS Panel meeting in Brattleboro. Sandy said that there is a lot of work in Alaska. The national Seaplane Association has produced a series of videos, which are good.

Decision: The NEANS Panel will offer presentations on Baitworm trade, Chinese mitten crab, Hydrilla, Rapid Assessment Survey, and VIDA.

Action: Michele will send emails to LIST topics, possible leads, and ask for presenter(s) for each.

- The NEANS Panel may elect to meet during the same week as the ANS Task Force or separately. Read recommended meeting at a different time and not during the ANS Task Force spring meeting week.

NEANS Panel Spring 2021 meeting

- The Panel discussed convening its spring meeting virtually during the month of May as an event separate from that of the ANS Task Force. The Panel may benefit from having its own meeting discussions informed by those of the ANS Task Force.

Action: Michele will send a Doodle poll for the weeks of May 10, 17, and 24 for the NEANS Panel meeting with the 2:00 – 4:00 PM ET / 3:00 – 5:00 PM AT.

- The Panel discussed its spring meeting agenda, including presentations. Ian asked if the ANS Task Force presentations will be recorded. Michele said that she can record the presentations. The webinar planning group has discussed several topics, some of which may be included in the Spring 2021 meeting. It is a good opportunity to bring in presenters that the Panel might not otherwise be able to see due to travel.

Amy suggested Allison Watts present on her DNA work. She will contact her once the meeting date is finalized.

Wes suggested a presentation on horizon scanning presentation in other regions and how it might be applicable to the NEANS Panel's work.

Work groups should convene before the Panel meeting.

Action: Panelists and other participants will send to Michele their presentation suggestions and assist with or contact directly the suggested speakers.

Work groups structuring

Read's understanding is that work groups were created and convened to address a specific issue and to disband when their work was completed. Should work group discuss this understanding and then draft recommendations for the Panel on continuing or disbanding or restructuring their work. The Panelists are stretched thin when there are many, ongoing work groups. John felt that it was a good idea to revisit the work groups' purpose. Their may also be a value in communicating, meeting, and discussing challenges to spur initiatives.

Action: Michele will contact the work groups to begin polling for their NEANS Panel pre-meeting gatherings.

Action: Michele will work with the co-chairs on an email to the Panel asking work groups to assess their work to date and plans for their future and provide the Panel with recommendations. The Panel will also make suggestions for other work groups.

Brief updates

- Rapid Assessment Survey: Judy was not able to stay on the call.
- Connecticut River Hydrilla Initiative: Cathy had no further updates.
- VIDA state coordination: Kevin was excused from the call.

Receiving NAS Alerts via email:

Ian provided a short presentation on the Nonindigenous Aquatic Species alerts page, and search and map alerts. He provided a demonstration of how to select and sign up for email alerts.

Action: Ian and Wes will explore with USGS IT staff adding another mapping category for the regional panels' states and provinces.

Action: Michele will work with Ian and Wes on distributing to Panel@NortheastANS.org an email with a PDF of a presentation that outlines the NAS alerts process.

Other business

There was no other business.

Public comment period

There was no public comment.

There being no further business, the meeting adjourned at 2:33 PM.

Meeting summary prepared by Michele L. Tremblay, naturesource communications (contractor to the Panel)