

HUBBARD BROOK MONTHLY October 2023 issue

Recent Publications

Bower, JA, DS Ross, SW Bailey, AM Pennino, MJ Jercinovic, KJ McGuire, BD Strahm, and ME Schreiber. 2023. Development of a lateral topographic weathering gradient in temperate forested podzols. Science Direct.

<https://doi.org/10.1016/j.geoderma.2023.116677>

Du, E, CM Clark, and W deVries. 2023. Chapter 15 - Forest remediation options in the face of excess nitrogen deposition. Science Direct.

<https://doi.org/10.1016/B978-0-323-91140-5.00004-X>

Gilliam, FS, DA Burns, CT Driscoll, SD Frey, GM Lovett, and SA Watmough. 2023. Chapter 12 - Responses of forest ecosystems to decreasing nitrogen deposition in eastern North America. Science Direct.

<https://doi.org/10.1016/B978-0-323-91140-5.00020-8>

Nash, JM, M Vadeboncoeur, GG McGee, CW Woodall, and RD Yanai. 2023. Biomass accumulation in trees and downed wood in northern hardwood forests: repeated measures of a successional chronosequence in New Hampshire, USA. Canadian Science Publishing.

<https://doi.org/10.1139/cjfr-2023-0060>

Hubbard Brook in the News

Extending Ecology: Making meaning with the White Mountains

[Oika](#)

US Forest Service experimental forests chosen for US-China climate initiative

[Project Topics](#)

Education and Outreach

See this update from Brendan Leonardi: The Hubbard Brook Research Foundation held its third Welcome to the Woods trip on Saturday, October 21st in Franconia Notch State Park. Organized by Brendan Leonardi and Amey Bailey, with support from Raisa Kochmaruk and Chris O'Rourke from the USFS Campton Office, we had a great day exploring the Notch with Ukrainian Refugee families from the Concord/Manchester area. Despite the weather conditions and lack of any mountaintop views, spirits were high and the day was filled with hikes, waterfalls, smiles, good cheer and new connections.

Announcements

After eighteen months on pause, Hubbard Brook's CASTNET site will be coming back online in January 2024! A coordinated effort from the Hubbard Brook Long-term Ecological Research program (HBLTER), the US Forest Service Forest, and the Hubbard Brook Research Foundation helped secure continued funding for this essential air pollution monitoring program. U.S. Forest Service Project Leader John Campbell, Syracuse University Professor of Environmental Systems and Distinguished Professor at the National Academy of Engineering Charley Driscoll, HBRF Executive Director Anthea Lavalley, and U.S. Forest Service Air Quality Specialist Ralph Perron were invited to give science-policy briefings for NH's congressional delegation in support of the program. We are delighted that funding for this essential air quality monitoring program has been restored!

2024 Youth Forum on Climate Action and Clean Energy

January 18, 2024 in Concord, NH

Days before the NH presidential primary, students and public figures will explore policies

and solutions for building a robust and resilient climate economy.

The Hubbard Brook Research Foundation, the League of Conservation Voters, and the Irving Institute for Energy & Society at Dartmouth College will host a youth forum at the intersection of public policy, climate action, and the clean energy economy. Through this public in-person event, NH students will engage with policy and corporate leaders, U.S. presidential candidates, celebrated authors and actors, philanthropists, and entrepreneurs to explore opportunities for building an economically strong and environmentally secure future.

Contact [Anthea Lavallee](#) for more information, and stay tuned for opportunities to participate or to attend.

The **Winter** Hubbard Brook Quarterly Project Meeting will take place January 3-4, 2024, **in person** at the Environmental Cooperative at the [Vassar Barns](#) (50 Vassar Farm Lane, Poughkeepsie NY 12603 - the same venue as last January.)

Day 1 of the January meeting (Wednesday, January 3rd) will run 1:00 - 5:00 pm, will feature the topic **ILTER Proposal Process and Reviews**, and will be co-led by Peter Groffman and Pam Templer.

Day 2 (Thursday, January 4th) will run 9:00 am - 3:00 pm, will feature the topic "**Preparing for Beech Leaf Disease**" and will be co-led by Nat Cleavitt and John Campbell.

Click [here](#) for a list of local hotels near Vassar College!

Dayna's DEI Digest

The Hubbard Brook Hiring Checklist: A tool for improving communication

Dayna De La Cruz (She/They)
Community Relations Specialist

I am sure you all can agree that the hiring process can happen with a good deal or urgency. In the eagerness to hire or to be hired, some details regarding job expectations may be overlooked which could lead to some unwanted miscommunication. And with the hiring season being around the corner, we wanted to offer something that could make this easier!

After receiving some feedback this past field season regarding job expectations, the Hubbard Brook Hiring Checklist was created as an optional tool to help improve this journey. PI's will be encouraged to complete the checklist before sharing with their crew or individual workers. Some of the checklist questions include:

- What are the work expectations? What are work schedules going to look like?
- What is everyone's role? What are everyone's responsibilities? What is the 'chain of command'?
- What are the physical demands for the season? How is my off-time going to work?

This tool is still in its development stage and we hope it evolves into a helpful hand that increases communication across our community. Feel free to provide any feedback to ddelacruz@hubbardbrookfoundation.org.

Shout-outs

See this shout-out from Brendan Leonardi: "I'd like to give a shout out to Amey Bailey for being an amazing partner and organizer for this Welcome to the Woods Outreach Trip initiative, putting in the time and effort to make meaningful experiences for our participants. None of these trips would be possible and I could not do this without you, Amey! I'd also like to give a shout out to Raisa Kochmaruk for joining us in the rain on Saturday for the trip and helping to make this experience a good one, many thanks to you Raisa!"

Hubbard Brook Data Report

The following new and updated datasets have been published in the Environmental Data Initiative repository this month:

Zukswert, J.M., S. Weimer, A. McGarry, A. Fessenden, A. Carter, and R.D. Yanai. 2023. Multiple Element Limitation in Northeast Hardwood Ecosystems (MELNHE) - Raw images for the analysis of stomatal density and length 2021-2022 ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/968fe01e9b507cbc9a4db9ee4ed671f1> (Accessed 2023-11-02).

Zukswert, J.M., S. Weimer, A. McGarry, A. Fessenden, A. Carter, and R.D. Yanai. 2023. Multiple Element Limitation in Northeast Hardwood Ecosystems (MELNHE) - stomatal density and length 2021-2022 ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/34850e37fda3b971214788c327ea21f2> (Accessed 2023-11-02).

Baillargeon, K. and S.V. Ollinger. 2023. Estimates of productivity and multiple measures of biodiversity at Bartlett and Hubbard Brook Experimental Forests ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/e7ab901abda706eb5016ae9c8e08533a> (Accessed 2023-11-02).

Fahey, T.J. and N. Cleavitt. 2023. Coarse Litterfall Data at the Hubbard Brook Experimental Forest, 1996 - ongoing ver 8. Environmental Data Initiative. <https://doi.org/10.6073/pasta/e477bd5671dd6f7dd46d915ccb9d35da> (Accessed 2023-11-02).

Fahey, T.J. and N. Cleavitt. 2023. Fine Litterfall Data at the Hubbard Brook Experimental Forest, 1992 - ongoing ver 9. Environmental Data Initiative. <https://doi.org/10.6073/pasta/4e2db80473c0c0d40b0e083ecdf2b31e> (Accessed 2023-11-02).

Thanks for reading!

Hubbard Brook Research Foundation | 30 Pleasant St., Woodstock, VT 05091

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