

HUBBARD BROOK MONTHLY September 2022 issue (CORRECTED)

Please see corrected Cleavitt et al. citation below.

Recent Publications

Besley, JC, and A Dudo. 2022. *Strategic Science Communication: A Guide to Setting the Right Objectives for More Effective Public Engagement*. Johns Hopkins University Press, 313 p.

<https://www.press.jhu.edu/books/title/12411/strategic-science-communication>

Bourgault, RB, DS Ross, SW Bailey, N Perdrial, and J Bower. 2022. Groundwater input drives large variance in soil manganese concentration and reactivity in a forested headwater catchment. *Soil Science Society of America Journal*.

<https://doi.org/10.1002/saj2.20439>

Campbell, JL, CT Driscoll, JA Jones, ER Boose, HA Dugan, PM Groffman, CR Jackson, JB Jones, GP Juday, NR Lottig, BE Penaluna, RW Ruess, K Suding, JR Thompson, and JK Zimmerman. 2022. Forest and Freshwater Ecosystem Responses to Climate Change and Variability at US LTER Sites. *BioScience*.

<https://doi.org/10.1093/biosci/biab124>

Cleavitt, NL, MS Montague, JJ Battles, OF Box, JH Matthes, and TJ Fahey. 2022. Enemy release from beech bark disease coincides with upslope shift of American beech. *Canadian Journal of Forest Research*.

<https://doi.org/10.1139/cjfr-2022-0107>

Jones, JA, and CT Driscoll. 2022. Long-Term Ecological Research on Ecosystem Responses to Climate Change. *BioScience*.

<https://doi.org/10.1093/biosci/biac021>

If your publication is missing from this list, please let us know:

scielinks@hubbardbrookfoundation.org

Hubbard Brook in the News

As ash trees are wiped out, Hubbard Brook saves some for research

[Concord Monitor](#)

40 years of Ecological Research, the Effects of Climate Change: podcast episode by Charlie Driscoll and Julia Jones

[BioScience Talks](#)

Outreach and Education Update

On August 7, Gene Likens gave a talk titled "Some reflections on 6 decades of international limnology," as part of the opening session for the International Society of Limnology in Berlin, Germany.

On September 16, Sarah Garlick shared Hubbard Brook climate data in a community presentation in Bartlett, NH called "Earth Time: The Geology and Climate Change of Mountain Pursuits," as part of the Tin Mountain Conservation Center's Adventure Fest.

On September 17, Hubbard Brook led the first in a series of guided forest field trips for refugee families from Afghanistan, Bhutan, Burundi, the Congo, and Rwanda. Amey Bailey (HB USFS Educator), Nikki Keown (WMNF Educator), and Brendan Leonardi (HBRF Educator) coordinated a mile-long forest hike adjacent to the Kancamagus Highway, White Mountain National Forest, followed by a picnic lunch at Otter Rocks. More than 60 New Americans participated, and there were six native languages spoken (e.g., Dari, French, Kinyarwanda, Nepali, Pashto, and Swahili). This program is a component of

HBRF's *Welcome to the Woods* initiative. It is a collaboration among the USFS, the Hubbard Brook Research Foundation, and Building Community in NH. It is made possible through a combination of private funding and a USFS Urban Connections award.

On September 18-23, thirteen representatives from Hubbard Brook attended the Long-Term Ecological Research (LTER) All Scientists' Meeting took place in Pacific Grove, California. Read about the meeting [here](#).

Announcements

The next Quarterly Project Meeting will be held on October 25. The theme is "Control Points of Change." Please complete this [survey](#) by October 17 if you will be attending the meeting.

Please see the following announcement from Lindsey Rustad:

"Dear Hubbard Brook Colleagues,

It is with a combination of sadness and excitement that I am writing to announce that, as of Monday, October 3 and after 15 wonderful years, i) I am stepping down as Team Leader for the Hubbard Brook Experimental Forest; ii) I am stepping up to be Acting Director of the Northeast Climate Hub (for the next year at least); and iii) John Campbell is stepping up to be the new Forest Service Hubbard Brook Team Leader!

I say this with sadness, because it has honestly been the highlight of my career to serve as Team Leader for Hubbard Brook and to work with all of you to help make Hubbard Brook the best it can be! I have always said that "it takes a village" with everyone working together, contributing in their own unique ways, and **Hubbard Brook IS a village!**

But there is a time for beginnings and endings, and I have accomplished what I set out to do (and way more!) at Hubbard Brook, and it is time – and best – to allow someone else (John) to bring his diverse set of skills and insights to the project. I think you will all agree with me that there isn't a better person to take over! John is a fantastic scientist, knows all the ins and outs, nooks and crannies, people, places and things about Hubbard Brook and has the drive, compassion and skills to be a great leader! I am excited to see where he will take the program!

I am also excited to begin my new role as Director of the Northeast Climate Hub, where I will have the opportunity to work with another stellar team to use all that I have learned here at Hubbard Brook to help our Northeast region, and indeed our nation, make the difficult transition to a climate-smart world. I can think of no other task that would pry me away from Hubbard Brook!

Although I will be focused on the Climate Hub, ***you are not rid of me yet***, as the Forest Service Leadership accepted my request to continue my research program at Hubbard Brook as a component of my job-related duties. I look forward to being just a scientist on the committee of scientists!

Thanks to all of you for making these fifteen years such a great success!

Warm regards,
Lindsey Rustad"

Hubbard Brook Data Report

For questions about Hubbard Brook data, please contact:

nina.lany@usda.gov – for questions about data collected by the US Forest Service

mary.martin@unh.edu – for questions, instructions, and assistance in submitting your data to the repository.

Updated Datasets:

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest: 15-minute Precipitation Measurements, 2011 - present ver 5. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/4d204213a14d094588c951e11464200c>

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest: Daily Precipitation Rain Gage Measurements, 1956 - present ver 18.

Environmental Data

Initiative. <https://doi.org/10.6073/pasta/aed7e68772106753f3c7deef4f75e09c>

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest: 15-minute Precipitation by Watershed, 2017 - present ver 1. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/56e5a47eae3ec0066438e7584fd35bee>

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest: Total Daily Precipitation by Watershed, 1956 - present ver 15. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/035fa2092f63d7936d6b8df465b5db65>

Thanks for reading!