

## HUBBARD BROOK MONTHLY September 2021 issue

### Recent Publications

Weathers, K. C., D. L. Strayer and G. E. Likens. 2021. 2nd Ed. *Fundamentals of Ecosystem Science*. Academic Press/Elsevier. 344pp.

Harms, T. K., P. M. Groffman, L. Aluwihare, C. Craft, W. R. Wieder, S. E. Hobbie, S. G. Baer, J. M. Blair, S. Frey, C. K. Remucal, J. A. Rudgers, S. L. Collins. 2021. Patterns and trends of organic matter processing and transport: Insights from the US long-term ecological research network. *Climate Change Ecology*.  
<https://doi.org/10.1016/j.ecochg.2021.100025>.

If your publication is missing from this list, please let us know:  
[scielinks@hubbardbrookfoundation.org](mailto:scielinks@hubbardbrookfoundation.org)

### Hubbard Brook in the News

The root of the matter  
by Tim McKay  
[The North Star Monthly](#)

New Hampshire needs a national clean energy standard and more  
Op Ed by Young Voices of Science alum Eva Legge  
[Union Leader](#)

John Deitsch's (Cornell '22 undergraduate) research was featured in the [Rochester Academy of Sciences eNewsletter this month](#).

### Outreach and Education Update

Raisa Kochmaruk completed her mural in the stairwell of Hubbard Brook's Robert S. Pierce Ecosystem Laboratory (aka Headquarters) at the end of September. Read Raisa's reflections on the mural and see photographs of the artwork on her website [Mondielle.com](#).

John Campbell, Sarah Garlick, Anthea Lavalley, and Bill McDowell participated in a live science briefing with NH Congressman Chris Pappas on Friday, September 3, organized by the Hubbard Brook Research Foundation and featuring presentations by John and Bill.

Peter Groffman, Pamela Templer, Lindsey Rustad, and Sarah Garlick participated in a series of online workshops in August and September called "Conversations with Ecologists." The workshops were organized by Jean Zion, Loviena Motilal, and Say Sanchez, three undergraduate research fellows from the City University of New York, mentored by Andrew Reinmann.

Sara Kaiser gave a guest lecture "Hubbard Brook Experimental Forest: An entry point into field ornithology" to a Principles of Ecology class at the Cambridge School of Weston, Wilderness Program, MA in advance of their in-person tour at Hubbard Brook with Brendan Leonardi.

### Save the Date

**The Road to COP26** event, hosted by the Hubbard Brook Research Foundation and partners, will be held Tuesday, October 19th from 4pm to 7pm. The event will provide a preview of the climate negotiations at COP26, highlight what occurs outside of the negotiation rooms, showcase COP26 key themes, and what you can do to join the global climate movement before, during, and after COP26. Sign up for more details [here via the League of Conservation Voters](#). Event participants include Steven Hamburg, Pamela

Templer, Anthea Lavalley, Sarah Garlick, and Hubbard Brook student panelists.

The next Hubbard Brook Quarterly Project Meeting is scheduled for **Monday, October 25, 2021**, from 10am to 2pm via Zoom. The topic of the meeting is "Evolutionary Biology Research at Hubbard Brook."

### Shout-outs!

**Anthea Lavalley** gives a shout out to **Amey Bailey, Scott Bailey, John Campbell, Mark Green**, and **Nina Lany** for working quickly to provide customized, up-to-date precipitation and streamflow information to Congresswoman Annie Kuster's team to support informed decision-making related to water use. Thank you for taking the opportunity and the time to provide a rapid and relevant scientific response for real-world problem-solving!

### Announcements

**Call for photos!** The Hubbard Brook Research Foundation is working on its annual report and we need photos from this year! Photos can be of people, plants, animals — anything under the HB sun. [Please upload photos to this online folder](#) and include the photographer's name and email address in the file name. Thank you!

**Hubbard Brook Reads Braiding Sweetgrass.** Please [fill out this poll by the end of today](#) to vote for your time for a 1.5-hour virtual discussion of the book *Braiding Sweetgrass* by Dr. Robin Wall Kimmerer. This event is hosted by the DEIA-R subcommittee on Indigenous Knowledge and Networks.

**NSRC Request for Proposals announced.** The new [Request for Proposals for the Northeastern States Research Cooperative](#) was released on September 27. Pre-proposals are due on October 27 and full proposals are due January 18.

### Hubbard Brook Data Report

The following datasets are published in the Environmental Data Initiative Repository (EDI) for the first time. Note that the Watershed 5 grid maps, which are available on [hubbardbrook.org](#), are now in an EDI dataset. This makes it possible for other datasets or material to link to the full W5 Baseline dataset, or directly to a map or table within that dataset. Keep an eye on the Hubbard Brook Monthly data reports – in addition to new data, we'll be announcing the restructuring of several long-term datasets to make them easier to access and use in your work.

For questions about Hubbard Brook data, please contact:

[nina.lany@usda.gov](mailto:nina.lany@usda.gov) – for questions about data collected by the US Forest Service  
[mary.martin@unh.edu](mailto:mary.martin@unh.edu) – for questions and instructions on submitting your data to the repository.

- Groffman, P.M. and L.D. Martel. 2021. Hubbard Brook Experimental Forest: Soil-atmosphere fluxes of carbon dioxide, nitrous oxide and methane on snow removal plots ver 1. Environmental Data Initiative.  
<https://doi.org/10.6073/pasta/ec3b6c690dbdc4d4048fd624d876a250> (Accessed 2021-09-30).
- Scanlon, T.M., H. Epstein, M.A. Vadeboncoeur, L. Wang, D.L. Druckenbrod, H. Asbjornsen, M. Lanning, and J. Malcomb. 2021. Carbon Isotope and Ring Width Measurements from Tree Rings of Selected Canopy Species at Six Sites in the Eastern United States ver 1. Environmental Data Initiative.  
<https://doi.org/10.6073/pasta/58a8946d3124630a6676d37068a74ef5> (Accessed 2021-09-30).
- Fahey, T.J., R.D. Yanai, S. Li, and T. Mann. 2021. Multiple Element Limitation in Northern Hardwood Experiment (MELNHE): Soil respiration at Hubbard Brook Experimental Forest, Bartlett Experimental Forest and Jeffers Brook, central NH USA, 2008 - present ver 2. Environmental Data Initiative.  
<https://doi.org/10.6073/pasta/eb37cd72ccaa3e9197c461f0c1c734eb> (Accessed

2021-10-04).

- Johnson, C.E. 2021. Physical and chemical properties of soils on Watershed 5 of Hubbard Brook Experimental Forest, before and after whole-tree harvest ver 1. Environmental Data Initiative.  
<https://doi.org/10.6073/pasta/b79c526bfde16d42cf933e64dd870039> (Accessed 2021-10-04).
- Hubbard Brook Ecosystem Study and USDA Forest Service, Northern Research Station. 2021. Hubbard Brook Experimental Forest: Baseline maps and description of Watershed 5 treatment ver 1. Environmental Data Initiative.  
<https://doi.org/10.6073/pasta/eba726010f8196c8f06e6de5ec5a699c> (Accessed 2021-10-04).

Thanks for reading!