

HUBBARD BROOK MONTHLY November 2022 issue

Recent Publications

Yanai, RD, AR Young, JC Campbell, JA Westfall, C Barnett, GA Dillion, MB Green, CW Woodall. 2022. Measurement uncertainty in a national forest inventory: results from the Northern Region of the USA. Canadian Journal of Forest Research.

<https://doi.org/10.1139/cjfr-2022-0062>

Hubbard Brook in the News

Artists and scientists collaborate on new exhibit at the Museum of the White Mountains

[Conway Daily Sun](#)

Outreach and Education Update

The Cornell Lab of Ornithology's Hubbard Brook Field Ornithology Program released a new video this month about their program. Check it out here and share it widely! <https://vimeo.com/773949450/85ab2082ab>

On November 19, Lindsey Rustad gave a virtual talk titled "The Confluence of Science, Art, and Music at Ecological Field Stations," using WaterViz as a case study to open a discussion on art-science integration.

Artwork from Hubbard Brook-affiliated artists will be on display at the Museum of the White Mountains in Plymouth, NH, until February 11, 2023, as part of the [Field Station Exhibit](#). Admission is free.

An update on tours, from Brendan Leonardi: "As the sun now sets in the early afternoons and we look ahead, hoping for cold temps and snow, the 2022 tour season at the Hubbard Brook Experimental Forest has officially come to a close! November brought four tours early in the month, each filled with great discussions about changing seasonality, winter climate change, soil warming, snowpack and snow scales. We hosted groups from Plymouth State University, Worcester Polytechnic Institute (WPI), [Vital Communities](#) of the Upper Valley, and a visiting professor of landscape ecology from Germany. Tour season at Hubbard Brook will begin again in May 2023, as our trees begin to wake up for another growing season." To schedule tours for the 2023 season, please reach out to bleonardi@hubbardbrookfoundation.org

Education and outreach staff from the Hubbard Brook Research Foundation and USDA Forest Service at Hubbard Brook met this month with educators from the Appalachian Mountain Club and the Mt. Washington Observatory to coordinate ecology and climate-related K-12 education efforts in the White Mountains. Please email educator@hubbardbrookfoundation.org if you would like to learn more.

Announcements

The Switzer Foundation is now accepting applications for 2023 Switzer Fellowships from "top graduate students in New England and California who demonstrate outstanding leadership potential, and who are committed to a career in environmental improvement." The deadline to apply is January 9, 2023. Learn more [here](#).

Are you interested in an interactive web-app built to help visualize or analyze your data? Virginia Tech students are looking for projects! If you have a dataset that you would like to make more accessible to others via an interactive app, please contact jpgannon@vt.edu.

Hubbard Brook Data Report

The Environmental Data Initiative Repository (EDI) has launched a new website with lots

of great resources for data publishers. Two items that will be of particular interest to Hubbard Brook researchers are 1) guidance on the design of a data package for repository submission (<https://edirepository.org/resources/designing-a-data-package>) and 2) data table organization and quality control (<https://edirepository.org/resources/cleaning-data-and-quality-control>). You'll find great tips on the EDI site, and throughout the data collection process you can also reach out to the Hubbard Brook Information Manager for guidance (mary.martin@unh.edu).

New and updated datasets:

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest (USDA Forest Service): Vapor Pressure Measurements, 1966 - present ver 9. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/b37a6b997904f6ad60e8594280effc09>
(Accessed 2022-12-01).

USDA Forest Service, Northern Research Station. 2022. Hubbard Brook Experimental Forest: 15 Minute Relative Humidity Measurements, 2011 – present ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/7dbeafb02017fff0286d1dfdb4c2b102>
(Accessed 2022-12-01).

Zammarilli, M.B., M.P. Ayres, R.T. Holmes, and N.L. Rodenhouse. 2022. Long-term trends in abundance of Lepidoptera larvae at Hubbard Brook Experimental Forest and three additional northern hardwood forest sites, 1986-2021 ver 9. Environmental Data Initiative. <https://doi.org/10.6073/pasta/233e2a2503582c7943ee489fa7b4b4de>
(Accessed 2022-12-01).

Fahey, T.J. and N. Cleavitt. 2022. Fine Litterfall Data at the Hubbard Brook Experimental Forest, 1992 - present ver 8. Environmental Data Initiative. <https://doi.org/10.6073/pasta/eb7ebbd80a314f8f91feab35a57dbb0>
(Accessed 2022-12-01).

Zukswert, J., K. Gonzales, S. Hong, C. See, B. Quintero, and R.D. Yanai. 2022. Multiple Element Limitation in Northeast Hardwood Ecosystems (MELNHE): Fresh Litter Chemistry ver 1. Environmental Data Initiative. <https://doi.org/10.6073/pasta/eadff535e428a7c32c8d26a55fce8796>
(Accessed 2022-12-02).

Fahey, T.J. and N. Cleavitt. 2022. Coarse Litterfall Data at the Hubbard Brook Experimental Forest, 1996 - present ver 7. Environmental Data Initiative. <https://doi.org/10.6073/pasta/87ef14cc1f703c6b90ce5ed8a4f74f55>
(Accessed 2022-12-02).

Thanks for reading!