

HUBBARD BROOK MONTHLY April 2023 issue

Recent Publications

Conrad-Rooney, E, J Gewirtzman, Y Pappas, VJ Pasquarella, LR Hutyra, and PH Templer. 2023. Atmospheric wet deposition in urban and suburban sites across the United States. *Atmospheric Environment*.

<https://doi.org/10.1016/j.atmosenv.2023.119783>

Rustad, LR, MB Adams, SF Dymond, M Gregory, and CF Miniati. 2023. Perspectives on the contributions of women to the hydrologic sciences and their changing demographics at USDA Forest Service Experimental Forests and Ranges. *Journal of Hydrology*.

<https://doi.org/10.1016/j.jhydrol.2023.129469>

Hubbard Brook in the News

At famed Walden Pond, Spring is coming earlier than it did in Thoreau's day

[All About Birds](#)

Hubbard Brook Experimental Forest

[Boloji](#)

Hubbard Brook's Art-Science program celebrates 10 years

[US Forest Service](#)

Announcements

The 60th Annual Hubbard Brook Cooperators' Meeting will be held in-person on July 12-13, 2023, at the Merrill Place Conference Center at Plymouth State University. The July Quarterly Project Meeting will be held the following day (Friday, July 14, 2023) at the Hubbard Brook Experimental Forest US Forest Service Northern Research Station (the Headquarters building.) You can register for both meetings [here](#).

Hubbard Brook is looking to hire a summer worker to help organize and catalog biological samples in the Sample Archive from May/June through mid-August. The Ecological Archive Project Assistant will work on-site part-time, generally about 10-20 (or 30) hours per week or full-time. There is some flexibility in start date and duration. The position will be funded through the Cary Institute. You can read more and apply [here](#). Please share with your networks!

Attention **Artists** and **Scientists**! Hubbard Brook is supporting a cohort of ArtSci projects this summer, to include a Senior Artist (Xavier Cortada is returning to HB in May), a visiting artist (TBD) and a student artist (working with Sara Kaiser)!

If you are an Artist who wishes to join a team of scientists, or a Scientist, who wishes to collaborate with an Artist on their team, please reach out to Lindsey Rustad (lindsey.rustad@usda.gov) by May 17, 2023. A \$3000 stipend is available! Join us to combine art and science for creative problem-solving, explore data through diverse mediums, and communicate about our science through Art!

Hubbard Brook Data Report

Hubbard Brook investigators interested in remote sensing data should read NSF's recent *Dear Colleague Letter: Availability of Earth Observation Data for NSF-Funded Researchers* (<https://www.nsf.gov/pubs/2023/nsf23092/nsf23092.jsp>).

In this special opportunity, NSF-funded researchers can access data at no cost through NASA's Commercial SmallSat Data Acquisition (CSDA) Program. These commercially collected data are above and beyond those collected by NASA's Earth Observation

satellites, and include high spatial resolution data, hyperspectral data and more. On the topic of remote sensing data, the 2023 LTER Science Council meeting later this month will be focusing on spatial data. In preparation for this, LTER Information Managers have been meeting to share spatial data tools, tips, and management strategies that support researchers at our sites.

Your information manager (mary.martin@unh.edu), would like to hear from you with ideas and suggestions on how best to support your work with spatial data (GIS and remote sensing) at Hubbard Brook.

Recently added and updated datasets from Hubbard Brook are listed below.

Deitsch, J.F. and S.A. Kaiser. 2023. Data and code from Artificial light at night increases top-down pressure on caterpillars: experimental evidence from a light-naive forest - 2021-2022 ver 2. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/71525c9c724db0a21249584afca9ddb>
(Accessed 2023-05-02).

USDA Forest Service, Northern Research Station. 2023. Hubbard Brook Experimental Forest: Routine Seasonal Phenology Measurements, 1989 - present ver 13. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/cd44b1938a3abef106e11d86cfe59d76>
(Accessed 2023-05-02).

Kelsey, E., M. Green, D. Evans, and E. Wright. 2023. Hubbard Brook Experimental Forest: Flux Tower Data ver 4. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/e362f097bbac92d0cec4f94e158cf762>
(Accessed 2023-05-02).

Hubbard Brook Watershed Ecosystem Record (HBWatER). 2023. Hubbard Brook Experimental Forest: Chemistry of Mirror Lake outlet streamwater 1967 – 2021 ver 7. Environmental Data Initiative.

<https://doi.org/10.6073/pasta/e3880de9ee5b01ce8c4835008e7ea358>
(Accessed 2023-05-02).

Thanks for reading!