

Pledge Before They Fledge!

HBRF's \$20K Matching Challenge is Underway



Hubbard Brook is home to one of the longest migratory bird studies in the world, and black-throated blue warblers have been a research focus for decades.

This spring, an anonymous donor will match qualifying gifts received before June 15, when the first black-throated blue warblers are expected to fledge.

Make a Qualifying Gift Today

Increase your 2021 spring gift, and it will be matched, dollar-for-dollar, up to a total of \$20K.

For example, if you gave \$100 last spring, your 2022 spring gift of \$101+ [counts](#).

If you skipped a spring gift last year, your contribution this spring in any amount [counts](#).

If you can't remember what/if you gave last spring, [email us](#).



The black-throated blue warblers are expected to arrive at Hubbard Brook next week, but we have a long way to go to unlock the full potential of this challenge!

So far, we've raised \$4,000 this spring. Help us to achieve our \$20,000 matching challenge by making your gift today.

DONATE TODAY

Left photo: 2021 black-throated blue warbler fledgling by John Deitsch; Right photo: Dr. Sara Kaiser, Director, Hubbard Brook Field Ornithology Program, Cornell Lab of Ornithology by Ben Silberfarb

Outreach Highlight

Join Us This Monday for a Live Event!

Virtual Youth Forum on Climate-Smart Infrastructure

A conversation about building sustainable, affordable, equitable housing using regionally-sourced climate-smart wood products and clean energy technology

- May 2, 2022
- 12 - 1 p.m.
- Sign up at www.emergingclimateleaders.org



New federal funding for infrastructure creates the potential to invest in climate- and energy-smart construction that meets our housing demand, boosts our forest-based economy, and protects our climate — all at the same time! Join us for a special conversation at the intersection of climate, forests, and housing, focused on building sustainable, affordable, equitable housing using regionally-sourced climate-smart wood products and cutting-edge clean energy technology.

Monday, May 2, 2022, 12:00 - 1:00 pm eastern, via Zoom.

This event is hosted by the Emerging Climate Leaders Collaborative (ECLC), a partnership of the Hubbard Brook Research Foundation; League of Conservation Voters; Revers Center for Energy, Sustainability, and Innovation at the Tuck School of Business at Dartmouth College; and Sustainable Futures Consulting.

REGISTER NOW

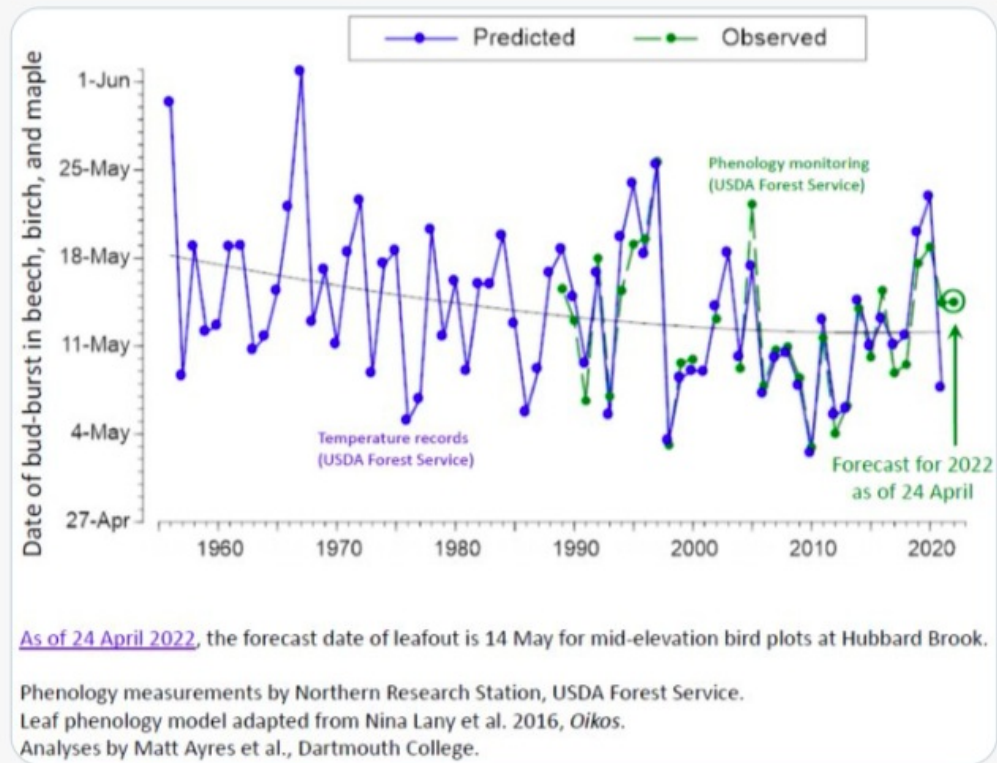
The Forecast for Spring's Unfolding Predicting Leaf-Out at Hubbard Brook



Matt Ayres @MattAyres3 · Apr 24

...

Good news if you are not yet ready for spring. The leaf-out forecast for @HubbardBrookNH has slid back by ANOTHER 2 days. From @usfs_nrs, @USDA_NR6, and the 10-day forecast, leafout at 500 m is forecast for 14 May and arrival of BTBW for 13 May (Lany et al 2016, @USLTER)



Dartmouth Professor of Biology and Hubbard Brook Investigator, Matt Ayres, and his team are predicting leaf-out dates at Hubbard Brook, based on long-term temperature and phenology records.

Visit Matt's Twitter page for a running update of model-based predictions for 2022.

[@MattAyres3](#)



Illustration by Raisa Kochmaruk

Shifting Ice-Out Trends



From left: 2021 ice-in at Mirror Lake by Gabe Winant, Tammy Wooster by Joe Klementovich, and 2022 ice-out by Tammy Wooster

Hubbard Brook technician, Tammy Wooster, from the Cary Institute of Ecosystem Studies, has been documenting the dates of ice-in and ice-out at Mirror Lake for more than two decades. To do this, Tammy applies protocols established in 1968 by Hubbard Brook Ecosystem Study Co-Founders, Dr. Gene E. Likens and Dr. Noye Johnson. The Mirror Lake record began as part of an effort to study the heat budgets of lakes, and the ongoing observations have created a valuable long-term dataset. Year after year, scientists and technicians at Hubbard Brook keep a close eye on the lake throughout the winter months. The record shows that variability in ice-in and ice-out dates has been increasing since 1996. Tammy's most surprising observation was the unusual sequence of freezing, thawing, and refreezing events in the winter of 2018-19, featured in [this paper](#) published by Dr. Likens in 2019. Tammy expects to see increasing variability in the years to come, as well as earlier ice-out dates in a warming climate.

In Case You Missed It Media Coverage of Lindsey Rustad's IF/THEN Ambassadorship

Windham woman honored in national STEM exhibit



Hubbard Brook's Team Leader from the U.S. Forest Service, Dr. Lindsey Rustad, was honored in Washington D.C. during Women's History Month as part of the [IF/THEN National Exhibit](#), featuring 120 3-D-printed statues of women in STEM careers.

Research has shown that girls often lose interest in STEM during middle school due to lack of visible role models. The assemblage of IF/THEN statues and the collected wisdom they represent are an inspiration for girls of all ages!

[WATCH VIDEO](#)

Policy and Diplomacy Highlight Science Outreach to the British Consulate

Forest and
Climate **Science**
Briefing



On Thursday March 24, HBRF organized a science outreach event in collaboration with

the British Consulate-Boston. During this virtual event, Hubbard Brook researchers presented science related to long-term trends in climate and forest responses, climate experiments, and nature-based solutions. The audience included Climate and Energy Officers at UK diplomatic posts, UK Science and Innovation Officers, and Diplomatic staff working on COP26.

Our goals were to connect Hubbard Brook science and scientists to the [COP26 declaration on forests and land use](#), under the COP26 UK Presidency, and to build diplomatic relationships around climate science, nature-based solutions, and forest health.

Speakers included Dr. John Campbell, Dr. William Keeton, Dr. Lindsey Rustad, Dr. Pamela Templer, and HBRF Executive Director, Anthea Lavallee.

Summer Opportunity

Hubbard Brook is Hiring a Community Relations Assistant

In this new, site-based role, the Community Relations Assistant will help to build a vibrant, inclusive, and creative workplace culture, in which all participants have a voice and are empowered to effect positive change. Responsibilities will include contributing to pre-field season orientations, organizing activities for the spring/summer research community, and coordinating DEI initiatives. If you're community-minded and curious about science, we encourage you to apply for this exciting new position through the Cary Institute of Ecosystem Studies!

[LEARN MORE & APPLY](#)

As always, thanks for your interest in Hubbard Brook. Please feel free to contact us with any questions, ideas, or suggestions, and help us to spread the word by forwarding this email to a friend.

[VISIT OUR WEBSITE](#)

[JOIN OUR MAILING LIST](#)

Corporate and Non-profit Sponsors

Chester Forest Products

The Lyme Timber Company

Chroma Technology Corp.

New England Forest Products

Durgin & Crowell Lumber Co., Inc.

New Hampshire Timberland Owners
Association

FORECO LLC

New Hampshire Sustainable Forestry
Initiative

King Forest Industries

Law Offices of Joyce E. Scott

Northland Forest Products

Loveland Forestry

Schiffman, Dattilio & Company, P.C.

HBRF Trustees

Charles Driscoll, Chair
Syracuse University

Stan Williams, Vice Chair

John Smitka, Secretary

Michael Shoob, Treasurer

Deecie Denison

Tyler Edwards
Duke University

Peter Groffman
City University of New York
Advanced Science Research Center at the
Graduate Center
Brooklyn College Department of Earth and
Environmental Sciences
Cary Institute of Ecosystem Studies

Dorothy B. Heinrichs
Dartmouth-Hitchcock

Ali Jackson
Sciencenter

Roger Larochelle
Squam Lakes Conservation Society

Gene E. Likens
Cary Institute of Ecosystem Studies
University of Connecticut, Storrs

Peter Martin

Nicholas Rodenhouse
Wellesley College

Anant Sundaram
Tuck School of Business at
Dartmouth College

Pamela Templer
Boston University

Harriet Van Vleck

Lindsey Rustad
Advisor
USDA Forest Service

Anthea Lavallee
HBRF Executive Director

The Hubbard Brook Research Foundation is a nonprofit organization dedicated to supporting the Hubbard Brook Ecosystem Study.

