



## Letter from the Director

Dear Friends,

Across the U.S. and around the world, there is a growing awareness of the causes and consequences of climate change and a growing appetite for informed solutions. Hubbard Brook has world-class science to share and effective mechanisms for engaging decision-makers.

**With the key ingredients in place, including your support, we can put science to work for smart environmental policy and practice now.**

You are an essential partner in this work. Your generosity empowers us to achieve our mission and goals. Please join me in giving what you can this year.

Sincerely grateful,

Anthea Lavallee  
Executive Director



**DONATE TODAY**

**Each and every gift  
makes a difference!**

HBRF's annual impact report arrived in mailboxes just after the Thanksgiving holiday. It tells the story of Hubbard Brook through the people who bring our work to life, including scientists, students, educators, communicators, trustees, staff, and supporters. If you're not on our mailing list and would like a copy, [click here](#) to request one. To read a digital version, click the image to the left. We are grateful for your interest and hope you'll share the report with curious family, friends, and colleagues!



## Outreach Highlight

### TV show asks: *What kind of experiments are taking place in the forest?*

On October 9th, CBS series *Mission Unstoppable* featured Hubbard Brook in an episode titled *What kind of experiments are taking place in the forest?!*



Hubbard Brook research was recently featured in the CBS Saturday morning show [\*Mission Unstoppable\*](#). *Mission Unstoppable* is a weekly series, executive-produced by Gina Davis and Miranda Cosgrove, showcasing women on the cutting-edge of science. The four-minute episode spotlights USDA Forest Service Team Leader, Dr. Lindsey Rustad, and the science of climate change, stream ecology, and some of the major experiments taking place at Hubbard Brook. Lindsey connected with *Mission Unstoppable* through her ambassadorship for the American Association for the Advancement of Science's IF/THEN initiative, which recognizes women in science, technology, engineering, and math (STEM) and spreads awareness of STEM careers to middle school girls and young women. Check out the full episode below and also a [recently-released candid interview](#) on the video-streaming platform, Twitch.

*Photo by Joe Klementovich.*



## Policy Highlight

### The Road to COP26



*Dr. Pamela Templer and students, Sophie Harris and James (Jungsuk) Lee, discuss nature-based solutions at The Road to COP26 online event in October.*

This October, HBRF teamed up with the League of Conservation Voters (LCV), the Revers Center for Energy at the Tuck School of Business at Dartmouth, and Sustainable Futures Consulting to host a public virtual event about the global climate movement and COP26. High school, undergraduate, and graduate students shared their questions, concerns, and hopes with scientists, corporate leaders, policy-makers, and diplomats, including Hubbard Brook researchers, Dr. Steven Hamburg and Dr. Pamela Templer; Dr. Peter Abbott, the British Consul-General to New England; Steven Rothstein, Managing Director, Ceres Accelerator for Sustainable Capital Markets; and Robert Stowe, Co-Director of the Harvard Project on Climate Agreements.

The event was attended by more than 200 viewers and was the latest in a series of youth engagement opportunities led by HBRF and this consortium of close partners, now working together under the umbrella of *Emerging Climate Leaders Collaborative*.

## News from the Field



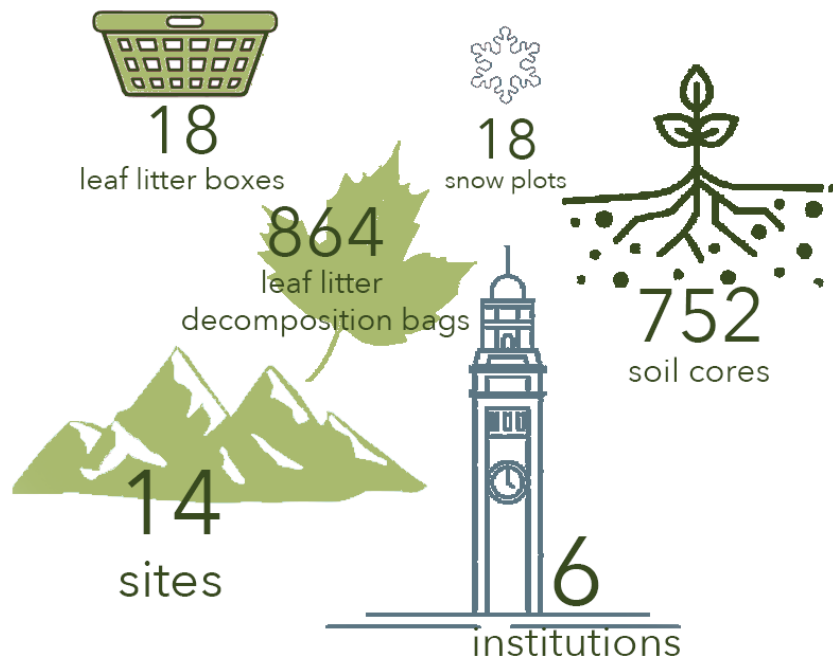
# A Sensory Season



*Photos from the field by Geoff Wilson and Brendan Leonardi from their work this fall setting up a new climate change research project at the Hubbard Brook Experimental Forest.*

“We were racing to beat the first heavy snowfall,” says Hubbard Brook field technician and science educator, Brendan Leonardi, of the string of back-to-back days spent with fellow technician, Geoff Wilson, this autumn in the Hubbard Brook Experimental Forest, installing sensors and completing initial measurements for the new Hubbard Brook Nitrogen [Oligotrophication](#) (HBNO) Project. The HBNO Project, led by Dr. Pamela Templer from Boston University and Dr. Peter Groffman from the City University of New York and the Cary Institute of Ecosystem Studies explores the effects of rising temperatures and longer growing seasons on the carbon and nitrogen dynamics of the forest. This project will advance our understanding of forest carbon storage in a changing climate and under conditions of disturbance (e.g., ice storms) and subsequent recovery. The study's ambitious monitoring plan requires a wide variety of sensors and monitoring tools and a dedicated team to maintain them at specific seasonal stages.

## HBNO Field Season by the Numbers



## In Case You Missed It Hubbard Brook Mural in Headquarters



This summer, artist Raisa Kochmaruk completed a six-by-eight-foot mural that was installed in the stairwell of the US Forest Service Headquarters building, fixed to the wall by a hanging system expertly and graciously engineered by Frank Bowles. The mural took three-and-a-half months to complete, and features a cascading brook scene inspired by Paradise Brook, a tributary of Hubbard Brook. Notable species represented in the mural include American beech, birch, hobblebush, black-throated blue warbler, red newt, turkey tail mushroom, modest sphinx moth, and perhaps a moose. Perhaps.

Read the artist's reflection, and see process photos [here](#).

This September, Raisa joined the HBRF team as our new Communications Specialist. Welcome, Raisa!

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.

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

