

Permit 2025-006

Name:

Hanna Makowski

Department or Organization:

Black Rock Forest/ University of Virginia

Email Address:

hmakowski@blackrockforest.org

Are you requesting renewal of a previously approved permit applicaton?

No

Type of activities at The University of Akron Field Station and Bath Nature Preserve

Research

Title of project or class name and course number:

Sugar maple population genetic structure

Date/Dates requested:

June 6th-7th 2025

Number of people in group:

1

I am requesting permission to use a Research Area.

Yes

I am requesting permission to use a Sensitive Area.

No

I am requesting permission to use areas outside of the designated Research or Sensitive Areas.

No

I would like to use the Martin Center for Field Studies and Environmental Education for this prop...

No

Will the activity involve destructive sampling/collecting?

Yes

Which Research Areas?

18 Acres

Beefy's Woods

South Woods

Please explain how the material will be collected (including equipment), and an estimate of how m...

I will collect 3-5 leaves per sugar maple (approximately 10 per area) using a pole trimmer

Provide a brief description of (1) your proposed activities, (2) goals, and (3) impacts of your u...

Understanding population genetic structure and mapping genetic associations to the environment is essential for conservation. The goal of this research is to determine population genetic structure of sugar maples (*Acer saccharum*) across their native range. I will use the field station and bath nature Preserve as collection sites and use the DNA data in a model to map post-glacial expansion routes and conduct genome x environment association analyses.

By checking this box, I agree to the above terms and state that all of the above information is c...

I agree