

Permit 2025-015:

Name:

Chelsea Miller

Department or Organization:

University of Akron

Email Address:

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Are you requesting renewal of a previously approved permit application?

No

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

Education

Title of project or class name and course number:

General Entomology Insect Biodiversity Transects

Date/Dates requested:

1 September - 1 November 2025

Number of people in group:

16

I am requesting permission to use a Research Area.

Yes

I am requesting permission to use a Sensitive Area.

Yes

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

Yes

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

Yes

Will the activity involve destructive sampling/collecting?

Yes

Which Research Areas?

18 Acres

Beefy's Woods

Garden Pond

Grandview Alley

Round Top

South Woods

Which Sensitive Areas?

Bath Pond

Garden Bowl

North Fork

Tamarack Bog / Wetland

Which areas outside of the designated Research or Sensitive Areas?

Public Access areas of Bath Nature Preserve

Steiner's Woods

Panzner Wetlands

Please indicate any preparation or set-up you will need in the Martin Center for Field Studies an...

We will be setting up 15 semi-permanent (1 Sept - 1 Nov) transects for repeated sampling of insect biodiversity in 5 sites at BNP (Tamarack bog, mowed meadow, unmowed meadow, upland forest near trail, upland forest away from trail). Transects will be 60 m in length and will be marked at 0, 30 and 60 m using 2 foot wooden stakes with pink flagging tied to the top. The stakes will be labeled "Entomology". We will drive the stakes in using a mallet during the weeks of Sept. 1 and Sept. 8. 2025. Stakes will be removed by the end of the sampling period, no later than 1 Nov. 2025.

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

We will be doing observational sampling of the transects repeatedly during the sampling period. We will not be collecting insects or vegetative material, but will be collecting data

on habitat characteristics (temp, cloud cover, % vegetation cover, etc.). 7 pairs of students will be walking along transects for ~30 min on each of 6 sampling dates during 1 Sept - 1 Nov 2025.

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

This project will introduce General Entomology students to the concepts of ecological entomology, specifically exploring a number of questions about how insect biodiversity metrics (species richness, functional groups, and diversity) relate to different habitat conditions (habitat categories, abiotic conditions, invasive vs native plant species cover, etc.) as the fall season progresses. They will practice setting up, monitoring and collecting biodiversity data over several weeks, and will work together to collate, analyze and interpret their findings. The results of the project will be summarized in a class research paper.

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

I agree