

Permit 2023-010

Name:

Randy Mitchell

Department or Organization:

University of Akron

Email Address:

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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:

Seep vegetation patterns

Date/Dates requested:

Aug 2023-Dec 2024

Number of people in group:

2

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...

No

Will the activity involve destructive sampling/collecting?

Yes

Which Research Areas?

Beefy's Woods

South Woods

Which Sensitive Areas?

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

Very few physical collections. Several Soil cores (1"x8"), excavation of <6 sedge tussocks, some whole plants samples of sedge vegetation for identification and vouchers

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

This project is a pilot investigation of the pattern of vegetation in seep habitats in and near UAFS properties. In brief, there appears to be a positive association between *Solidago patula* (Swamp Goldenrod) and tussock sedge (*Carex bromoides*), with *Solidago* frequently occurring on top of tussocks but seldom between them. We will investigate this pattern by doing observational studies to confirm our anecdotal observations of this pattern, and by taking soil cores and other samples to compare soil characteristics, pH, water content, and other factors between tussocks and adjacent open soil. We do not anticipate any lasting or noticeable impact on the Preserve.

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

I agree