

**Permit 2017-012**

Name:

Ashley Augustynovich

Department or Organization:

The University of Akron - Biology Department

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:

Biological Problems - Leaf Hydathodes

Date/Dates requested:

06/22/2017-08/20/2017

Number of people in group:

3

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?

18 Acres

Beefy's Woods

Garden Pond

Grandview Alley  
Round Top  
South Woods

Which Sensitive Areas?  
Tamarack Bog / Wetland

Which areas outside of the designated Research or Sensitive Areas?

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

Manual collection while wearing gloves of leaves of specific species. An estimate of 4-5 leaves per species.

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

We will be collecting leaf samples for the study of specialized stomata called hydathodes. We are focusing on the localization of these hydathodes in leaf structure and how to apply this information to biomimicry research. The impact of our research will affect the specific species of plants that we collect a minimal amount of leaves from.

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