

**UAFS Permit 2016-012**

Name:

Shanon Donnelly

Department or Organization:

UA Geosciences

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:

Mapping vegetation using unmanned aerial systems

Date/Dates requested:

Fall 2016

Number of people in group:

4

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.

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?

No

Which Research Areas?

Beefy's Woods

Which Sensitive Areas?

Bath Pond  
Garden Bowl

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

1) Use UAS to map vegetation in the proposed areas. UAS is a small multirotor aircraft equipped with a multispectral camera. Some ground reference information collection either on foot or by kayak to use a GPS to collect the coordinates of sample plants.

2) Goals of the project are to develop UAS methods and to map several types of vegetation, including invasive species, for future studies of change.

3) Maps of invasive species location will provide a means for future management plans and to assess if current management plans are successful.

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

I agree