

Permit 2015-014

Name:

Rebecah E Ford

Department or Organization:

University of Akron Biology Department

Email Address:

ref31@zips.uakron.edu

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:

Field Ecology 3100_418_001_4157

Date/Dates requested:

10/30/2015 through 11/30/2015

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?

South Woods

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

Approximately 30 saplings with a diameter less than 2 inches will be cut down using a hand saw

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

In order to complete an individual research project for UA Field Ecology class, I would like to cut down approximately 30 small saplings. This will be done using a hand saw to cut a cross section which will be harvested and dried. The cross-sections will then be analyzed for age and growth. I would like to obtain approximately 15 saplings from locations with a gap in the forest canopy and 15 from locations in with no gap, all from from South Woods. The purpose of this study is to investigate the age and growth of saplings when a canopy gap is present compared to not present. My hypothesis is that saplings growing in areas where a gap in the canopy is present will be older and growing faster than those growing with no gap.

By completing this project, I hope to gain a better understanding of the age structure and gap dynamics of saplings at Bath Nature Preserve. Although collecting saplings by handsaw will be detrimental to the saplings, it is not much more damage than a deer would inflict (Rooney et al. 2003). Therefore, this collection of saplings should not be detrimental in any way to the South Woods over all and should not impact the future growth or health of the forest. For more information or any questions please feel free to contact me at ref31@zips.uakron.edu.

References

Rooney, T.P., Waller, D.M. 2003. Direct and indirect effects of white-tailed deer in forest ecosystems. *Forest Ecology and Management*, 181(1): 165-176

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