

**UAFS Permit 2016-011**

Name:

Lisa Rainsong

Department or Organization:

Cleveland Institute of Music

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:

Crickets and Katydid of the Bath Nature Preserve

Date/Dates requested:

7-15-16 - 9-15-16

Number of people in group:

1 and occasionally 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?

No

Which Research Areas?

Garden Pond

Grandview Alley

South Woods

Which Sensitive Areas?

Bath Pond

Garden Bowl

Tamarack Bog / Wetland

Which areas outside of the designated Research or Sensitive Areas?

Public Access areas of Bath Nature Preserve

Panzner Wetlands

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

I will be conducting a baseline survey of the crickets and katydids found at Bath Nature Preserve. This information will be useful not only as one of many indicators of habitat quality and diversity in 2016, but also as baseline information for subsequent comparisons in the future. For example, this survey could provide information that will help determine how quickly species move into the Garden Bowl, or how the sounds of the tamarack bog and the meadows change over time.

As a music theory professor at the Cleveland Institute of Music, I teach ear training skills as well as other music-theory related courses. I have applied these skills to identification of all the crickets and katydids found in NE Ohio and can therefore conduct surveys that must be done primarily by ear.

I have previously done surveys for the Geauga Park District's Small Research Grant Program in 2009, 2010, 2011, and 2012. I did a survey of the Holden Arboretum's Corning Lake, Bobolink Meadow, and display garden areas in 2013 and Greater Cleveland Audubon's Novak Sanctuary and Aurora Sanctuary in 2014. I studied Lake Erie Bluffs in the Lake County Metroparks in 2015. I am currently in the initial stages of consultation with the Cleveland Museum of Natural History's Natural Areas Program to co an online field guide to the Crickets and Katydid of NE Ohio on the CMNH web site.

Because crickets and katydids are far easier to hear than see and often sing only at night, I do field recordings during both afternoon and evening hours. My field recordings are combined with macro photography for additional documentation. I will not need to collect any insects or harm anything; I will only collect field recordings and photographs. Most of my work can be done along the trails.

The duration of the survey at Bath Nature Preserve would be from mid-July through mid-September, as this is the primary season for singing insects.

I do not anticipate any need for Field Station facilities other than parking.

I will consult with Dr. Randy Mitchell about the areas that would be most beneficial to study. Wetlands, meadows and edge habitat are especially useful when studying singing insects.

At the end of September, I will compile a list of all the species I have documented and where on the preserve they were found. I would be glad to share some of my photographs and recordings with the University of Akron Field Station and with Bath Township.

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

I agree