

UAFS Permit 2016-005

Name:

Gavin Svenson

Department or Organization:

Cleveland Museum of Natural History

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
Education

Title of project or class name and course number:

Insect Field Science Adult Education

Date/Dates requested:

July 30, 2016

Number of people in group:

25

I am requesting permission to use a Research Area.

No

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.

Yes

I would like to use the Martin Center for Field Studies and Environmental Education for this prop...

Yes

Will the activity involve destructive sampling/collecting?

Yes

Which areas outside of the designated Research or Sensitive Areas?

Public Access areas of Bath Nature Preserve

Steiner's Woods

Panzner Wetlands

Please indicate any preparation or set-up you will need in the Martin Center for Field Studies an...

On July 30 2016, Cleveland Museum of Natural History will be conducting a field based entomology class as part of the adult education program. The proposed activities will include short lectures on collecting methods, curation and field ethics, and followed by guided collection at Bath Nature Preserve. We will present these lectures within the Martin Center Prior to the fieldwork. We require AV equipment to connect our laptop for a powerpoint presentation (we can bring a projector if needed, please advise), classroom space for up to 20 students and 4 staff, and access to restroom facilities from 12pm to 11pm. We will provide all collecting equipment.

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

Collection methods to be demonstrated will include sweep netting, malaise trapping, yellow pan trapping, pitfall trapping, aquatic collecting using dip nets and light trapping. All methods are low environmental impact, and traps will be left out for a maximum of 8 hours. Specimens collected by hand (e.g. sweep and dip netting and at the light trap) will be monitored so that no more than 20 individuals per species are collected at the site. In general, collection and by catch will be kept to a minimum and we are unable to predict the numbers of insects that will be collected by trapping methods, however the volume of specimens will be limited to 2 malaise traps (each with 500ml collection container), 4 yellow pan traps (each with a volume of 100ml) and 4 pitfall traps (each with a volume of 250ml). Overall we estimate that between 100-1000 insect specimens will be collected using all methods, specimens will be preserved in 96% ethanol or enveloped. Once we have spent some time in the field, the final hour will be examining the specimens collected. Collection method such light trapping will mainly be observational, CMNH staff will talk about much of the diversity coming to the lights without actually collecting the specimens, only a small number of selected specimens representing the biodiversity that comes to the light trap will be collected for historical purposes.

If possible we would like to work with someone at the preserve one week in advance to set some traps prior to the education course. This way, the participants will see the entire process.

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

The goals of the adult education entomology field class is to teach participants about the local insect biodiversity, their habitats and ecology. Field methods to be demonstrated will include sweep netting, malaise trapping, yellow pan trapping, pitfall trapping, aquatic collecting using dip nets and light trapping. All collected specimens will be incorporated in to the Invertebrate Zoology Collection at CMNH to remain a historical record of the local biodiversity at Bath Nature Preserve.

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

I agree