

**Permit 2018-002**

**Response Summary:**

Name:

Eric Olson

Department or Organization:

Stewards of Historical Preservation/Department of Anthropology

Email Address:

[historicakron@gmail.com](mailto:historicakron@gmail.com)

Web Address where the public can learn more about this proposed activity (optional):

<https://historicakron.wordpress.com/>

Are you requesting renewal of a previously approved permit application?

No

Type of activities at The University of Akron Field Station and Bath Nature Preserve  
Research

Date/Dates requested:

Summer Session (May and June) 2018

Number of people in group:

5-10

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.

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

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

An archaeological investigation will be conducted in the eastern quarter of the garden, and portions of the field immediately east of the garden up to 400 meters east. The area north of the garden pond will be archaeological tested as well. Total amount of excavated soil will not exceed 25 square meters at either location. In addition to these two locations, a survey of the Panzner farm will be conducted on the

same location of the 2009 Department of Anthropology Field School, and limited field excavations may be conducted, not to exceed 10 square meters of excavated soil.

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

(1) The archaeological investigation is a proof of concept of applying metal detectors to sub-surface archaeological feature identification, which will involve the comparison of previous archaeological and geophysical survey methods and excavation of magnetic anomalies below the surface (2) the goal is to determine if this new technique can provide a cheap and timely alternative to expensive geophysical survey. A single piece of geophysical equipment can cost \$15-20,000, and that does not include the training of the operator or the time to operate the equipment effectively. Many contract archaeologists do not have the time or the money to conduct geophysical survey. As a result, most non-academic surveys either do not implement geophysics (and miss a lot of data) or hire the 3 or so archaeologists in the state that can conduct geophysics. (3) the Bath Nature Preserve provides a unique opportunity for archaeologists to test a new survey technique that has the potential to increase the amount of data collected during archaeological survey. This alternative technique can provide even amateurs with the capacity to conduct high quality, replicable, and accurate archaeological survey.

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

I agree