

## **APPROVED- Permit 2015-007**

Application for an Educational Activity Permit for The BNP

Name (Last, First, MI): Manahan, Thomas Kam

Semester and year of planned use: Fall 2015

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Class(es) or Group(s) you will take on the preserve: Archaeological Field Methods (ANTH 5/48492)

Briefly describe the activity to be conducted on the BNP.

As part of their training, students registered in Kent State University's Archaeological Field Methods class will participate in an actual archaeological investigation. The field portion of the course runs for 6 consecutive Saturdays beginning September 12. We will document the presence of archaeological remains from the site of Round Top (Archaeology area A) in and adjacent to the new Bath Community Garden and take steps to recover material that could be impacted by future use. Our plan is to focus on the plowed area, both within and around the perimeter of the garden fence. No areas currently planted will be affected by this project.

Inside the garden area, we will be careful to not disturb any of the garden plots under cultivation or inhibit access to the garden. We will use the non-invasive methods of a surface pedestrian survey (systematically walking and registering any artifacts visible on the surface) combined with a sub-surface survey using Ground Penetrating Radar (GPR) to identify any potential concentrations of archaeological remains within the garden perimeter that are present under walkways or in unplanted plots. The results of these surveys will identify any areas that are likely to contain archaeological remains. We will select up to 4 subsurface anomalies identified by GPR that are found either in pathways or in unused plots for further investigation. This work will not disturb any of the vegetable gardens. The anomalies to be investigated will be excavated in areas no greater than 2x2 meters, depending on the size of the anomaly. Any anomalies identified in plots not currently under cultivation will be prioritized so that their future cultivation will not impact the archaeological material. Once excavations have been completed, the areas will be completely backfilled and returned to their present state. The goal is to first identify any concentrations of archaeological materials within the garden and then mitigate ones that could be disturbed by future garden activity. Outside the garden fence, investigations will be limited to the plowed area around the perimeter of the fence. Visible archaeological materials

on the surface will be recorded and collected. If time permits the plowed area outside the fence will also be surveyed using the GPR.

For the community, the project will prepare a brief flyer that may be of benefit to gardeners who are interested in the archaeological remains that they may encounter in their plots. This will help them to identify whether an object is an archaeological artifact and how to report the find. The project seeks to systematically document archaeological remains at risk of being impacted by future plantings while providing the Bath community with more information about the long history of habitation in the area.

How many students per visit do you anticipate? 14

On which research areas of the preserve will your activity occur? Archaeology area A

Does your proposal involve areas that are not part of the designated research areas? No.

(if yes, this permit will require approval from the Bath Trustees this can only be sought four times a year, and so approval of your permit may take up to several months). Talk with the BNP Committee for more details.

What are the anticipated dates of your visit? (we understand this may be determined by weather- but please estimate when you will use the BNP) 6 consecutive Saturdays; September 12 – October 17, 2015

Will the activity involve any destructive sampling/collecting ? Yes  No

If so, please explain how the material will be collected (including equipment), and an estimate of how much material will be collected: Hand excavation of subsurface features and collecting of any archaeological materials recovered.

What is the potential impact of your activity on nature preserve? Minimal

Have you looked over the web sites of the other research/activities being conducted at BNP?

Yes  No

Are there any potential conflicts of your activity with others at BNP? Yes  No

Explain: \_\_\_\_\_

By requesting an education permit for work at the BNP, you must agree to the following terms:

Educators are responsible for obtaining the appropriate state or federal permits for the conduct of their activity on the BNP (e.g., when working with regulated species).

Educators are responsible for removing all markers, etc. from their research plots when the research is completed.

Educators must review all research projects being conducted at BNP and must defer to them when there is a conflict (e.g. if you want to conduct an activity in an area that is closed because of a research project, we will ask that you find another area within BNP for your activity).

These permits are good for one semester only.

Educators will file a report of usage, listing information such as: # user days on the BNP, a summary of results of the project(s), a list of data generated and contact information for those interested in the data, and a list of publications or other products resulting from the project(s).

Educators must abide by the rules and regulations of the BNP in any and all conduct of activities at the BNP.

By signing the request for a BNP education permit below, I agree to the above terms and state that all of the above information is correct to the best of my knowledge. I also agree to amend my above permit request if my activity plans change such that they are no longer well represented in the information supplied in this permit request. If I fail to notify the BNP oversight committee of significant changes in my research, or if I do not follow the rules of the BNP, I realize that the BNP oversight committee can revoke my research permit, and disallow any further work by me, research or otherwise, at the BNP.


Signature:  Date: 8/24/15

Print Name: Thomas Kam Manahan

Approval:

Bath Township: \_\_\_\_\_

Date: \_\_\_\_\_

University of Akron:  \_\_\_\_\_

Date: \_\_\_\_\_