

Application for an Educational Activity Permit for the BNP

Name (Last, First, MI): Smith, Lauren R.

Semester and year of planned use: Summer 2004

Affiliation: Muehlstein Academy for Math and Science

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Class(es) or Group(s) you will take on the preserve: Myself, U of A student Joe Bomba, along with teachers Ken Wolfe and Ella Griffith will be taking ten-twelve high school students two to three times a week to the preserve as a part of the Muehlstein Academy.

Briefly describe the activity to be conducted on the BNP. The Muehlstein academy students will be collecting macroinvertebrates using dip nets, kick nets, and hand picking. Fish will be collected using a backpack electroshocker and small seine nets. Any stream salamanders will be collected using small nets. All vertebrates will be returned to the stream at locations where captured. A low percentage of smaller fish may not survive electroshocking, but loss should be minimal. Some invertebrates that cannot be identified in the field may be taken back to the lab for identification.

How many students per visit do you anticipate? 10-12.

Where will the activities take place? Stream locations for sampling:
Several sites along the North Fork of Yellow Creek will be surveyed. One to two sites in any headwater streams on the BNP will be surveyed by the group also. Maps of the BNP do not show these smaller streams. Locations will be identified by reconnaissance and soil maps and then mapped using GPS.

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)

Tuesdays and Thursdays June through August

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: Fish, salamanders, and invertebrates which may not be readily identified in the field will be taken back to the lab for identification. If possible, the organisms will be returned, and loss of organisms is expected to be minimal.

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

While taking any living organism has an impact, any repercussions from this project should be very minor. Organisms will only be removed if absolutely necessary, and this is not anticipated to be often. There will also be minor sediment disturbance, and some fish may not survive electroshocking.

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: 05/12/2004

Print Name: Lauren Smith

Approval:

Approved by Bath Township 25 May 2004

Approved by University of Akron 18 May 2004