

APPLICATION FORM
Return completed form to: steve.keto@wmich.edu

The Review Panel established under the Governance Charter will approve, seek clarification and/or modifications, or reject proposals based on its judgement as to whether or not the proposed activities are fully consistent with the above goals and use restrictions. An appeal process is available. If your activity or project is approved, you will be expected to provide a brief report each year on the progress of your educational, research and/or restoration activities and a final report when you complete the research. These reports will be posted on the Asylum Lake website.

This application form has two main purposes. One is educational: to encourage you to consider the various dimensions of your project as they relate to the overall goals and restrictions on the use of the Preserve. The other is to help the Review Panel identify potential problems. If problems are identified, the Panel will seek to work with the proposer to resolve them in an expeditious manner.

Some of the questions included in the form may not apply to your project. Simply indicate N/A (not applicable) if that is the case. In responding to questions that do apply, a brief response with your best estimate of the actions/impacts involved will be fine. If additional information is needed, the Review Panel will ask for it.

Information on management plans/policies adopted by the Asylum Lake Policy & Management Council, other ongoing research and restoration efforts at the Preserve, and the basic documents establishing the Preserve and its governance structure are available on the Asylum Lake Web Page: www.wmich.edu/asylumlake.

Application to use Asylum Lake Preserve for Research, Restoration, Teaching, and/or other Educational Activities

Project Leaders:

Principal Investigator(s)/Instructor Steve Keto, WMU Natural Areas Manager
Jen Metz, Kalamazoo Nature Center
Kahler Schumann, WMU Office of the President

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Co-Investigator(s) and/or student researcher(s): Jenny Metz

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Project Summary and Relationship (if any) to Other Projects:

Title of Course/Project/Activity: "Outdoor in our Schoolyard", Asylum Lake Adventure Day

This project is focused primarily on:

☒ Teaching ☐ Research ☐ Other (describe)

Brief description of project/course:

*"Outside in our Schoolyard" Asylum Lake Adventure Day
150+ third grade students, and 25 educators, staff and volunteers from 4 local schools will spend a day at Asylum Lake. Students will move between four education stations taught by local educators; Pond Ecology, Leadership, Journaling, and Tree measuring.*

What part of the property do you wish to use? *Prairie, Forest 1, South Lake shore,*
What access/egress will be needed? *Bus and car parking will be at Drake Road Lot.*

Dates you expect to begin and complete your field work/activity:

May 5, 2015 8:00 am to 1:00pm

Rain day May 6, 2015

How will your project be funded?

Grants from Kalamazoo Foundation, The Getman Foundation, Support by Kalamazoo Nature Center, and WMU Natural Areas and Preserves Program.

What percentage of the necessary funding for your project is assured?

100%

Does your requested activity relate to other projects that have taken or are taking place on the Asylum Lake Preserve? (Refer to www.wmich.edu/asylumlake/research) If so, describe them and how they relate to your project.

Originally part of the "No Child Left Inside" initiative this program has been held at Asylum Lake since 2010

Will your project have any potential impacts on nearby habitats, facilities or projects? If so, please describe

Yes. We will be using dipping nets at the Lake shore to capture organisms in the water.

We will encourage each student to disperse on the site in Forest 1 to measure trees

We will encourage students to disperse off trails to find natural inspiration for journaling topics.

We will stage students, parents, volunteers and supplies along trail for lunch.

Project Support Needs, Equipment Required, and Numbers of People Involved:

Will you require support from Landscape Services, e.g., mowing a path or clearing some underbrush? If so, please describe.

YES. Official trails will need to be mowed. Two Port-a-John stations will be added at Drake and Gibbs house road Entrance. A garlic mustard compost hole will be dug and fenced and filled later in the season

Will you need to bring motorized vehicles onto the property? If so, what kind, for what purpose, and how often? Which entrances will you use? Will you need to go off of existing roads and/or paths?

YES. A Toro Workman and /or a pick up truck, will be needed to stage signs and supplies at education stations. We will enter at the Drake Road and Gibbs Farm entrance to set up and tear down stations.

What are your parking needs, if any?

4 school busses, cars with parents, volunteers, educators and chaparones.

Will you need to bring any mobile power sources onto the property? If so, describe them, their noise levels, and when, where, and how long they will be used.

NO

Will you need to bring any chemicals, solvents, or toxic materials onto the property? If so, describe them and the protective measures planned.

NO

How many people will be entering the property at once? What time of day? For how long? Which entrance will you use?

150+ students,

25+ parents, volunteers, chaparones and educators.

Educators and Vounteers arrive at 8:00am.

Students Parents and Teachers arrive at 9:00am.

Students leave by 1:00 pm tear down and clean up should be done by 2:00pm

Will they be staying on the trails or dispersing?

Trails to and from education stations. dispersing at select sites, lake, forest, field.

Will they be collecting specimens and/or taking samples?

NO, but we will be temporarily removing organisms from the lake.

What is the nature of the collection and/or sampling?

Pond ecology investigation

Have you defined the minimum and maximum number of specimens/samples necessary? If so, please describe.

We will use several buckets to hold specimens.

Will your collection/sampling leave a visible sign? If it is feasible to return specimens/samples will you do so?

No Pond sampling will have no long term effects all specimens will be returned at the end of the program. We will dig a Garlic Mustard Compost hole as in years past to dispose of invasive plants pulled by volunteers.

Project Impacts and Potential Impacts on the Preserve:

Does your research necessitate a change or disturbance of the landscape, the construction of any structures, or the installation of posts, well heads or pipes, fences, plastic covers or barriers, or markers? If so, please describe.

No permanent changes. The invasive plant compost hole will be filled after we dispose of all the plants. Signs, port-a-Johns will be removed after event.

What is the size or area and the visibility of the change, disturbance, structure, or other objects?

Compost hole: Approx 10' x20' with orange fencing.

Is the change, disturbance, structure, or object relatively permanent? (lasting 5 or more years)

NO

If the change or disturbance is temporary, will it be removed, decompose or regrow? Please describe how and by when.

YES. The compost hole will regrow with the surrounding vegetation.

Will there be a cost for the removal of the structure or object and/or restoration of the site?

YES. Landscape Services will cover this cost of labor and equipment.

Is that cost included in your proposal?

YES

Please describe how your research or educational activities help maintain and/or support the enhancement of the preserve as defined in the Protective Agreement and the Management plans adopted for the Preserve. (Refer to: [www.wmich.edu/asylumlake/Asylum Lake Management Council.htm](http://www.wmich.edu/asylumlake/AsylumLakeManagementCouncil.htm))

This annual event is an excellent way to support environmental education in local area schools and introduce many people to the great community resource that is Asylum Lake Preserve. The event brings together environmental educators, K-12 teachers, parents, third grade students, WMU students, faculty, staff, and local volunteers to get kids outside! This event has been held every Spring at Asylum Lake Preserve since 2010 and has been supported and well received by the Asylum Lake Policy and Management Council, WMU Administration, The Kalamazoo Nature Center and Kalamazoo Public Schools students and teachers.