Permit 2017-004

Response Summary:

Name:
Mark Warman

Department or Organization:
Cleveland Metroparks

Email Address:
mjw1@clevelandmetroparks.com

Web Address where the public can learn more about this proposed activity (optional):
http://crcwma.org/index.php/hydrilla-landing-page/

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
Reconnaissance

Title of project or class name and course number:
Expanded Hydrilla Detection and Control in Ohio's Lake Erie Basin

Date/Dates requested:
July - August 2017 (renewal for 2018)

Number of people in group:
4

I am requesting permission to use a Research Area.
Yes

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...
Yes

Will the activity involve destructive sampling/collecting?
No

Which Research Areas?
Garden Pond

Please indicate any preparation or set-up you will need in the Martin Center for Field Studies an...
Classroom space would be nice to have just in case but the field should be just fine. We like to turn our audience into participants.

Provide a brief description of (1) your proposed activities, (2) goals, and (3) impacts of your u...
(1) Cleveland Metroparks will expand its hydrilla detection and control efforts into the Cuyahoga River Area of Concern in 2017 and 2018, with a focus on public waterbodies. The park district provides hands-on training on aquatic invasive weed identification and survey protocols to partner organizations, communities, and individuals. We would like to sample using a small boat with electric trolling motor, perform a rake toss survey (modeled on point-intercept technique), and collect voucher specimen of aquatic plants. If hydrilla is detected, we employ a sediment core survey to determine tuber bank density. Including a training, the survey sampling should be done in less than one work day.

(2) Our goals are to:
- Determine presence/absence of Hydrilla verticillata
- Train partners on surveillance methods, identification strategies, and provide educational resources
- Collaborate with landowners to develop a management strategy if hydrilla is detected (including funding treatment)
- Add to our regional knowledge of macrophyte (aquatic plant) communities through the collection of voucher specimen (submitted to CMNH)
- Report our findings to landowner

(3) We aim to elevate attendees' knowledge of aquatic plant communities. There are two disturbance related survey techniques: The rake toss method make disturb some aquatic vegetation. The sediment cores, only taken if hydrilla vegetation is detected, disturb the sediment. Our team is very cautious against the spread of invasive species and other pests, diseases, and pathogens. We decontaminate our equipment prior to entering a property and before leaving.

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