

Permit 2018-018:

Name:

John Anand

Department or Organization:

Homeschool

Email Address:

john@anandfamily.org

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

Research

Title of project or class name and course number:

Time lapse video of North Fork of Yellow Creek and Bath Creek streams in the Fall of 2018

Date/Dates requested:

September 10, 2018 - May 15, 2019

Number of people in group:

5

I am requesting permission to use a Research Area.

No

I am requesting permission to use a Sensitive Area.

Yes

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?

No

Which Sensitive Areas?

North Fork

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

What I am planning to do is measure how water levels and flows change over time, at the Bath creek and the North fork of Yellow creek streams. This will help us study height of water levels as it corresponds to rains, any erosion activity etc. over a period of 6 months (Fall 2018).

Experiment steps

1. Working with Dr. Lara and the Yellow creek conservation group, first, I am going to explore the streams, and identify where to set up cameras.
2. I will research what cameras are best suited to take high resolution images and even short video clips, at set times, daily.
3. I will then download the pictures from the camera on a weekly basis, and check if they are taking good pictures, and properly.
4. I will research software that helps create time lapse videos from a set of pictures and identify the best software for this project
5. I will then process the images and create the time lapse video. I will also have the date and time stamps of when the pictures were taken and try and connect the rainfall data with the video.
6. I will work with Dr. Lara to draw some meaningful conclusions for my project

John Anand

6th grade, Anands Homeschool Academy

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

I agree