Permit 2019-011

Name:
  Stuart Davis

Department or Organization:
  University of Akron Biology Deparment

Email Address:
  spd34@zips.uakron.edu

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:
  How does Using a Drone (UAV) to Sample White-Tailed Deer Compare to other Sampling Methods?

Date/Dates requested:
  12/3/2019

Number of people in group:
  3

I am requesting permission to use a Research Area.
  Yes

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.
  Yes

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?
  18 Acres
  Beefy's Woods
  Garden Pond
  Grandview Alley
  Round Top
  South Woods

Which Sensitive Areas?
  Garden Bowl
  North Fork
  Tamarack Bog / Wetland

Which areas outside of the designated Research or Sensitive Areas?

Please indicate any preparation or set-up you will need in the Martin Center for Field Studies an...
  none

Provide a brief description of (1) your proposed activities, (2) goals, and (3) impacts of your u...
  Proposed Activities: I plan on walking transects and flying drones in order to count deer.

  Goal: to estimate the population of deer in Bath Nature Preserve using a variety of methods.

  Impacts of use of Bath Nature Preserve: This focus of this study will use a thermal camera mounted to an unmanned aerial vehicle (UAV) to study white-tailed deer populations in conjunction with Bath Nature Preserve and the Summit Metroparks (SMP). UAV sampling has been done before, but the accuracy or usefulness has never been compared to other commonplace methods. The impact this study wishes to have is to develop a cheap and time effiecient deer sampling method using drones.

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