

UNIVERSITY OF WISCONSIN-GREEN BAY
VERTEBRATE ANIMAL USE PROTOCOL

1. Project Title: *Mammal Survey of the UW-Green Bay Campus and Cofrin Arboretum*

2. Principal Investigators and contact information:

PI	Department and campus address	Campus phone #	Emergency phone #	Institution from which animal care certification was obtained
██████████	██████████ ██████████ ██████████ ██████████	████	██████████	████

3. Project Period: *February 13 – May 31, 2017*

4. Funding Agency Department or Unit (include grant numbers if appropriate): *NA*

5. Personnel working with animals (all personnel must be animal care certified or trained on the ethical care and use of vertebrate animals by the PI):

Name	Animal care certified?	If not certified, trained by PI?	Campus phone #	Emergency phone #
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No animals will be handled during this project

Person(s) responsible for animal husbandry:

Name	Animal care certified?	If not certified, trained by PI?	Campus phone #	Emergency phone #
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NA

6. Veterinarian to be notified when veterinary care is needed:

Name	Office address	Office phone #
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NA

7. Animals to be used:

Species	# of individuals	Source
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8. Location where animals will be housed: No animals will be held in captivity.

9. Briefly state the goal of the research.

This project will consist of a laboratory exercise in the UWGB course, Mammalogy (BIOLOGY 343). Students will use observations of mammal signs (tracks, burrows, etc.) and remote trail cameras to document the presence of species in assigned areas of the UWGB campus and Cofrin Memorial Arboretum surrounding the campus. The goal of this exercise is to help students become more familiar with the natural history and local occurrences of native Wisconsin mammal species. The students also will gain experience in the use of heat sensitive cameras in sampling wild mammals.

10. Describe all non-surgical manipulations or procedures involving the animals (e.g., drug administration, blood collection, behavioral assessment, capture, recapture, banding, diet change). Specify the drug(s), dose, and route of administration or other methods used. If more room is needed, attach statement.

Although we will not handle animals in any way, we are proposing to use small amounts of baits (commercial “suet cakes” for a variety of species and bird seeds for small rodents) to attract mammals to the camera sites. We will be using 2 types of cameras: 1) Primos Truthcam 35, a motion sensitive camera, and 2) Bushnell HD TrophyCam Agressor low-glow motion-sensitive camera. https://www.bhphotovideo.com/c/product/1116402-REG/bushnell_119775c_14mp_trphy_camera_hd.html

11. Where will these procedures be performed?

UW-Green Bay campus and Cofrin Arboretum. Cameras will be deployed overnight, then moved after 1-2 days to a different locality. They will not be left for extended periods at any locality for security reasons. The cameras will be installed (usually on a tree) and removed by the students. They are automatically triggered by motion.

12. Is there potential for discomfort or pain as a result of the procedures (eg., tumor or ascites induction, prolonged restraint, nutrient restriction, toxic or infectious agents causing illness, aversive stimulus)? *No. The animals are not affected by the cameras and continue their normal activities, usually naïve to the presence of the device. These types of cameras are used worldwide today to study and observe animals, especially nocturnal or secretive mammals.*

13. If yes, what will be done to relieve discomfort? Include drugs and dosages, point at which animal will be killed, mechanical devices, etc.
14. Is surgery to be performed on the animal(s)? *No*.
15. Will the animal(s) be allowed to recover from surgery?
16. Identify the personnel who will perform the surgery:
17. Location where the surgery will be performed:
18. Briefly describe the surgical procedures:
19. Will more than one surgery be performed on the same animal?
20. If yes, give justification:
21. Describe the anesthetic method including all drugs, dosages, routes of administration and supplementation schedules:
22. Describe the post surgical monitoring and care procedures including all drugs and dosages. Describe measures designed to alleviate postoperative pain or discomfort:
23. Describe the method of euthanasia at the conclusion of the project. Include agents, dosages, routes of administration:
24. If the project utilizes hazardous agents (e.g., infection agents, carcinogens, toxic chemicals, radioisotopes) briefly outline the procedures for handling and disposal:
25. Classification of Research Animal Use (see classification at end of document and indicate highest category applicable): *0*
26. If the project requires the use of hazardous substance, has the campus Safety & Risk Manager been contacted?
27. Additional comments:
28. If any federal or state licenses are required for either the collection or experimentation with the particular species of animal being used or for work with a particular toxic agent, then submit copies of them with this form.

Research Animal Use Classification

Category	Procedure	Example
0	No invasive procedure or intrusion into the normal life stream of animal.	Simple observation
1	Experiments which are expected to cause only minimal discomfort or none.	Injections, blood sampling, tube feeding, behavior experiment without significant restraint, etc.
2	Experiments carried out on anesthetized animals which do not recover	Removal of organs for histological, biochemical or transplant studies
3a	Experiments with painful stimulation of awake animals, which cause momentary light pain	Behavioral experiments with flight or avoidance reactions.
3b	Surgery with anesthesia from which the animal will awaken or experience the cessation of analgesia	Biopsies, implantation of chronic catheters, gonadectomy, any survival surgery, etc.
4	Experiments on awake animals of whom some can be expected to become seriously ill or be caused significant pain or distress.	Toxicity testing, production of radiation sickness, infections or tumors, nutrient restrictions, stress or shock treatments, chronic restraint, etc.
5	Painful experiment on un-anesthetized animals with or without the use of muscle paralyzing agents	Certain physiological and pharmacological experiments on the nervous system, research on pain, etc.