

United States Department of Agriculture Animal and Plant Health Inspection Service <b>ANNUAL REPORT OF RESEARCH FACILITY</b>	<b>1. Registration No.</b> 84-F-0001	<b>FORM APPROVED</b> OMB NO. 0579-0036
	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA including zip code) USDA, APHIS, WS, NWRC 4101 LaPorte Avenue Fort Collins, CO 80521 (970) 266-6000	
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)		

**FACILITY LOCATIONS (Sites)**

See Attachment 1	
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**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)**

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report)	F. Total No. of Animals (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	0	41	0	0	41
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
American Beaver	9	5	1	2	8
Mountain Beaver	1	12	0	0	12
Nutria	13	23	0	2	25

**ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**  
 (Chief Executive Officer or Legally Responsible Institutional Official)  
 I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

(b)(6),(b)(7)(c)	Name & Title of CEO or Institutional Official (type or print) (b)(6),(b)(7)(c)	Date Signed 14NOV08
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Column E Explanation – QA-1578

1. Registration Number: 84-F-0001

2. Number of animals used in this study during the reporting period: 32

Of the 32 animals in this study, only 8 were determined to have experienced more than momentary or slight pain or distress.

3. Species (common name) of animals used in study:

Mountain beaver (*Aplodontia rufa*), Townsend's vole (*Microtus townsendii*), beaver (*Castor canadensis*), and nutria (*Myocastor coypus*).

4. Explain procedure causing pain and/or distress:

Treatment with the emetic agents copper sulfate (120 mg/kg, intragastric gavage), veratrine (5 mg/kg, s.c. injection), or apomorphine (5 mg/kg, s.c.) to promote emesis.

5. Provide scientific justification why pain or distress could not be relieved. State method or means used to determine that pain and/or distress relief would interfere with test results (for Federally mandated testing, see item 6 below):

The purpose of the study is to observe the emetic response of rodents. Delivery of an antiemetic agent or other analgesic would be in direct conflict with the stated purpose of the research study which is to determine short-term behavioral responses (vomit, retch, or gag) or anatomical features (diaphragm & upper GI tract) that will provide information for the production of nausea in pest mammal species.

6. What, if any, federal regulations require this procedure? Agency: None

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