

The report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No  
0180-DOA-AN

7/7



<b>UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE</b>  <b>CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY</b> (Type or Print)	<b>3. REGISTRATION NO.</b> <b>10-F-0008</b>	<b>FORM APPROVED OMB NO. 0579-0036</b>
	<b>2. HEADQUARTERS RESEARCH FACILITY (Name/Address, as registered with USDA, include Zip Code)</b> U.S. Department of the Interior U.S. Geological Survey Biological Resources Division 12201 Sunrise Valley Drive, MS 300 Reston, Virginia 20192	

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use this form).

A. Animals Covered by the Animal Welfare Regulations  12. &/OR 13. Other (List by species)	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 these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Mountain Lion			4 (D)		4
White-footed Mouse	256 (B)	200 (B)			200
Short-tailed Shrew	5 (B)	5 (B)			5

#### ASSURANCE STATEMENTS

- 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.
- Each principal investigator has considered alternatives to painful procedures.
- 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.
- 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.

<b>CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL</b> (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>SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL</b> 	<b>NAME AND TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL</b>  (b)(6), (b)(7)(C)	<b>DATE SIGNED</b> December 8, 1999

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December 7, 1999

To: USGS Senior Staff Biologist  
Attn: Dr. David L. Trauger

From: [REDACTED] USGS-NWHC, Madison, WI

Subject: Animal Welfare Act - APHIS Annual Animal Use Report  
(justification regarding procedures producing pain or distress)

During this reporting year the 345 laboratory mice and 17 domestic ferrets were utilized in procedures producing pain and distress in which the use of anesthetic, analgetic, or tranquilizing drugs would have adversely affected the procedures or the results.

Laboratory mice were utilized for the purpose of detecting botulism toxin in research and diagnostic samples. This test relies on the visible adverse reaction of the test animal to the toxin. Mice were euthanized as soon as a positive results were confirmed. The facility utilized non animal consumptive technology whenever feasible.

Black-footed ferrets are quite sensitive and susceptible to the plague bacteria. The purpose of this research is to develop a protective vaccine for black-footed ferrets being released into the "wild" or being captive reared. Hybrid ferrets were utilized to test the efficacy of an anti-plague bacteria vaccine. The end point for the experiment is the animal developing the signs and symptoms of the disease. Animals were euthanized as soon as the signs and symptoms of an infection were observed and confirmed.

Please contact me at 608-270-2420 if you require additional information for this report.

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(b)(7)(C)

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