According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0036. The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

OMB APPROVED 0579-0036

This report is required by law (7 U.S.C. 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.

Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2019

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REGISTRATION NUMBER: 48-R-0001

Customer Number: 1494

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include 7IP Code)

Kansas State University

203 FAIRCHILD HALL, LOWER MEZZANINE

MANHATTAN, KS 66506 Telephone: (785) 532-3224

Α.	В.	C.	D. Number of animals	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	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.	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 on these animals and the reasons such drugs were not used must be attached to this report.)	TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
4 Dogs	1	12	35	0	47
5 Cats	0	18	0	0	18
6 Guinea Pigs	0	0	0	0	0
7 Hamsters	0	6	30	0	36
8 Rabbits	0	0	0	0	0
9 Non-Human Primates	0	0	0	0	0
10 Sheep	0	12	0	0	12
11 Pigs	0	73	116	0	189
12 Other Animals	0	1,204	165	0	1,369
Northern Pocket Gopher	0	7	0	0	7
Groundhog / Woodchuck	0	1	0	0	1
Vestern Harvest Mouse	0	3	0	0	3
merican Water Shrew	0	9	0	0	9
Northern Short-Tailed Shrew	0	13	0	0	13

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 provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.)) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).	
	DATE SIGNED
	26-NOV-2019

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Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2019

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REGISTRATION NUMBER: 48-R-0001

Customer Number: 1494

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with

USDA, include ZIP Code) Kansas State University

203 FAIRCHILD HALL, LOWER MEZZANINE

MANHATTAN, KS 66506 Telephone: (785) 532-3224

۸.	В.	C.	D. Number of animals	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	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.	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 on these animals and the reasons such drugs were not used must be attached to this report.)	TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Northern Flying Squirrel	0	2	0	0	2
Plains Pocket Gopher	0	4	0	0	4
White Footed Mouse	0	104	0	0	104
Eastern Chipmunk	0	7	0	0	7
American Pygmy Shrew	0	13	0	0	13
Masked Shrew	0	94	0	0	94
Virginia Opossum	0	6	0	0	6
American Red Squirrel	0	7	0	0	7
Prairie Vole	0	4	0	0	4
Meadow Vole	0	209	0	0	209
Thirteen-Lined Ground Squirrel	0	32	0	0	32
Meadow Jumping Mouse	0	44	0	0	44
Least Chipmunk	0	14	0	0	14
Eastern Woodrat	0	9	0	0	9
White-Tailed Deer	0	19	30	0	49
Ermine	0	2	0	0	2

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.
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Interagency Report Control No. 0180-DOA-AN Fiscal Year: 2019

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

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USDA, include ZIP Code) Kansas State University

203 FAIRCHILD HALL, LOWER MEZZANINE

MANHATTAN, KS 66506 Telephone: (785) 532-3224

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 on these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Hispid Cotton Rat	0	2	0	0	2
Southern Red-Backed Vole	0	110	0	0	110
Dusky Shrew	0	9	0	0	9
Western Jumping Mouse	0	10	0	0	10
Prairie Shrew	0	2	0	0	2
Plains Harvest Mouse	0	2	0	0	2
Northern Bog Lemming	0	2	0	0	2
St. Paul Island Shrew	0	27	0	0	27
Southern Short-Tailed Shrew	0	64	0	0	64
Arctic Shrew	0	23	0	0	23
Elliots Short-Tailed Shrew	0	12	0	0	12
Woodland Vole	0	2	0	0	2
Cattle / Cow / Ox / Watusi	0	32	15	0	47
Muskrat	0	118	72	0	190
Domestic Horse	0	0	18	0	18
Goat	0	12	0	0	12

ASSURANCE STATEMENTS

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Interagency Report Control No. 0180-DOA-AN

Fiscal Year: 2019

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

REGISTRATION NUMBER: 48-R-0001

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203 FAIRCHILD HALL, LOWER MEZZANINE

MANHATTAN, KS 66506 Telephone: (785) 532-3224

REPORT OF ANIMALS US	SED BY OR UNDER CONT	ROL OF RESEARCH FACILIT	Y (Attach additional sheets if I	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 on these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NUMBER OF ANIMALS (Cols. C + D + E)
Alpaca	0	10	0	0	10
Heather Vole	0	2	0	0	2
Richardson'S Ground Squirrel	0	1	0	0	1
Deer Mouse	0	136	0	0	136
Snowshoe Hare	0	1	0	0	1
Southern Bog Lemming	0	4	0	0	4
Mule Deer	0	20	30	0	50

ASSURANCE STATEMENTS

JUL 2013

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		26-NOV-2019
APHIS FORM 7023A		Page 4 of 4