According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a per it displays a valid OMB control number. The valid OMB control number for this information collection collection is estimated to average 2 hours per response, including the time for reviewing instructions, needed, and completing and reviewing the collection of information.	OMB APPROVED 0579-0036 Exp. 10/31/2018				
This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can resul and to be subject to penalties as provided for in Section 2150.	Fiscal Year 2013				
UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1. REGISTRATION NUMBER 14-R-0021				
	2. HEADQUARTERS RESEARCH FACILITY (Name, address, and registered with USDA, include ZIP Code)				
ANNUAL REPORT OF RESEARCH FACILITY	NORTHEASTERN UNIVERSITY				
(TYPE OR PRINT)	12 MUGAR LIFE SCIENCES BLDG				
	360 HUNTINGTON AVE				
	BOSTON, MA 02115				
<ol> <li>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.)</li> </ol>					

FACILITY LOCATIONS (Sites)

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)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	608	360	0	968
8. Rabbits	0	0	2	0	2
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	2 				
13. Other Animals	0	395	37	0	432

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.

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 3.) 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.

## 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).

SIGNATURE OF C.E.O. OR I.O.

(6), (b)(7)(c)

NAME AND TITLE OF C.E.O. OR I.O. (Type or Print)

DATE SIGNED 12-DEC-2013

JUL 2013

unless it displays a valid OM	rage 2 hours per response, in	OMB control number for this in cluding the time for reviewing	formation colle	ection is 0579-0036.	The time require	collection of information ed to complete this information ering and maintaining the data	OMB APPROVED 0579-0036
This report is required by law and to be subject to penalties			ons can result	t in an order to cease	e and desist	Interagency Report Control No. 0180-DOA-AN	Fiscal Year 2013
UNITED STATES DEPARTMENT OF AGRICULTURE 1. REGISTRATION NUMBER ANIMAL AND PLANT HEALTH INSPECTION SERVICE 14-R-0021							
CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)			<ul> <li>2. HEADQUARTERS RESEARCH FACILITY (Name, address, and telephone number as registered with USDA, include ZIP Code)</li> <li>NORTHEASTERN UNIVERSITY</li> <li>12 MUGAR LIFE SCIENCES BLDG</li> <li>360 HUNTINGTON AVE</li> <li>BOSTON, MA 02115</li> </ul>				
	D BY OR UNDER CONTROL					·	
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.	which e teachin surgery conduc accomp or distr animals which a anesthe	r of animals upon experiments, gr, research, r, or tests were ted involving poanying pain ess to the s and for appropriate etic, analgesic, or lizing drugs were	experime were com pain or di which the analgesic adversely or interpri experime of the pro on these	f animals upon which teaching, nts, research, surgery, or tests ducted involving accompanying stress to the animals and for use of appropriate anesthetic, , or tranquilizing drugs would have affected the procedures, results, etation of the teaching, research, nts, surgery, or tests. (An explana cedures producing pain or distres animals and the reasons such dru, used must be attached to this rep	tion s gs
VOLES	0	395		37		0	432
ASSURANCE STATEMENTS	S						1

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.

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).							
(6), (b)(7)(c)				DATE SIGNED			
				12-DEC-2013			