

This report is required by law (7 USC 21 43) 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

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	1. CERTIFICATE NO: 74-R-0108 CUSTOMER NO: 1480	FORM APPROVED OMB NO. 0579-0090
	2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. Include Zip Code) TEXAS TECH UNIVERSITY AOB Box 43182 LUBBOCK, TX 79409 (806) 742-5722 ext. 286	
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 Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary of 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 procedure, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedure 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)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			10		10
9. Non-Human Primates					
10. Sheep					
11. Pigs		6	5		11
12. Other Farm Animals					
13. Other Animals					
Deer Mice	41				
Wild Mice		767	205		972
Vets			41		41

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, 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 the 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 of Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
(b)(6),(b)(7)(c)	(b)(6),(b)(7)(c)	11/6/2008

API 2008-01-22 (Oct 08), which is obsolete)

PART 1 - HEADQUARTERS

NOV 12 2008 ✓

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
74-R-0108

FORM APPROVED
OMB NO. 0679-0086

**CONTINUATION SHEET FOR ANNUAL REPORT
OF RESEARCH FACILITY**
(TYPE OR PRINT)

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

TEXAS TECH UNIVERSITY
ACS Box 49192
LUBBOCK, TX 79490
(806) 742-3722 ext. 296

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 procedure, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedure 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)
Armadillo					
Bats		600	247		847
Coyotes					
Fox		25			25
Gophers			1		1
Squirrel			3		3
Opossum		22	2		24
Prairie Dogs					
Raccoons		5	4		9
Wild Rats		285	54		339
Shrews			13		13
Skunk			1		1
Porcupine			2		2
Birds					
Fish				102	102
Frogs/Toads					
Nutria		4			4
Deer		47			47
Crocodiles		124			124

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 the 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.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer of Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2149)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED
11/6/2008

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

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

AP

(Replace VS FORM 10-02 (Oct 05), which is obsolete)

PART 1 - HEADQUARTERS

NOV 12 2008 ✓

Column E Explanation
2008 Texas Tech University

1. Registration Number: 74-R-0108

2. Number 102 Fish

3. Species (common name) Red snapper

4. Explain the procedure producing pain and/or distress.

This study examined the effects of rapid decompression on fish behavior and survival. The decompression experience is a model for fish caught at depth in the ocean and brought to the surface during normal fishing activities, during which they experience rapid decompression (which is assumed to be stressful) before they are discarded at sea due to size regulations. In our procedure, fish are placed in a hyperbaric chamber to simulate the rapid decompression they experience during standard recreational and commercial fishing activities. Physiological and behavioral responses before and after decompression are recorded and blood is drawn to measure stress responses.

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

Management of fishery resources requires that fish behavior after decompression relative to normal activities such as prey capture and predator avoidance be understood to get a measure of survival after decompression and discarding due to regulations. The relative stress that fish experience by being decompressed from different depths (different levels of pressure) was examined. The end-point was measurement of a blood stress hormone and anatomical and behavioral signs of stress. Use of analgesics after decompression in the field would result in fish being more likely to be predated upon, thus making pain relief deadly for the fish. Also, it is uncertain which methods of pain or distress relief might be effective for this model. Use of analgesics after decompression in the lab would alter fish behavior, negating any results found in the experiment.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

None.

Agency _____ CFR _____

NOV 12 2008 ✓