


UC SANTA BARBARA

Institutional Animal Care and Use Committee

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<https://www.research.ucsb.edu/compliance/animal-subjects/>

November 13, 2020

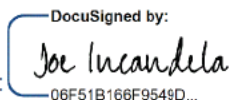
Prof. Joseph Incandela
Vice Chancellor for Research

Re: Spring 2020 Semiannual Program Review and Facility Inspections

Attached is the Institutional Animal Care and Use Committee's final report for the Spring 2020 Semiannual Program Review and Facility Inspections, which was reviewed and approved by the Committee on November 13, 2020. Due to the ongoing COVID-19 pandemic, the IACUC did not inspect a majority of the facilities that needed to be inspected during this cycle. Permission to postpone the semiannual facility inspections was granted by the USDA-APHIS and the OLAW on April 1, 2020 and April 16, 2020, respectively. There were no significant deficiencies associated with the Spring 2020 Program Review or Facility Inspections. Please contact the IACUC Office if there are any questions regarding the final report.

On Behalf of the Committee,



Reviewed by: 
06F51B166F9549D...

Prof. Joseph Incandela
Vice Chancellor for Research

Date: 11/30/2020

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Institutional Animal Care and Use Committee

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DATE: November 13, 2020
TO: Prof. Joseph Incandela
Vice Chancellor for Research
FROM: UCSB Institutional Animal Care and Use Committee
SUBJECT: Semiannual Evaluation of Animal Care and Use Program and
Inspection of Facilities

This represents the semiannual report of the Institutional Animal Care and Use Committee (IACUC), as required by the PHS Policy on Humane Care and Use of Laboratory Animals and as a condition of this institution's Animal Welfare Assurance on file with the Office for Laboratory Animal Welfare, and USDA Animal Welfare Regulations, 9 CFR Chapter I, subchapter A, as applicable. No minority reports were submitted for the Semiannual Program Review or Facility Inspections.

Evaluation of the Animal Care and Use Program:

The IACUC conducted its semiannual evaluation of the institution's animal care and use program on April 29, 2020, using the *Guide for the Care and Use of Laboratory Animals (Guide)*, and, as applicable, 9 CFR Chapter I, 2.31.

No deficiencies were identified during the Spring 2020 review of the animal care and use program.

Inspection of Animal Facilities:

The IACUC inspected the animal facilities on January 13, 2020; and February 4, 25, 2020 using the *Guide*, and, as applicable, 9 CFR Chapter I, 2.31.

No major or minor deficiencies were identified during the inspections of the animal facilities and are described in the UCSB-IACUC Semiannual Facility Inspection Report deficiency tables.

Please review the attached letters for details of the program and animal facilities inspections.

Departures from the Guide

The following list of projects outlines UCSB's departures from the Guide, and has been approved by the IACUC. All departures are reviewed annually by the IACUC, in addition to each semiannual program review and facility inspection.

1. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild amphibians. Instead, amphibians will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the amphibian will be released.

2. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild frogs. Instead, frogs will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the frog will be released.

3. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field station, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

4. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

5. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 112) states "All animals should be observed for signs of illness, injury, or abnormal behavior by a person trained to recognize such signs. As a rule, such observation should occur at least daily, but more frequent observations may be required, such as during postoperative recovery, when animals are ill or have a physical deficit, or when animals are approaching a study endpoint."

Fish in pens will be checked on Days 1, 4, and 7, and then weekly thereafter. Weekly status checks, instead of daily, of the experimental fish are proposed for several reasons (see protocol for reasons).

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

6. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

Departure: The Guide (pg. 34) states "Both the Health Research Extension Act and the AWA require the IACUC to inspect animal care and use facilities, including sites used for animal surgeries, every 6 months."

Due to the remote location of the field station, the IACUC will not be able to semiannually inspect the animal housing facilities.

7. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

8. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

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Due to the remote location of the field station, the IACUC will not be able to semiannually inspect the animal housing facilities.

9. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has either demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the animal will be released.

10. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild frogs. Instead, frogs will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the frog will be released.

11. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

12. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild amphibians. Instead, amphibians will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the amphibian will be released.

13. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild mammals or reptiles. Instead, animals will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the animal will be released.

14. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 43) states "animals should be provided with adequate resources for thermoregulation (nesting material, shelter) to avoid cold stress."

The CLAMS (Comprehensive Lab Animal Monitoring Systems) are not designed to function with a nesting and/or rigid shelter because it would inhibit the ability for monitoring the movement/activity of the mice.

15. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

Departure: The Guide (pg. 106) states "the AV should provide guidance and oversight to surgery programs and perioperative care involving animals."

Due to the remote location of the surgeries and type of species being used, the AV will not be able to provide direct oversight or competency evaluations for surgeons performing survival surgeries.

16. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

17. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild frogs. Instead, frogs will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the frog will be released.

18. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field studies, veterinary care is not available for wild snakes. Instead, snakes will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the snake will be released.

19. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

Departure: The Guide (pg. 34) states "Both the Health Research Extension Act and the AWA require the IACUC to inspect animal care and use facilities, including sites used for animal surgeries, every 6 months."

Due to the remote location of the field station, the IACUC will not be able to semiannually inspect the animal housing facilities.

20. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead any fish in distress will be released and monitored until it has either demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the animal will be released.

21. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild amphibians or reptiles. Instead, amphibians and reptiles will be monitored for signs of illness, injury, or abnormal

behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the animal will be released.

22. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild fish. Instead, fish will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the fish will be released.

23. Protocol [REDACTED]

"[REDACTED]"

Departure: The Guide (pg. 74) states "emergency veterinary care must be available after work hours, on weekends, and on holidays."

Due to the remote location of the field work, veterinary care is not available for wild mammals or reptiles. Instead, animals will be monitored for signs of illness, injury, or abnormal behavior until it has demonstrated normal behavior or will be euthanized if its condition deteriorates. Once normal behavior has been demonstrated, the animal will be released.

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INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

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Email IACUC@lifesci.ucsb.edu

MEMORANDUM

TO: Dr. Joseph Incandela, Vice Chancellor for Research
Institutional Official

CC: [REDACTED]

FROM: UCSB INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE (IACUC)

SUBJECT: Semiannual Animal Care and Use Program Review, Spring 2020

DATE: 11/13/2020

The IACUC conducted a semiannual review of the UCSB animal care program as directed by the Public Health Services Policy and the Animal Welfare Act Regulations. In accordance with these Federal regulations and our assurance agreement with Federal granting agencies, the IACUC is required to report any areas of concern or deficiencies and to oversee corrective actions. **We are pleased to report that we did not find any areas of concern or deficiencies with the animal care program.** Please acknowledge receipt of this report by responding to the IACUC within 14 days of this notice. You may return your response via email to iacuc@lifesci.ucsb.edu. If you have any questions, please contact the IACUC Office.

For the Committee,
[REDACTED]