

Annual Report to OLAW

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| Institution: Iowa State University |
| Assurance Number: D16-00149 |
| Reporting Period: October 1, 2020 – September 30, 2021 |

This institution's Institutional Animal Care and Use Committee (IACUC), through the Institutional Official, provides this annual report to the Office of Laboratory Animal Welfare (OLAW).

I. Program Changes

- [☐] A. There have been **no changes** in this institution's program for animal care and use as described in the Assurance.
- [☒] B. Change(s) in this institution's program for animal care and use as described in the Assurance have occurred during this reporting period.

Select all that apply:

- [☐] This institution's AAALAC accreditation status has changed (PHS Policy IV.A.2.).
- [☐] AAALAC Accredited – Category 1
- [☐] Non-Accredited – Category 2
- [☒] This institution's program for animal care and use has changed (PHS Policy IV.A.1.a-i.).
- [☒] The individual designated by this institution as the Institutional Official has changed.
- [☒] The membership of this institution's IACUC has changed.

II. Semiannual Evaluations

This IACUC has conducted semiannual evaluations of the institution's program and inspections of the institution's facilities (including satellite facilities) on the dates below. Reports of the evaluations and inspections have been submitted to the Institutional Official. The reports include any IACUC-approved departures from the *Guide* with a reason for each departure, any deficiencies (significant or minor) that were identified, and a plan and schedule for correction of each deficiency.

A. Program Evaluations

| | |
|--------------------|--------------------|
| Date 1: 10/07/2020 | Date 2: 04/07/2021 |
|--------------------|--------------------|

B. Facility Inspections



Date 1: Please see attachment.

Date 2: Please see attachment.




III. Minority Views

- [☒] A. There were **no minority** views during this reporting cycle.
- [☐] B. Any minority views submitted by members of the IACUC regarding reports filed under PHS Policy IV.F. for this reporting cycle are attached.

IV. Signatures

| IACUC Chairperson | Institutional Official |
|--|---|
| Name: Dr. Julie Blanchong | Name: Dr. Peter Dorhout |
| Signature:  (b) (6) | Signature:  (b) (6) |
| Date: Nov. 8, 2021 | Date: 15 Nov 2021 |

V. Change in Institutional Official

| | |
|--|---|
| Name: Dr. Peter Dorhout | |
| Title: Vice President for Research | Degree/Credentials: PhD |
| Name of Institution: Iowa State University | |
| Address:  (b) (4) Beardshear Hall, 515 Morrill Rd, Ames, IA, 50011-2103 | |
| Phone:  (b) (6) | Fax:  (b) (6) |
| E-mail: dorhout@iastate.edu | |

VI. Change in IACUC Membership

| Institution: Iowa State University | | | |
|--|------------------------|---|--|
| IACUC Contact Information | | | |
| Address: 2420 Lincoln Way, Suite 202, Ames, IA, 50014-0340 | | | |
| E-mail: iacuc@iastate.edu | | | |
| Phone: (b) (6) | | Fax: NA | |
| IACUC Chairperson | | | |
| Name: Dr. Julie Blanchong | | | |
| Title: Associate Professor (wildlife and field trial specialist) | | Degree/Credentials: PhD | |
| PHS Policy Membership Requirements***: | | | |
| IACUC Roster | | | |
| Name of Member/ Code* | Degree/ Credentials | Position Title/ Occupational Background** | PHS Policy Membership Requirements*** |
| Julie Blanchong | PhD | Associate Professor | Chair |
| Mary Sauer | VMD/DACLAM | Attending Veterinarian | Veterinarian |
| (b) (6) | | | Scientist |
| | | | Member/Alternate Attending Veterinarian |
| | | | Scientist |
| | | | Scientist |
| | | | Scientist |
| | | | Scientist |
| | | | Scientist |
| | | | Nonscientist and Non-affiliated Member |
| | | | Member |
| | | | Scientist |
| | | | Scientist |
| | | | |
| | | | Alternate for the Wildlife & Field Trial Specialist (this is the chair's position but not alternate chair) |

| | |
|---------|-------------------|
| (b) (6) | Alternate for M10 |
| | Alternate for M2 |
| | Alternate for M1 |
| | Alternate for M3 |
| | Alternate for M7 |
| | Alternate for M8 |

* Names of members, other than the chairperson and veterinarian, may be represented by a number or symbol in this report to OLAW. Sufficient information to determine that all appointees are appropriately qualified must be provided and the identity of each member must be readily ascertainable by the Institution and available to authorized OLAW or other PHS representatives upon request.

** List specific position titles for all members, including nonaffiliated (e.g., banker, teacher, volunteer fireman; not "community member" or "retired").

*** PHS Policy Membership Requirements:

Veterinarian veterinarian with training or experience in laboratory animal science and medicine or in the use of the species at the institution, who has direct or delegated program authority and responsibility for activities involving animals at the institution.

Scientist practicing scientist experienced in research involving animals.

Nonscientist member whose primary concerns are in a nonscientific area (e.g., ethicist, lawyer, member of the clergy).

Nonaffiliated Individual who is not affiliated with the institution in any way other than as a member of the IACUC and is not a member of the immediate family of a person who is affiliated with the institution. This member is expected to represent general community interests in the proper care and use of animals and should not be a laboratory animal user or former user. A consulting veterinarian may not be considered nonaffiliated.

Statement of Burden

Public reporting burden for this collection of information is estimated to average 90 minutes 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. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0765). Do not return the completed form to this address.

I. Program Changes [Select A or B]

B. Change(s) in this institution's program for animal care and use as described in the Assurance have occurred during this reporting period.

[X] This institution's program for animal care and use has changed (PHS Policy IV.A.1.a-i.).

Section I. Applicability of Assurance – this is changed to reflect work supported by NASA.

This Assurance applies whenever this institution conducts the following activities: all research, research training, experimentation, biological testing, and related activities involving live vertebrate animals supported by PHS, HHS, NSF, and/or NASA.

Section III: Institutional Program for Animal Care and Use

- A. **The lines of authority and responsibility for administering the program and ensuring compliance with the PHS Policy are delineated in attached organizational chart (Appendix A).** An updated organizational chart (Appendix A) is attached to reflect the new Institutional Official.

Section III: Institutional Program for Animal Care and Use

- B. **The qualifications, authority and percent of time contributed by the veterinarian(s) who participate in the program are as follows:** In the originally approved version, it is listed that (b) (6) obtained a Certified Manager of Animal Science (CMAR) certificate in 2014. The certification should be listed as a Certified Manager of Animal Resources (CMAR).

The qualifications, authority and percent of time contributed by the veterinarian(s) who participate in the program are as follows: (b) (6)

(b) (6) previously listed as veterinarians that participate in the program are no longer employed with ISU and therefore are removed as veterinarians that participate in the program.

A new veterinarian has joined ISU and participates in the program.

(b) (6)

Section III: Institutional Program for Animal Care and Use

D.7) The originally approved version of the PHS Assurance lists a policy titled "Review if Modifications to Approved Animal Protocols". The title of this policy has been changed to "Review of Amendments to Approved Animal Protocols".

Section III: Institutional Program for Animal Care and Use

G. Animal Care and Use Personnel:

Bullet point 12 should now read: Literature searches must be conducted for IACUC protocols for the following studies: a) studies in which USDA covered species undergo a procedure(s) that places animals in humane use category D or E; or b) studies that have been funded by or will be funded by DOD and animals, regardless of species, undergo a procedure(s) that places animals in humane use category D or E.

Section V: Reporting Requirements

- A. The Institutional reporting period is the federal reporting period of October 1 – September 30 of each year. The IACUC, through the Institutional Official, will submit an annual report to OLAW by December 1 of each year. The annual report will include: (all the remaining information listed in this section of the original PHS Assurance will remain as originally listed the time frame and submission date are the only items that have changed).

Section X: Facility and Species Inventory should reflect the following information regarding average daily inventory as average daily inventory has changed:

The location listed as G in the original PHS Assurance did not house dogs during this reporting period.

The location listed as J in the original PHS Assurance had an average daily inventory of 17 hamsters and 5 mice.

The location listed as K in the original PHS Assurance did not house animals during this reporting period.

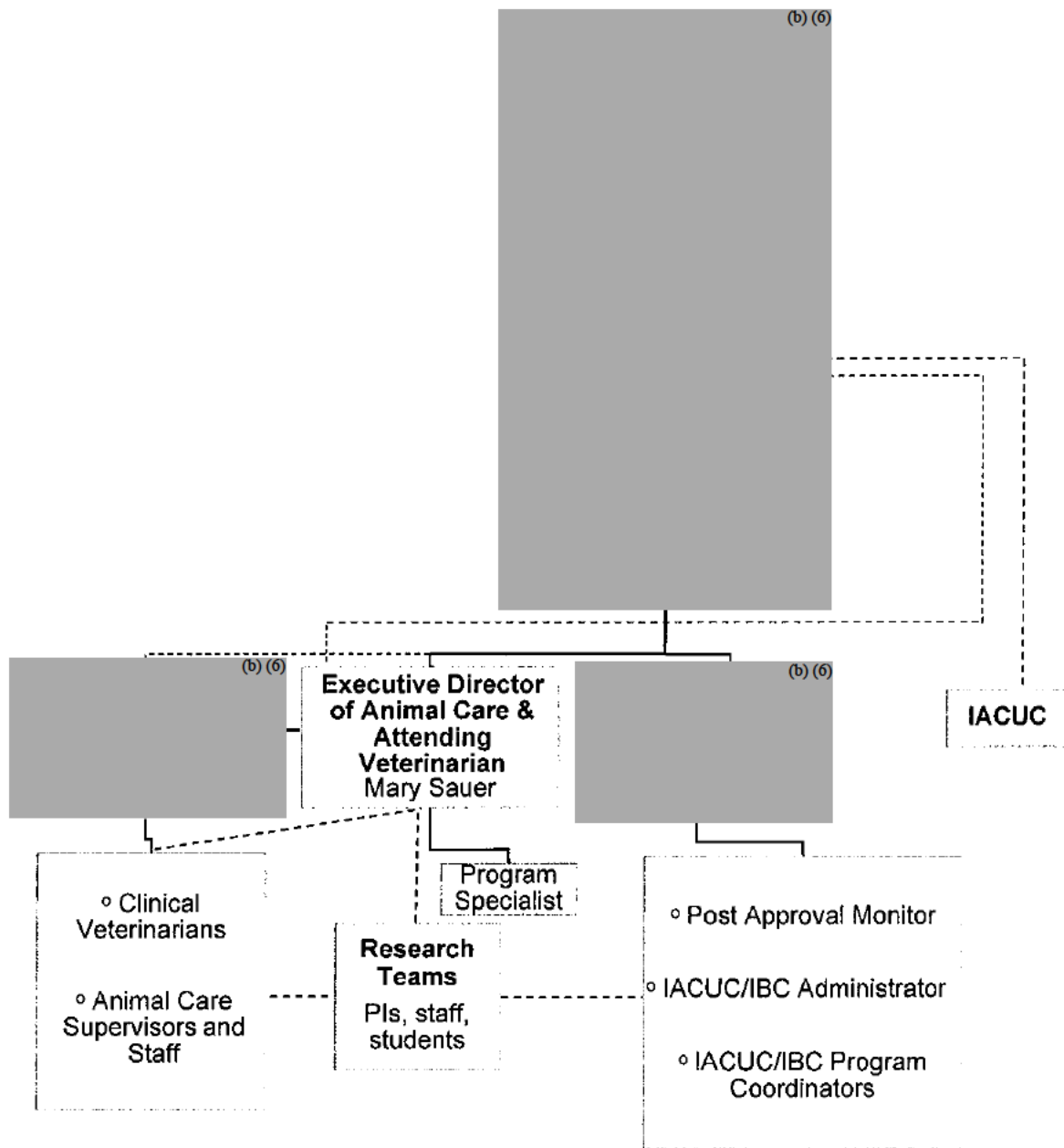
The location listed as M in the original PHS Assurance had a change in average daily inventory for the following species to: 1 painted turtle, 38 checkered garter snakes and 0 common garter snakes. This area also added 715 square feet of space and had an average daily inventory of 1 tree swallow for the months of May and July. The average daily inventory for other species housed in this location is as stated on the original PHS Assurance.

The location listed as N on the original PHS Assurance had an average daily inventory of 1 Amazonian turtle, 2 snapping turtles, 18 softshell turtles and 4 painted turtles during this reporting period.

The location listed as P on the original PHS Assurance had an average daily inventory of 3 hamsters and 3 mice. The horse census remained the same during this time period.

The location listed as Q on the original PHS Assurance had an average daily inventory of 11,841 zebrafish and 205 mice during this reporting period.

Appendix A



| ID on PHS Assurance | ID of location (b) (4) | 1st Inspection | 2nd Inspection | 3rd Inspection | Notes |
|---------------------|---------------------------|------------------|------------------|----------------|-----------------------------|
| A | | 10/9/2020 | 4/9/2021 | | |
| B | | 3/24/2021 | 9/20/2021 | | |
| B | | 3/24/2021 | 9/20/2021 | | |
| C | | 10/1/2020 | 4/1/2021 | 9/30/2021 | |
| D | | 10/2/2020 | 4/2/2021 | | |
| E | | 10/21/2020 | 4/21/2021 | | |
| F | | No Longer in Use | No Longer in Use | | |
| F | | 10/5/2020 | 4/5/2021 | | |
| F | | No Longer in Use | No Longer in Use | | |
| G | | 3/29/2021 | 9/29/2021 | | |
| G | | 10/28/2020 | 4/28/2021 | | |
| G | | 3/29/2021 | 9/29/2021 | | |
| G | | 3/29/2021 | 9/29/2021 | | |
| G | | 10/28/2020 | No Longer in Use | | |
| G | | 10/28/2020 | 4/28/2021 | | |
| G | | No Longer in Use | No Longer in Use | | |
| G | | 10/28/2020 | 4/28/2021 | | |
| G | | 3/29/2021 | 9/29/2021 | | |
| G | | 10/28/2020 | 3/29/2021 | 9/29/2021 | |
| G | | 1/29/2021 | 4/28/2021 | | No longer in use |
| G | | 9/15/2021* | | | *Inspected before first use |
| G | | 12/4/2020 | 3/29/2021 | 9/29/2021 | |
| H | | 10/23/2020 | 4/23/2021 | | |
| I | | 10/22/2020 | 4/22/2021 | | |
| J | | 10/6/2020 | 4/6/2021 | | |
| K | | No Longer in Use | No Longer in Use | | |
| L | | 10/2/2020 | 4/2/2021 | | |
| M | | 3/25/2021 | 9/23/2021 | | |
| M | | 3/25/2021 | 9/23/2021 | | |
| M | | 3/25/2021 | 9/23/2021 | | |
| M | | No Longer in Use | No Longer in Use | | |
| M | | No Longer in Use | No Longer in Use | | |
| M | | 3/25/2021 | 9/23/2021 | | |
| M | | 3/25/2021 | 9/23/2021 | | |
| M | | 3/25/2021 | 9/23/2021 | | |
| M | | 4/15/2021* | 9/23/2021 | | *Inspected before first use |
| M | | 6/30/2021* | No Longer in Use | | *Inspected before first use |
| N | | No Longer in Use | No Longer in Use | | |
| N | | No Longer in Use | No Longer in Use | | |
| N | | 10/20/2020 | 4/20/2021 | | |
| N | | 10/20/2020 | 4/20/2021 | | |
| N | | No Longer in Use | No Longer in Use | | |
| N | | No Longer in Use | No Longer in Use | | |
| N | | 10/20/2020 | 4/20/2021 | | |
| O | | 10/16/2020 | 4/16/2021 | | |
| P | | 10/6/2020 | 4/6/2021 | | |
| P | | 10/13/2020 | 4/13/2021 | | |
| P | | 10/15/2020 | No Longer in Use | | |
| P | | 10/6/2020 | 4/6/2021 | | |
| P | | No Longer in Use | No Longer in Use | | |
| P | | No Longer in Use | No Longer in Use | | |
| P | | 10/15/2020 | 4/14/2021 | | |
| P | | 10/15/2020 | 4/14/2021 | | |
| P | | 10/29/2020 | 4/29/2021 | | |
| P | | 10/13/2020 | 4/13/2021 | | |
| P | | 10/12/2020 | 4/13/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |

| | | | | | |
|---|---------|------------------|------------------|-----------|-----------------------------|
| P | (b) (4) | 11/6/2020 | 5/6/2021 | | |
| P | | 11/6/2020 | 5/6/2021 | | |
| P | | 10/15/2020 | 4/14/2021 | | |
| P | | 11/6/2020 | 5/6/2021 | | |
| P | | 11/6/2020 | 11/23/2020 | 5/6/2021 | |
| P | | 11/6/2020 | 5/6/2021 | | |
| P | | 11/6/2020 | 5/6/2021 | | |
| P | | No Longer in Use | No Longer in Use | | |
| P | | 11/6/2020 | 5/6/2021 | | |
| P | | 10/15/2020 | 4/14/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |
| P | | No Longer in Use | No Longer in Use | | |
| P | | 11/6/2020 | 5/6/2021 | | |
| P | | 10/13/2020 | 4/13/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |
| P | | 3/26/2021 | 9/24/2021 | | |
| P | | 10/6/2020 | 4/6/2021 | | |
| P | | 11/18/2020 | 3/26/2021 | 9/24/2021 | |
| P | | 5/6/2021* | | | *Inspected before first use |
| Q | | 3/22/2021 | 9/20/2021 | | |
| Q | | 3/22/2021 | 9/20/2021 | | |
| Q | | 3/22/2021 | 9/20/2021 | | |
| Q | | 3/22/2021 | 9/20/2021 | | |
| R | | 11/5/2020 | 5/5/2021 | | |
| R | | 1/29/2021 | 5/5/2021 | | |
| S | | 3/22/2021 | 9/21/2021 | | |
| S | | 3/22/2021 | 9/21/2021 | | |
| S | | 3/22/2021 | 9/21/2021 | | |
| T | | Not In Use | Not In Use | | |
| U | | 11/16/2020 | 5/6/2021 | | |
| U | | 11/23/2020 | 5/6/2021 | | |
| V | | 10/29/2020 | 4/26/2021 | | |
| W | | No Longer in Use | No Longer in Use | | |
| X | | 2/9/2021 | Not In Use | | |