

MAY 19 2014

HUMBOLDT STATE UNIVERSITY
INSTITUTIONAL ANIMAL CARE AND USE
PROTOCOL ROUTING SLIP

College of Natural Resources & Sciences
Humboldt State University

The attached protocol for the humane care and use of live vertebrate animals was submitted on

28 July 2013
(date)

Dr. Tim Mulligan
(faculty project leader)

by _____
(course # if appropriate)

Check whether the work described in this protocol will be supported by funding administered by the
(X) HSU Foundation, () another administrative unit -list, or () will be unfunded.

Animals used for this project will be housed in the following facilities (please check all that apply):
() Animal Rooms; () Fish Hatchery; () Game Pens; (X) Telonicher Marine Lab;
() Natural History Museum; () Other, specify site and room _____

Person / phone number (or e-mail) to contact: Tim Mulligan; x3684; tjm2@humboldt.edu

Project Title: The Ecological State of Northern California's Sandy Beaches and Surf Zones: A Baseline Characterization for MPA Assessment

ROUTE FIRST TO THE CHAIR OF THE IACUC, ASSOCIATE DEAN OF THE COLLEGE OF NATURAL RESOURCES AND SCIENCES (RM. 106C IN THE FORESTRY BUILDING). Please allow ten working days for review of proposals to conduct minimally invasive procedures and an excess of one month for review of proposals to conduct invasive procedures; note that these time periods are minimal and assume that no revisions will be necessary prior to approval. ALWAYS VERIFY APPROVAL (OFFICE OF THE CHAIR OF THE IACUC; 826-3256) BEFORE STARTING YOUR PROJECT.

THE REMAINDER OF THIS PAGE IS FOR THE USE OF THE INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE

Date 1 st Received	<u>8/2/13</u>	REVIEW	No. <u>13/14.F.10-A</u>
<p>() E- Procedures are exempt from full IACUC review because they are purely observational, non-invasive, and produce no perceptible discomfort or they concern only the use of tissues from dead animals. To be considered exempt, tissues from dead animals must be obtained from animals euthanized or otherwise killed by means, and for purposes, unrelated to the proposed project. The procedure may be approved by the Chair one additional member of the IACUC.</p> <p><input checked="" type="checkbox"/> A- Procedures will be minimally invasive or produce relatively little discomfort. Protocols may involve, bleeding, injections, minimal sampling, anesthesia or humane euthanasia without prior invasive manipulation. The procedure may be approved by the Chair and two additional members of the IACUC. Project topics will be reviewed by the IACUC at the next scheduled meeting.</p> <p>() B- Procedures will involve prolonged manipulation or be invasive. Protocols may involve surgical or other stimuli inducing pain or distress, but all pain or distress will be mitigated with appropriate anesthetics or analgesics. The procedure may be initially approved by the Chair, the Campus Veterinarian and one additional member of the IACUC. Protocols will be reviewed by the IACUC at the next scheduled meeting.</p> <p>() C- Procedures will be invasive and may cause prolonged physiological or psychological stress. Pain, considerable distress, or discomfort may be induced and not mitigated by anesthesia or adequate analgesia (e.g. LD50 experiments, long-term food or water deprivation, etc.). These protocols will be reviewed thoroughly by the IACUC prior to commencement of the project.</p>			
Signature, IACUC Member	<u>[Signature]</u>	Date	<u>5/23/14</u>
		<input checked="" type="checkbox"/> Approved	() Denied
Signature, IACUC Member	<u>[Signature]</u>	Date	<u>5/23/14</u>
		<input checked="" type="checkbox"/> Approved	() Denied
Signature, IACUC Chair	<u>[Signature]</u>	Date	<u>5-28-14</u>
		<input checked="" type="checkbox"/> Approved	() Denied

Routing slip revision 05/09

cc: () Project Leader, () Animal Facility Supervisor, () Department Chair