

STATE OF ALASKA

SEAN PARNELL,
GOVERNOR

DEPARTMENT OF FISH AND GAME
DIVISION OF WILDLIFE CONSERVATION

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**PROJECT AMENDMENT/REVISION
ASSURANCE OF ANIMAL CARE FORM
FOR PREVIOUSLY APPROVED PROJECTS**

Office Use Only:

ACUC No(s). 07-16 AND 09-08

DATE RECEIVED: 3/5/2010 and 4/13/2010

DATE AMENDMENT APPROVED: 4/27/2010

RENEWAL MONTH: August

I. GENERAL INFORMATION

Principal Investigator or Project Leader: Gail Blundell as revised by Shawana Karpovich

Phone #: 907-4597239

e-mail: shawna.karpovich@alaska.gov

Office Location: Fairbanks

Title of Project: Investigations of harbor seals in Alaska

Approx. Starting Date: Ongoing

Completion Date: Ongoing

Approved, Chair DWC ACUC

4/27/2010

Date

II. ANIMAL SPECIES – HARBOR SEAL

III. RESEARCH STUDY SITE LOCATION AND/OR GAME MANAGEMENT UNIT: MARINE WATERS STATEWIDE

IV. PROJECT AMENDMENT/REVISION SUMMARY Give brief, concise summary of the project, the species and number of animals that will be captured or handled.

See attached memo dated 4 March 2010

To: Dr. Kimberlee Beckmen
From: Shawna Karpovich

Date: 4-March-10
Subject: revision to the harbor seal ACUC protocol #07-16

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Dr. Beckmen,

This is a request to revise our ACUC to include 1) IM injection of an analgesic and 2) IM injection of a diazepam antagonist.

- ADMINISTRATION OF ANESTHETICS/IMMOBILIZING AGENTS *Describe agent, dose (mg/kg), route of administration, expected duration of anesthesia, method of monitoring anesthesia; maintenance/monitoring procedures to ensure normal body temperature is maintained in the animal, procedures employed in case of anesthetic emergency, monitoring protocol to ensure animal's complete recovery from anesthesia; if by inhalation describe the equipment used and state the method of scavenging waste anesthetic gas/fumes; if injectable agent(s) are not commercially prepared and sterility guaranteed please describe method used to assure the agent's sterility when injected.]*

Seals will be given injections of Diazepam (0.25 mg/kg body weight) in the caudal vertebral sinus before removing the needle used for the initial blood draw. After the Diazepam injection, procedures that are likely to be more painful are conducted (eg. blubber biopsy, D₂O injection, PIT tag injection and flipper tag attachment). After sample collection, seals are moved into holding pens with heat lamps (if necessary) and monitored for shivering, over heating, or unusual behaviors. Seals will either be held onboard the vessel for approximately 2.5 hours after diazepam injection, or given an IM injection of flumazenil (0.25 mg/kg body weight). Animals will be released when they are able to control movement normally, are fully alert and aggressive (i.e., exhibiting behavior similar to their pre-sedation state). Seals will then be encouraged to move out of holding pens and allowed to move on the vessel deck to approach and re-enter the water on their own.

- ADMINISTRATION OF ANALGESICS NOT REVERSED AFTER ANESTHESIA *[Describe agent, dose (in mg/kg), route of administration, frequency, duration of use. If associated with a surgical procedure please indicate and refer to the Animal Surgery Information section.]*

For seals that are undergoing a blubber biopsy, an IM injection of Banamine (0.1 mg/kg body weight) will be given.