

SCIENTIFIC RESEARCH AND COLLECTING PERMIT



Grants permission in accordance with the attached general and special conditions

**United States Department of the Interior
National Park Service**

Glacier Bay NP & PRES

**Study#: GLBA-00142
Permit#: GLBA-2009-SCI-0010
Start Date: Jul 01, 2009
Expiration Date: Dec 31, 2013
Coop Agreement#: n/a
Optional Park Code: n/a**

Name of principal investigator:

Name: Brendan Moynahan **Phone:** 907.364.2621 **Email:** brendan_moynahan@nps.gov

Name of institution represented:

National Park Service, Southeast Alaska Network

Co-Investigators:

Name: Lewis Sharman **Phone:** 907.697.2623 **Email:** lewis_sharman@nps.gov
Name: Steve Hoekman **Phone:** 206-547-1721 **Email:** fnsth1@aurora.uaf.edu

Project title:

Development of a monitoring protocol for Kittlitz's Murrelets

Purpose of study:

Under a cooperative (CESU) agreement with the University of Alaska-Fairbanks, we will be conducting a field test of critical components of designs for long-term monitoring of density/abundance/trend of Kittlitz's murrelets in Glacier Bay. The field work will feed back into the office-based protocol development process. We expect that a draft monitoring protocol will be completed in the fall of 2009.

Subject/Discipline:

Birds / Ornithology

Locations authorized:

Glacier Bay proper

Transportation method to research site(s):

Boat-based surveys aboard the R/V Capelin and the R/V Sigma-t.

Collection of the following specimens or materials, quantities, and any limitations on collecting:

No collections are authorized.

Name of repository for specimens or sample materials if applicable:

n/a

Specific conditions or restrictions (also see attached conditions):

**** This Scientific Research and Collecting Permit provides authorization, in lieu of a Waiver from Park Regulations, for the project vessels to navigate transects (as minimally necessary to achieve research/monitoring objectives and as described in the project proposal) closer than one nautical mile from shore within seasonally/temporarily-designated Whale Waters as long as permission is not denied by the Visitor Information Station (VIS) in consultation with park whale biologists. In such cases, the project leader will contact the VIS immediately prior to initiating a near-shore transect in Whale Waters, and will similarly contact the VIS upon completion of that transect (beyond 1 mile from shore). If it is more efficient to provide notification for a series of repeated shoreline close approaches, the VIS may allow such an arrangement on a daily basis if they deem it suitable (VIS will be advised of duration during the day and geographic area of shoreline). Similarly, this Permit authorizes project vessels, for purposes of test transects, to enter the motorless waters of Hugh Miller Inlet for up to one day during the July 6-16, 2009 pilot survey reconnaissance period. No other exemptions from park regulations are authorized. ****

Prior to the start of field operations in Glacier Bay, the captain(s) and any other project personnel who may be operating a vessel will attend a Boater Orientation at the VIS if they have not already done so for the 2009 calendar year.

Similarly, any project personnel who will be camping ashore will attend a Camper Orientation at the VIS, with particular attention to preventing/reducing conflicts with bears. For both orientations, advance arrangements can be made by contacting the VIS in advance (907-697-2627).

The project vessel(s) will prominently display a "RESEARCH" flag, obtainable from the VIS. The flag(s) must be returned upon the vessels' departure from Glacier Bay.

The project leader/vessel captain(s) will file and close out daily float plans with the VIS, and will arrange periodic check-ins to keep the park apprised of locations and activities.

The project leader will provide the park with 3 representative high-resolution digital images illustrating the project, which will become public domain. These are due by December 31, 2009 (send to the Research Coordinator, Lewis Sharman, 907-697-2623, <lewis_sharman@nps.gov>).

The project leader will provide the park with a digital educational "poster" of the project (printable in 11"x17" folio format) for inclusion in an interpretive notebook for viewing by the general public (send to the Research Coordinator, as above).

The project leader is requested to give an informal "live" presentation of the project to park staff and/or the general public. Please contact the Research Coordinator for assistance with scheduling, audience, venue, notification, etc.

In addition to the Investigator's Annual Report (IAR - due March 31, 2010), the project leader will submit to the park a formal Project Report (by Dec. 31, 2009, and annually thereafter for the remainder of the Permit period). The Project Report is intended to contain considerably more detail than the IAR, including analyzed data and findings, as well as synthesis with past/other data, a summary interpretation in historical context, and any appropriate recommendations to management.

Recommended by park staff(name and title):

Reviewed by Collections Manager:

Yes _____ No _____

Approved by park official:

Date Approved:

Title:

Superintendent

I Agree To All Conditions And Restrictions Of this Permit As Specified
(Not valid unless signed and dated by the principal investigator)

(Principal investigator's signature)

(Date)

**THIS PERMIT AND ATTACHED CONDITIONS AND RESTRICTIONS MUST BE CARRIED AT ALL TIMES
WHILE CONDUCTING RESEARCH ACTIVITIES IN THE DESIGNATED PARK(S)**