



INCIDENTAL HARASSMENT AUTHORIZATION

Glacier Bay National Park, P.O. Box 140, Gustavus, Alaska 99826 and/or its designees (holders of the Authorization) are hereby authorized under section 101(a)(5)(D) of the Marine Mammal Protection Act (16 U.S.C. 1371(a)(5)(D)) to harass small numbers of marine mammals incidental to conducting monitoring and research studies on glaucous-winged gulls (*Larus glaucescens*) within Glacier Bay National Park and Preserve in Alaska:

1. This Authorization is valid from May 16, 2016 through September 30, 2016.
2. This Authorization is valid only for research activities that would occur in the following specified geographic areas:
Boulder (58° 33' 18.08" N; 136° 1' 13.36" W); Lone (58° 43' 17.67" N; 136° 17' 41.32" W), and Flapjack (58° 35' 10.19" N; 135° 58' 50.78" W) Islands, and Geikie Rock (58° 41' 39.75" N; 136° 18' 39.06" W); and Tlingit Point Islet (58° 45' 16.86" N; 136° 10' 41.74" W) in Glacier Bay, Alaska.

3. Species Authorized and Level of Takes

- (a) The taking, by Level B harassment only, is limited to the specified number of the following species: 500 Pacific harbor seals (*Phoca vitulina*).
- (b) The taking by injury (Level A harassment), serious injury or death of any of the species listed in Condition 3(a) or the taking of any kind of any other species of marine mammal is prohibited and may result in the modification, suspension or revocation of this Authorization.
- (c) The taking of any marine mammal in a manner prohibited under this Authorization must be reported immediately to the Chief, Permits and Conservation Division, Office of Protected Resources, NMFS, at (301) 427-8401.

4. General Conditions

- (a) A copy of this Authorization must be in the possession of Glacier Bay National Park, its designees, and field crew personnel (including research collaborators) operating under the authority of this Authorization at all times.

5. Mitigation Measures

The Holder of this Authorization is required to implement the following mitigation measures:



- (a) Conduct pre-survey monitoring before deciding to access a study site. Prior to deciding to land onshore of Boulder, Lone, or Flapjack Island or Geikie Rock, the Holder of this Authorization will use high-powered image stabilizing binoculars to document the number, species, and location of hauled out marine mammals at each island. The vessels will maintain a distance of 328 to 1,640 ft (100 to 500 m) from the shoreline.
 - i. If the Holder of the Authorization determines that there are greater than or equal to 25 harbor seals hauled out on the shoreline, the holder will not access the island and will not conduct the study at that time.
 - ii. If the Holder of the Authorization determines that Steller sea lions (*Eumetopias jubatus*) are present at the study site, the holder will not access the island and will not conduct the study at that time.
- (b) Minimize the potential for disturbance near known pinniped haul outs by boat travel and pedestrian approach during research activities by: 1) performing controlled and slow ingress to the study site to prevent a stampede; and 2) selecting a pathway of approach farthest from the hauled out harbor seals to minimize disturbance.
- (c) Monitor for offshore predators. Avoid approaching the study site if killer whales (*Orcinus orca*) are present. If the Holder of this Authorization observes predators in the area, they must not disturb the animals until the area is free of predators.
- (d) Maintain a quiet research atmosphere in the visual presence of pinnipeds.

6. Monitoring

The holder of this Authorization is required to:

- (a) Record the date, time, and location (or closest point of ingress) of each visit to the research site.
- (b) Collect the following information for each visit:
 - i. composition of the marine mammals sighted, such as species, gender and life history stage (e.g., adult, sub-adult, pup);
 - ii. information on the numbers (by species) of marine mammals observed during the activities;
 - iii. Species counts (with numbers of adults/juveniles); and:
 - iv. Numbers of disturbances, by species and age, according to a three-point scale of intensity including: (1) Head orientation in response to disturbance, which may include turning head towards the disturbance, craning head and neck while holding the body rigid in a u-shaped position, or changing from a lying to a sitting position and/or slight movement of less than 1 meter; "alert"; (2) Movements in response to or away from disturbance, typically over short distances (1-3 meters) and including dramatic changes in direction or speed of locomotion for animals already in motion; "movement"; and (3) All flushes to the water as well as lengthier retreats (>3 meters); "flight".
 - v. Information on the weather, including the tidal state and horizontal visibility.

- (c) If applicable, note observations of marked or tag-bearing pinnipeds or carcasses, as well as any rare or unusual species of marine mammal.
- (d) If applicable, note the presence of any offshore predators (date, time, number, species).

7. Reporting

The holder of this Authorization is required to:

- (a) Draft Report: Submit a draft final report to the Chief, Permits and Conservation Division, Office of Protected Resources, Headquarters, NMFS within 90 days after the expiration of the IHA. The report will include the information gathered pursuant to the monitoring requirements listed in item 6, along with an executive summary.
- (b) The Draft Report shall be subject to review and comment by NMFS. Any recommendations made by NMFS must be addressed in the Final Report prior to submission to NMFS. If we decide that the draft final report needs no comments, the draft final report will be considered to be the final report.
- (c) Final Report: Submit a final report to the Chief, Permits and Conservation Division, Office of Protected Resources, Headquarters, NMFS within 30 days after receiving comments from us on the draft final report.

8. Reporting Prohibited Take

In the unanticipated event that the specified activity clearly causes the take of a marine mammal in a manner prohibited by the authorization, such as an injury (Level A harassment), serious injury, or mortality (e.g., vessel-strike, stampede, etc.), Glacier Bay National Park shall immediately cease the specified activities and immediately report the incident to the Chief, Permits and Conservation Division, Office of Protected Resources, NMFS, at 301-427-8401 and/or by email to Robert.Pauline@noaa.gov and the Alaska Regional Stranding Coordinator at (907) 586-7248 (Aleria.Jensen@noaa.gov):

Time, date, and location (latitude/longitude) of the incident; the name and type of vessel involved; the vessel's speed during and leading up to the incident; description of the incident; water depth; environmental conditions (e.g., wind speed and direction, Beaufort sea state, cloud cover, and visibility); description of marine mammal observations in the 24 hours preceding the incident; species identification or description of the animal(s) involved; the fate of the animal(s); and photographs or video footage of the animal (if equipment is available).

Glacier Bay National Park shall not resume its activities until NMFS is able to review the circumstances of the prohibited take. We will work with Glacier Bay National Park to determine what is necessary to minimize the likelihood of further prohibited take and ensure MMPA compliance. Glacier Bay National Park may not resume their activities until notified by us via letter, email, or telephone.

9. Reporting an Injured or Dead Marine Mammal with an Unknown Cause of Death

In the event that Glacier Bay National Park discovers an injured or dead marine mammal, and the lead researcher determines that the cause of the injury or death is unknown and the death is

relatively recent (i.e., in less than a moderate state of decomposition as we describe in the next paragraph), Glacier Bay National Park will immediately report the incident to the Chief, Permits and Conservation Division, Office of Protected Resources, NMFS, at 301-427-8401 and/or by email to Robert.Pauline@noaa.gov and the Alaska Regional Stranding Coordinator at (907) 586-7248 (Aleria.Jensen@noaa.gov). The report must include the same information identified in the paragraph above this section. Activities may continue while we review the circumstances of the incident. NMFS will work with Glacier Bay National Park to determine whether modifications in the activities are appropriate. Glacier Bay NP can continue their research activities.

10. Reporting an Injured or Dead Marine Mammal not Related to Glacier Bay NP's Activities

In the event that Glacier Bay National Park discovers an injured or dead marine mammal, and the lead visual observer determines that the injury or death is not associated with or related to the authorized activities (e.g., previously wounded animal, carcass with moderate to advanced decomposition, or scavenger damage), Glacier Bay will report the incident to the incident to the Chief, Permits and Conservation Division, Office of Protected Resources, NMFS, at 301-427-8401 and/or by email to Robert.Pauline@noaa.gov and the Alaska Regional Stranding Coordinator at (907) 586-7248 (Aleria.Jensen@noaa.gov) within 24 hours of the discovery. Glacier Bay NP researchers will provide photographs or video footage (if available) or other documentation of the stranded animal sighting to us. Glacier Bay National Park can continue their research activities.

11. A copy of this Authorization must be in the possession of Glacier Bay NP and its designees (including contractors and marine mammal monitors) operating under the authority of this Incidental Harassment Authorization at all times.

Donna S. Wieting
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Director, Office of Protected Resources
National Marine Fisheries Service

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