



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Silver Spring, MD 20910

Kenneth Balcomb
Center for Whale Research
355 Smuggler's Cove Road
Friday Harbor, Washington 98250

JUN 05 2012

Dear Mr. Balcomb:

The National Marine Fisheries Service has issued Permit No. 15569 to the Center for Whale Research, for research activities on marine mammals. This permit is effective upon your signature and valid through the expiration date indicated in Condition A.1.

Before using this permit, please:

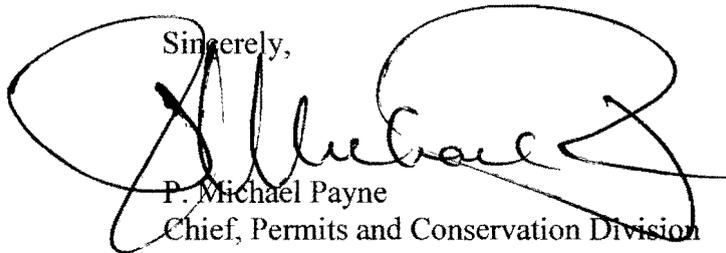
- Read the permit, including attachments. If you have questions, call your permit analyst – Jennifer Skidmore or Amy Hapeman – at 301-427-8401 before signing the permit.
- Sign and date the original signature page and the signature page marked “file copy.”
- Keep the original signature page with your permit. You need both as proof of your authorization to conduct the permitted activities.
- Send the “file copy” signature page to our office as proof of your acceptance of the permit.
- Ensure all personnel who will be working under the permit have read and understand the terms and conditions.

Please be advised that your research permit does not exempt you from compliance with other applicable federal, state or local laws. U.S. Coast Guard regulations (33 CFR 165.1310) establish a regulated navigation area around Makah Tribe vessels during authorized hunts in waters of the Strait of Juan de Fuca and adjacent coastal waters of Northwest Washington. Hunts may occur between April 1 and October 31 annually. During this period, you should monitor channel 16 VHF-FM for notice by the Makah Tribe of a gray whale hunt and, if a hunt is underway, stay 500 yards away from any vessel flying international numeral pennant five (5). In addition, federal regulations governing activities within the Olympic National Marine Sanctuary (15 CFR 922.152) prohibit aircraft from flying below 2000 feet without a permit from the Sanctuary. For information about Sanctuary permits, contact the Director, Office of Ocean and Coastal Resource Management; ATTN: Manager, Olympic Coast National Marine Sanctuary, 138 West First Street, Port Angeles, WA 98362.

Please keep your email contact information current in our online database (<https://apps.nmfs.noaa.gov/>). You will receive automated email reminders of due dates for annual and final reports, and a notice prior to expiration of your permit.

Please return the signature page marked "file copy" to the Permits Division (F/PR1), 1315 East-West Highway, Silver Spring, MD 20910. You may also submit the "file copy" of the signature page by facsimile (FAX number: 301-713-0376) and confirm it by mail.

Sincerely,

A large, stylized handwritten signature in black ink, appearing to read "P. Michael Payne". The signature is written over the typed name and title.

P. Michael Payne
Chief, Permits and Conservation Division
Office of Protected Resources
(phone: 301-427-8401)

Enclosure



Permit No. 15569
Expiration Date: June 6, 2017
Reports Due: September 1st, annually

PERMIT TO TAKE PROTECTED SPECIES¹ FOR SCIENTIFIC RESEARCH

I. Authorization

This permit is issued to the Center for Whale Research, 355 Smuggler's Cove Road, Friday Harbor, Washington 98250, (hereinafter "Permit Holder"), [Responsible Party: Kenneth C. Balcomb III], pursuant to the provisions of the Marine Mammal Protection Act of 1972 as amended (MMPA; 16 U.S.C. 1361 *et seq.*); the regulations governing the taking and importing of marine mammals (50 CFR Part 216); the Endangered Species Act of 1973 (ESA; 16 U.S.C. 1531 *et seq.*); and the regulations governing the taking, importing, and exporting of endangered and threatened species (50 CFR Parts 222-226).

II. Abstract

The objectives of the permitted activity, as described in the application, are to continue research with the goal of determining the population size and structure of the ESA-listed Southern Resident killer whales and other ecotypes of killer whales throughout their range in the Eastern North Pacific Ocean. These studies are conducted through vessel and aerial surveys, photographic identification, behavioral research, fecal and prey sampling, remote measuring (aerial and laser techniques), and passive acoustic recording.

III. Terms and Conditions

The activities authorized herein must occur by the means, in the areas, and for the purposes set forth in the permit application, and as limited by the Terms and Conditions specified in this permit, including attachments and appendices. Permit noncompliance constitutes a violation and is grounds for permit modification, suspension, or revocation, and for enforcement action.

A. Duration of Permit

1. Personnel listed in Condition C.1 of this permit (hereinafter "Researchers") may conduct activities authorized by this permit through June 6, 2017. This permit expires on the date indicated and is non-renewable. This permit may be extended

¹ "Protected species" include species listed as threatened or endangered under the ESA, and marine mammals.

by the Director, NMFS Office of Protected Resources, pursuant to applicable regulations and the requirements of the MMPA and ESA.

2. Researchers must immediately stop permitted activities and the Permit Holder must contact the Chief, NMFS Permits, Conservation and Education Division (hereinafter “Permits Division”) for written permission to resume:
 - a. If serious injury or mortality² of protected species - see Condition E.2 for reporting requirements.
 - b. If authorized take³ is exceeded, including accidental takes of protected species not listed in this permit - see Condition E.2 for reporting requirements.
 - c. The Permit Holder may continue to possess biological samples⁴ (i.e., marine mammal prey remains) acquired under this permit after permit expiration without additional written authorization, provided the samples are maintained as specified in this permit.

B. Number and Kind(s) of Protected Species, Location(s) and Manner of Taking

1. The table in Appendix 1 outlines the number of protected species authorized to be taken, and the locations, manner, and time period in which they may be taken.
2. Researchers working under this permit may collect visual images (*e.g.*, photographs, video) in addition to the photo-identification or behavioral photo-documentation authorized in Appendix 1 as needed to document the permitted activities, provided the collection of such images does not result in takes.
3. The Permit Holder may use visual images and audio recordings collected under this permit, including those authorized in Appendix 1, in printed materials (including commercial or scientific publications) and presentations provided the images and recordings are accompanied by a statement indicating that the activity was conducted pursuant to a NMFS Permit. This statement must accompany the images and recordings in all subsequent uses or sales.

² This permit does not allow for unintentional serious injury and mortality caused by the presence or actions of researchers. Note that for marine mammals, a serious injury is defined by regulation as any injury that will likely result in mortality.

³ By regulation, a take under the MMPA means to harass, hunt, capture, collect, or kill, or attempt to harass, hunt, capture, collect, or kill any marine mammal. This includes, without limitation, any of the following: The collection of dead animals, or parts thereof; the restraint or detention of a marine mammal, no matter how temporary; tagging a marine mammal; the negligent or intentional operation of an aircraft or vessel, or the doing of any other negligent or intentional act which results in disturbing or molesting a marine mammal; and feeding or attempting to feed a marine mammal in the wild. Under the ESA, a take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to do any of the preceding.

⁴ Biological samples include, but are not limited to: carcasses (whole or parts); and any tissues, fluids, or other specimens from live or dead protected species; except feces, urine, and spew collected from the water or ground.

4. The Chief, Permits Division may grant written approval for photography, filming, or audio recording activities not essential to achieving the objectives of the permitted activities, including allowing persons not essential to the research (*e.g.*, a documentary film crew) to be present, provided:
 - a. The Permit Holder submits a request to the Permits Division specifying the location and nature of the activity, approximate dates, and number and roles of individuals for which permission is sought.
 - b. Non-essential photography, filming, or recording activities will not influence the conduct of permitted activities or result in takes of protected species.
 - c. Persons authorized to accompany the Researchers for the purpose of such non-essential activities will not be allowed to participate in the permitted activities.
 - d. The Permit Holder and Researchers do not require compensation from the individuals in return for allowing them to accompany Researchers.
5. Researchers must comply with the following conditions related to the manner of taking:

Counting and Reporting Takes

- a. Any “approach”⁵ of a cetacean constitutes a take by harassment and must be counted and reported.
- b. Regardless of success, any attempt, which includes the associated close approach, to an animal constitutes a take and must be counted and reported.
- c. During aerial surveys flown at an altitude lower than 1,000 ft, any cetacean observed should be counted and reported as a take.
- d. No individual animal may be taken more than 3 times in one day.

⁵ An "approach" is defined as a continuous sequence of maneuvers (episode) [involving a vessel or researcher's body in the water], including drifting, directed toward a cetacean or group of cetaceans closer than 100 yards for large whales, or 50 yards for smaller cetaceans.

General

- e. To minimize disturbance of the subject animals the Permit Holder must exercise caution when approaching animals and must retreat from animals if behaviors indicate the approach may be interfering with reproduction, feeding, or other vital functions.
- f. Where females with calves are authorized to be taken, Researchers:
 - i. Must immediately terminate efforts if there is any evidence that the activity may be interfering with pair-bonding or may be life threatening;
 - ii. Must not position the research vessel between the mother and calf;
 - iii. Must approach mothers and calves gradually to minimize or avoid any startle response; and
 - iv. Must not approach any mother or calf while the calf is nursing.
- g. For research in the inland waters of Washington state:
At all times when vessels engaging in research activities are in the inland waters of Washington, such vessels must fly a clearly visible triangular pennant. The pennant must be yellow in color with minimum dimensions of 18"H x 26"L and with the permit number displayed in 6" high black numerals.
- h. For research in CA/OR/WA:
For activities occurring in near-shore kelp beds in California, Oregon or Washington waters between mid-July and Dec 31, if marbled murrelets are present, researchers must reduce boat speed to 10 miles per hour, maintain a consistent heading, and make only 1 pass through per day.

Aerial Surveys

- i. To minimize disturbance: If an animal shows a response to the presence of the aircraft, the aircraft must leave the vicinity and either resume searching or continue on the line-transect survey.
- j. Aerial flights must not be conducted over pinniped haul out areas.

Non-target Species

- k. This permit does not authorize takes of any protected species not identified in Appendix 1, including those species under the jurisdiction of the USFWS (e.g. sea otters). Should other protected species be

encountered during the research activities authorized under this permit, researchers must exercise caution and remain a safe distance from the animal(s) to avoid take, including harassment.

6. The Permit Holder is ultimately responsible for biological samples⁶ acquired or possessed⁷ under authority of this permit and must comply with the following conditions and the regulations at 50 CFR 216.37.
 - a. Samples must be maintained according to accepted curatorial standards and must be labeled with a unique identifier (e.g., alphanumeric code) that is connected to on-site records with information identifying the:
 - i. species and, where known, age and sex
 - ii. date of collection, acquisition, or import
 - iii. type of sample (e.g., blood, skin, bone)
 - iv. origin (i.e., where collected or imported from)
 - v. legal authority for sample collection (e.g., permit number)
 - b. Samples cannot be bought or sold.
 - c. The Permit Holder may designate Authorized Recipients for analysis and curation of samples related to the permit objectives provided they submit to the Permits Division the following information:
 - i. a copy of the letter designating the recipient and specifying their duties under the permit is forwarded to the Permits Division by facsimile or email on the day of designation;
 - ii. the copy of the letter is accompanied by:
 - the name and affiliation of the recipient
 - the address of the recipient
 - the types of samples to be sent (species, tissue type)
 - whether the disposition is analysis or curation
 - iii. the Permit Holder acknowledges that the designation is subject to review and revocation by the Chief, Permits Division.
 - d. Temporary transfer: samples may be temporarily transferred for analysis or curation related to permit objectives to Authorized Recipients identified in Appendix 2 without additional written authorization.
 - i. Samples not consumed in analysis must be returned to the Permit Holder within the time frame specified by the Permit Holder, unless permanently transferred according to B.6.g.

⁶ Biological samples include, but are not limited to carcasses (whole or parts); and tissues, fluids, or other specimens from live or dead protected species; except feces, urine, and spew collected from the water or ground.

⁷ Authorized methods of sample acquisition are specified in Appendix 1.

- ii. Authorized Recipients may only transfer parts under the direction of the Permit Holder.
- e. Samples belong to the Permit Holder while in the possession of Authorized Recipients. The Permit Holder is responsible for reporting requirements.
- f. The Permit Holder must request written approval from the Permits Division to use samples for purposes not related to the permitted objectives.
- g. For permanent transfer⁸ of samples, and temporary transfers for purposes not related to the permit objectives, sample recipients must be:
 - i. A NMFS or U.S. Fish and Wildlife employee, or other government agency with conservation responsibilities, who receives the sample as part of their official duties;
 - ii. An authorized Stranding Agreement holder for the Marine Mammal Health and Stranding Response Program (for non-ESA listed species only);
 - iii. Permitted to take, import, or possess marine mammal parts of that species; or
 - iv. A holder of a NMFS Regional Authorization letter.
- h. Individuals developing or receiving cell lines must obtain a NMFS permit or be an Authorized Recipient on a permit authorizing cell lines, prior to transfer.
- i. The Permit Holder and Authorized Recipients may continue to possess and use samples acquired under this permit after permit expiration without additional written authorization, provided the samples are maintained as specified in the permit. This excludes:
 - i. Development and use of cell lines;
 - ii. Export or import of samples; or
 - iii. Receipt or transfer of samples without authorization as required in B.6.g above.
- j. The Permit Holder must not import samples into the U.S. from marine mammals:
 - i. Taken in any high seas driftnet fishery after December 31, 1992;
 - ii. Deliberately killed for the express purposes of fulfilling this permit;
 - iii. Taken illegally in the country of origin;
 - iv. Taken during whaling activities not approved by the International Whaling Commission; or
 - v. Taken in a directed fishery, including “drive fisheries.”

⁸ Permanent Transfer means the transfer of legal custody of biological samples to another party.

- k. Marine mammal parts imported under the authority of this permit must be taken in a humane manner, and in compliance with the Marine Mammal Protection Act, the Endangered Species Act, and any applicable foreign laws. Importation of marine mammal parts is subject to the provisions of 50 CFR parts 14, 23 [CITES], 216, and 222.

C. Qualifications, Responsibilities, and Designation of Personnel

1. At the discretion of the Permit Holder, the following Researchers may participate in the conduct of the permitted activities in accordance with their qualifications and the limitations specified herein:
 - a. Responsible Party and Principal Investigator – Kenneth C. Balcomb III
 - b. Co-Investigator(s) – See Appendix 2
 - c. Research Assistants – personnel identified by the Permit Holder or Principal Investigator and qualified to act pursuant to Conditions C.2, C.3, and C.4 of this permit.
2. Individuals conducting permitted activities must possess qualifications commensurate with their roles and responsibilities. The roles and responsibilities of personnel operating under this permit are as follows:
 - a. The Permit Holder is ultimately responsible for activities of individuals operating under the authority of this permit. Where the Permit Holder is an institution/facility, the Responsible Party is the person at the institution/facility who is responsible for the supervision of the Principal Investigator.
 - b. The Principal Investigator (PI) is the individual primarily responsible for the taking, import, export and related activities conducted under the permit. The PI must be on site during activities conducted under this permit unless a Co-Investigator named in Condition C.1 is present to act in place of the PI.
 - c. Co-Investigators (CIs) are individuals who are qualified to conduct activities authorized by the permit, for the objectives described in the application, without the on-site supervision of the PI. CIs assume the role and responsibility of the PI in the PI's absence.
 - d. Research Assistants (RAs) are individuals who work under the direct and on-site supervision of the PI or a CI. RAs cannot conduct permitted activities in the absence of the PI or a CI.

3. Personnel involved in permitted activities must be reasonable in number and essential to conduct of the permitted activities. Essential personnel are limited to:
 - a. Individuals who perform a function directly supportive of and necessary to the permitted activity (including operation of vessels or aircraft essential to conduct of the activity);
 - b. Individuals included as backup for those personnel essential to the conduct of the permitted activity; and
 - c. Individuals included for training purposes.
4. Persons who require state or Federal licenses to conduct activities authorized under the permit (*e.g.*, veterinarians, pilots) must be duly licensed when undertaking such activities.
5. Permitted activities may be conducted aboard vessels or aircraft, or in cooperation with individuals or organizations, engaged in commercial activities, provided the commercial activities are not conducted simultaneously with the permitted activities.
6. The Permit Holder cannot require or receive direct or indirect compensation from a person approved to act as PI, CI, or RA under this permit in return for requesting such approval from the Permits Division.
7. The Permit Holder may add CIs by submitting a request to the Chief, Permits Division that includes a description of the individual's qualifications to conduct and oversee the activities authorized under this permit. If a CI will only be responsible for a subset of permitted activities, the request must also specify the activities for which they would provide oversight.
8. Where the Permit Holder is an institution/facility, the Responsible Party may request a change of PI by submitting a request to the Chief, Permits Division that includes a description of the individual's qualifications to conduct and oversee the activities authorized under this permit.
9. Submit requests to add CIs or change the PI by one of the following:
 - the online system at <https://apps.nmfs.noaa.gov>
 - an email attachment to the permit analyst for this permit
 - a hard copy mailed or faxed to the Chief, Permits Division

D. Possession of Permit

1. This permit cannot be transferred or assigned to any other person.
2. The Permit Holder and persons operating under the authority of this permit must possess a copy of this permit when:
 - a. engaged in a permitted activity;
 - b. a protected species is in transit incidental to a permitted activity; and
 - c. a protected species taken under the permit is in the possession of such persons.
3. A duplicate copy of this permit must accompany or be attached to the container, package, enclosure, or other means of containment in which a protected species or protected species part is placed for purposes of storage, transit, supervision or care.

E. Reports

1. The Permit Holder must submit annual, final, and incident reports containing the information and in the format specified by the Permits Division.
 - a. Reports must be submitted to the Permits Division by one of the following:
 - the online system at <https://apps.nmfs.noaa.gov>
 - an email attachment to the permit analyst for this permit
 - a hard copy mailed or faxed to the Chief, Permits Division, Office of Protected Resources, NMFS, 1315 East-West Highway, Room 13705, Silver Spring, MD 20910; phone (301)427-8401; fax (301)713-0376
 - b. You must contact your permit analyst for a reporting form if you do not submit reports through the online system.
2. Incident reports: must be submitted within two weeks of serious injury and mortality events or exceeding authorized takes, as specified in Conditions found in Part A.
 - a. The incident report must include a complete description of the events and identification of steps that will be taken to reduce the potential for additional serious injury and research-related mortality or exceedence of authorized take.

- b. In addition to the written report, the Permit Holder must contact the Permits Division by phone (301-427-8401) as soon as possible, but no later than within two business days of the incident.
 - c. The Permits Division may grant authorization to resume permitted activities based on review of the incident report and in consideration of the Terms and Conditions of this permit.
 3. Annual reports describing activities conducted during the previous permit year (from June 1st to May 31st) must:
 - a. be submitted by September 1st each year for which the permit is valid; and
 - b. include a tabular accounting of takes and a narrative description of activities and effects.
 4. Final report summarizing activities over the life of the permit must be submitted by (December 1, 2017), or, if the research concludes prior to permit expiration, within 180 days of completion of the research.
 5. Research results must be published or otherwise made available to the scientific community in a reasonable period of time. Copies of technical reports, conference abstracts, papers, or publications resulting from permitted research must be submitted the Permits Division.

F. Notification and Coordination

1. The Permit Holder must provide written notification of planned field work to the applicable NMFS Region at least two weeks prior to initiation of each field trip/season. If there will be multiple field trips/seasons in a permit year, a single summary notification may be submitted per year.
 - a. Notification must include the
 - i. locations of the intended field study and/or survey routes
 - ii. estimated dates of activities
 - iii. number and roles of participants (for example: PI, CI, veterinarian, boat driver, safety diver, animal restrainer, Research Assistant “in training”)
 - b. Notification must be sent to the following Assistant Regional Administrator(s) for Protected Resources as applicable to the location of your activity:

For activities in AK; Arctic Ocean; and Bering, Beaufort, and Chukchi Seas:
Alaska Region, NMFS, P.O. Box 21668, Juneau, AK 99802-1668; phone
(907)586-7235; fax (907)586-7012;

For activities in WA and OR: Northwest Region, NMFS, 7600 Sand Point Way NE, BIN C15700, Bldg. 1, Seattle, WA 98115-0700; phone (206)526-6150; fax (206)526-6426;

For activities in CA and Antarctic: Southwest Region, NMFS, 501 West Ocean Blvd., Suite 4200, Long Beach, CA 90802-4213; phone (562)980-4020; fax (562)980-4027.

2. To the maximum extent practical, the Permit Holder must coordinate permitted activities with activities of other Permit Holders conducting the same or similar activities on the same species, in the same locations, or at the same times of year to avoid unnecessary disturbance of animals. Contact the applicable Regional Office(s) listed in F.1.b for information about coordinating with other Permit Holders.
3. Researchers must comply with protocols provided by the Regional Administrators related to coordination of research, including additional measures deemed necessary to minimize unnecessary duplication, harassment, or other adverse impacts from multiple permit holders.

G. Observers and Inspections

1. NMFS may review activities conducted under this permit. At the request of NMFS, the Permit Holder must cooperate with any such review by:
 - a. Allowing an employee of NOAA or other person designated by the Director, NMFS Office of Protected Resources to observe permitted activities; and
 - b. Providing all documents or other information relating to the permitted activities.

H. Modification, Suspension, and Revocation

1. Permits are subject to suspension, revocation, modification, and denial in accordance with the provisions of subpart D [Permit Sanctions and Denials] of 15 CFR part 904.
2. The Director, NMFS Office of Protected Resources may modify, suspend, or revoke this permit in whole or in part:
 - a. In order to make the permit consistent with a change made after the date of permit issuance with respect to applicable regulations prescribed under section 103 of the MMPA and section 4 of the ESA;

- b. In a case in which a violation of the terms and conditions of the permit is found;
 - c. In response to a written request⁹ from the Permit Holder;
 - d. If NMFS determines that the application or other information pertaining to the permitted activities (including, but not limited to, reports pursuant to Section E of this permit and information provided to NOAA personnel pursuant to Section G of this permit) includes false information; and
 - e. If NMFS determines that the authorized activities will operate to the disadvantage of threatened or endangered species or are otherwise no longer consistent with the purposes and policy in Section 2 of the ESA.
3. Issuance of this permit does not guarantee or imply that NMFS will issue or approve subsequent permits or amendments for the same or similar activities requested by the Permit Holder, including those of a continuing nature.

I. Penalties and Permit Sanctions

1. A person who violates a provision of this permit, the MMPA, ESA, or the regulations at 50 CFR 216 and 50 CFR 222-226 is subject to civil and criminal penalties, permit sanctions, and forfeiture as authorized under the MMPA, ESA, and 15 CFR part 904.
2. NMFS shall be the sole arbiter of whether a given activity is within the scope and bounds of the authorization granted in this permit.
 - a. The Permit Holder must contact the Permits Division for verification before conducting the activity if they are unsure whether an activity is within the scope of the permit.
 - b. Failure to verify, where NMFS subsequently determines that an activity was outside the scope of the permit, may be used as evidence of a violation of the permit, the MMPA, the ESA, and applicable regulations in any enforcement actions.

⁹ The Permit Holder may request changes to the permit related to: the objectives or purposes of the permitted activities; the species or number of animals taken; and the location, time, or manner of taking or importing protected species. Such requests must be submitted in writing to the Permits Division in the format specified in the application instructions.

J. Acceptance of Permit

1. In signing this permit, the Permit Holder:
 - a. Agrees to abide by all terms and conditions set forth in the permit, all restrictions and relevant regulations under 50 CFR Parts 216, and 222-226, and all restrictions and requirements under the MMPA, and the ESA;
 - b. Acknowledges that the authority to conduct certain activities specified in the permit is conditional and subject to authorization by the Office Director; and
 - c. Acknowledges that this permit does not relieve the Permit Holder of the responsibility to obtain any other permits, or comply with any other Federal, State, local, or international laws or regulations.



Helen M. Golde
Acting Director, Office of Protected Resources
National Marine Fisheries Service

JUN 05 2012

Date Issued

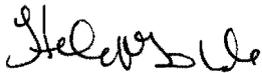
Kenneth C Balcomb III
Director
Center for Whale Research
Responsible Party and Principal Investigator

Date Effective

FILE COPY

J. Acceptance of Permit

1. In signing this permit, the Permit Holder:
 - a. Agrees to abide by all terms and conditions set forth in the permit, all restrictions and relevant regulations under 50 CFR Parts 216, and 222-226, and all restrictions and requirements under the MMPA, and the ESA;
 - b. Acknowledges that the authority to conduct certain activities specified in the permit is conditional and subject to authorization by the Office Director; and
 - c. Acknowledges that this permit does not relieve the Permit Holder of the responsibility to obtain any other permits, or comply with any other Federal, State, local, or international laws or regulations.



Helen M. Golde
Acting Director, Office of Protected Resources
National Marine Fisheries Service

JUN 05 2012

Date Issued

Kenneth C Balcomb III
Director
Center for Whale Research
Responsible Party and Principal Investigator

Date Effective

Appendix 1: Table Specifying the Kinds of Protected Species, Locations, and Manner of Taking

Table 1: Authorized Annual Takes¹⁰ for Marine Mammals Year-Round During Aerial and Vessel Surveys primarily in inland marine waters of Washington State, as well as the coastal eastern North Pacific from California to Alaskan waters east of Kodiak Island and all territorial waters up to 200 nautical miles offshore.

SPECIES	LIFESTAGE	SEX	AUTHORIZED TAKES	TAKES PER ANIMAL	PROCEDURES
Whale, killer (Southern Resident DPS)	All	Male and Female	8500	100	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, killer (all other populations)	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, blue	All	Male and Female	100	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, fin	All	Male and Female	100	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, humpback	All	Male and Female	300	20	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, sperm	All	Male and Female	100	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, gray	All	Male and Female	5,000	20	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, sei	All	Male and Female	100	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal

¹⁰ Takes = the maximum number of animals that may be targeted for research annually in each row of the table.

SPECIES	LIFESTAGE	SEX	AUTHORIZED TAKES	TAKES PER ANIMAL	PROCEDURES
Whale, Bryde's	All	Male and Female	5,000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, right, North Pacific	All	Male and Female	10	2	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, minke	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, Cuvier's beaked	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, Baird's beaked	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, Mesoplodon beaked	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Whale, unidentified beaked (Longman's beaked whale)	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Porpoise, Dall's	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Porpoise, harbor	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Dolphin, Pacific white-sided	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal

SPECIES	LIFESTAGE	SEX	AUTHORIZED TAKES	TAKES PER ANIMAL	PROCEDURES
Dolphin, Risso's	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Sea lion, California	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Sea lion, Steller	All	Male and Female	100	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Seal, harbor	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal
Seal, Northern fur	All	Male and Female	5000	10	Acoustic, passive recording; Collect, remains for predation study; Count/survey; Measure; Observations, behavioral; Photogrammetry; Photo-id; Sample, fecal

Appendix 2: NMFS-Approved Personnel for Permit No. 15569.

The following individuals are approved to act as Co-Investigators pursuant to the terms and conditions under Section C (Qualifications, Responsibilities, and Designation of Personnel) of this permit.

Name of Co-Investigator
Susan Berta
John Durban
David Kay Ellifrit
Holly Fearnbach
Emma Foster
Howard Garrett
Erin Heydenreich
Astrid Maria van Ginneken
Daniel J. McSweeney