

XII. Permits, Species Killed, Captured

The following chart provides information on Antarctic Conservation Act (P.L. 95-541) Permits issued during 1 July 2006 to 30 June 2007.

Permit #	Active Dates	Permit Activity	Location	Purpose
2007-001	01 Sep 06 – 28 Feb 2009	Taking; Import into the USA	Erebus Bay, McMurdo Sound	Collection of blood and milk from lactating Weddell seals, and blood from nursing and weaned young to determine importance of food intake to lactating Weddell seals and their young.
2007-002	01 Jan 07 – 31 Aug 2008	Introduce non-indigenous species to Antarctica.	Palmer Station, Anvers Island	Previously captured Antarctica diatoms and filamentous macroalgae were isolated in culture in the U.S. These cultures will be used to perform feeding bioassays where amphipods are offered algae from culture and extract bioassays where the effects of secondary metabolites extracted from large macroalgae are measured on algae from culture.

Permit #	Active Dates	Permit Activity	Location	Purpose
2007-003	26 Dec 06 – 30 Apr 2011	Taking; Import into the USA; Entry into ASPA	Cape Shirreff (ASPA 149), Livingston Island, Seal Island, and King George Island	Pinniped and seabird studies encompass census surveys, attendance, diving, foraging, diet, age determination, pathology and long term monitoring (tagging) of Antarctic Fur seals and Leopard seals. An intermittent censuses of all seabirds at Cape Shirreff will be taken. A subset of Chinstrap and Gentoo penguins will be captured, banded, instrumented, weighted, measured and stomachs flushed to examine population dynamics.
2007-004	01 Oct 06 – 31 Dec 2006	Introduce non-indigenous species to Antarctica	McMurdo Station, Ross Island	Introduce a species of New Zealand fish to the frigid Antarctic waters in the McMurdo aquarium to assess the responses of these fish using genomics techniques, and the results compared to those of Antarctic species.
2007-005	01 Apr 07 – 31 Jly 2007	Take; Introduce non-indigenous species to Antarctica	Western Bransfield Strait (ASPA #152), East Dallmann Bay, (ASPA # 153)	Introduce frozen fish bate from Chile to capture Antarctic fish via bottom trawling. Caught fish will be transported to the Palmer Station Lab to study the physiology and biochemistry of Antarctic fishes.
2007-006	01 Sep 06 - 31 Jan 2009	Taking; Entry into ASPA	McMurdo Sound, Cape Crozier (ASPA 124), Cape Bird, Beufort Island (ASPA 105) and Cape Washington	Collect up to 10 Adelie penguins, 80 Emperor adults and 20 Emperor chicks to investigate diving physiology and heavier and continue annual census.

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2007-007	01 Oct 06 – 28 Feb 2008	Take; Import into the USA	McMurdo Sound	Capture up to 96 Weddell seals for measurements, ultrasound of blubber thickness, collection of blood and tissue samples and Aliquots. Data collected is used to investigate the small-scale, immediate and obvious effects of aging on the diving and exercise capability of adult Weddell seals.
2007-008	20 Oct 06 – 31 Jan 2007	Introduce non-indigenous species to Antarctica	Ross Sea (onboard R/V N.B. Palmer)	Use of previously collected Antarctic phytoplankton (<i>Phaeocystis Antarctica</i> , <i>Pseudo-nitzschia</i> sp., and <i>Fragilariopsis cylindrus</i>) for experiments onboard ship as there may not be sufficient time to collect phytoplankton samples while at sea.
2007-009	20 Dec 06 – 28 Feb 2007	Entry into ASPA	New College Valley, Cape Bird (ASPA 116)	Enter the site to look for ancient seal remains and collecting seal hair/skin and penguin bones to help understand the past relationship between southern elephant seals and Adelie penguins.
2007-010	01 Sep 06 – 30 Sep 2009	Take; Entry to ASPA	Cape Evans (ASPA #155); Backdoor Bay (ASPA #157); Hut Point (ASPA #158)	Collect small samples of wood, soil and organic materials to identify microbes that may cause degradation to woods in the historic huts of the Ross Sea and Antarctic Peninsula.

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2007-011	01 Oct 06 – 28 Feb 2009	Entry to ASPA	Beaufort Island (ASPA #105); Cape Royds (ASPA #121); Arrival Heights (ASPA #122); Cape Crozier (ASPA 124); Canada Glacier (ASPA #131); Cape Evans (ASPA #155); Backdoor Bay (ASPA #157); Hut6 Point (ASPA 158)	Raytheon Polar Services Company multimedia (civilian support contractor for USAP) is often tasked by NSF to gather professional video footage of scientists working in the field for a variety of purposes for news and print media.
2007-012	21 Nov 06 – 31 Jan 2007	Take; Entry into AsPA	Arrival Heights (ASPA #122)	Collection of soil samples and permafrost measurements to study the temporal and spatial scales of various types of disturbance in and around McMurdo Station as part of an ongoing environmental monitoring program.
2007-013	12 Nov 06 – 31 Dec 2006	Entry into ASPA	Cape Shirreff (ASPA #149)	U.S. Treaty Inspection Team to inspect U.S. (NOAA) Cape Shirreff Field Station and Chilean Field Camp of Guillermo Mann.
2007-014	01 Dec 06 – 28 Feb 2008	Introduction of Non-indigenous species	McMurdo Station Crary Lab	Cultures of <i>Phaeocystis Antarctica</i> , Ciliate, <i>Rhodomonas salina</i> , <i>Dunaliella tertiolecta</i> , and mixed phytoplankton to be used to conduct a series of incubation experiments to determine growth, photosynthetic activities and trophic processes under controlled conditions.

ASPA = Antarctic Specially Protected Area (formerly SPA's and SSSI's)