

XII. Permits, Species Killed, Captured

The following chart provides information on Antarctic Conservation Act (P.L. 95-541) Permits issued during 1 July 2002 to 30 June 2003.

| Permit # | Active Dates | Permit Activity | Location | Purpose |
|----------|-------------------------|---|---|--|
| 2003-002 | 01 Nov 02 – 15 Feb 2005 | Taking; Entry into ASPA | Cape Crozier (ASPAs #154); Cape Royds (ASPAs #121); Beaufort Island (ASPAs #105); Cape Adare (ASPAs #158) | Tag chicks, collect stomach samples, weigh, attach PTT tags to investigate the demography of Adelic penguins inhabiting a cluster of colonies on Ross and Beaufort Island to determine why some colonies are growing more quickly than others. |
| 2003-003 | 01 Oct 02 – 01 Oct 2003 | Taking; Import into the U.S.; Entry into ASPA | Cape Crozier (ASPAs #541); Beaufort Island (ASPAs #105) | Census the Emperor penguin colonies at these two locations to determine the extent of the adverse impact of the B15 iceberg has had on these colonies |
| 2003-004 | 01 Oct 02 – 30 Sep 2007 | Taking | Palmer Station, Anvers Island and Marguerite Bay vicinity, Antarctic Peninsula | Census, tag, weigh, collect stomach samples, and attach transmitters to seabirds as a continuation of a long-term ecological research program to assess how annual environmental variability affects seabird populations. |

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|----------|-------------------------|-------------------------------|---|---|
| 2003-005 | 01 Oct 02 – 30 Sep 2007 | Taking; Entry into APSA | Litchfield Island (ASPA #113); Biscoe Point (ASPA #139); Dion Island (ASPA #107); Avian Island (ASPA #117); & Lagotellerie Island (ASPA #115) | Census, tag, weigh, collect stomach samples, and attach transmitters to seabirds as a continuation of a long-term ecological research program to assess how annual environmental variability affects seabird populations. |
| 2003-006 | 01 Oct 02 – 30 Sep 2007 | Taking | Palmer Station and vicinity | Salvage specimens of various species, that died of natural causes, and preserve for use in teaching and research institutions. |
| 2003-007 | 01 Oct 02 – 28 Feb 2003 | Entry into ASPA | Beaufort Island (ASPA #105), New College Valley (ASPA #116), Cape Royds (ASPA #121), and Cape Crozier (ASPA #124) | Photo documentation of adverse affects of the large icebergs in McMurdo Sound on the local penguin rookeries. |
| 2003-008 | 01 Dec 02 – 01 Apr 2003 | Take and Import into U.S.A. | Palmer Station and local islands in the vicinity | Collect small bones, feathers, broken egg shells, etc. for educational displays in elementary schools. |
| 2003-009 | 01 Oct 02 – 28 Feb 2004 | Take and Import into the U.S. | Crary Lab, McMurdo Station | Import <i>E. coli</i> and algae cultures to be used to replicate DNA during gene cloning, and as food for antarctic larval forms reared in the lab. All cultures will be sterilized and or auto-laved to kill the cells at the end of the season. |

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|----------|-------------------------|---|---|---|
| 2003-010 | 01 Nov 02 – 31 Jan 2003 | Entry into ASPA | Fildes Peninsula (ASPAs #125), Byers Peninsula (ASPAs #126), Potter Peninsula (ASPAs #132), Chile Bay (Discovery Bay) (ASPAs #144), Cape Shirreff (ASPAs #149), Ardley Island (ASPAs #150), Lions Rump (ASPAs #151), & Western Bransfield Strait (ASPAs #152) | Access to sites to examine the glacial geology and raised beaches of the South Shetland Islands in order to gain a better understanding of the climate and glacial history of the area. Dig small pits in the sediment to examine internal structure and to collect samples for later grain-size analysis and radiocarbon dating. |
| 2003-011 | 05 Oct 02 – 31 Dec 2002 | Take | McMurdo Station and immediate vicinity | To quantify the dynamics of lipid uptake and utilization in naturally foraging mammalian carnivores, such as seals. Blood samples will be taken to gain insight into the difficult field of carnivore foraging biology. |
| 2003-012 | 01 Oct 02 – 28 Feb 2007 | Take, Entry into ASPA, & Import into the U.S.A. | White Island (ASPAs #137), McMurdo Sound, & Ross Sea | Continuation of a long-term research program on Weddell seals. Seals will be censused, tagged, weighed, blood, urine samples taken, VHF & satellite transmitters |
| 2003-013 | 05 Nov 02 – 28 Feb 2003 | Introduce non-indigenous species to Antarctica | Crary Science & Engineering Lab, McMurdo Station | Use of brine shrimp larva as food for Antarctic larval fish for use within the Crary Lab. |
| 2003-015 | 07 Oct 02 – 31 Jan 2003 | Entry into ASPA | Cape Evans hut (ASPAs #154), Cape Royds hut (ASPAs #156), & Discovery hut (ASPAs #157) | Photograph images from the historic huts for an article in the New York Time science section, and to take images for a book on the history of human habitation in Antarctica. |

| Permit # | Active Dates | Permit Activity | Location | Purpose |
|----------|-------------------------|--|---|---|
| 2003-016 | 02 Jan 02 – 28 Feb 2003 | Entry into ASPA | Camp facilities at Cape Crozier (ASPA #124) | To perform an Environmental Field Camp Audit to include documentation of camp footprint, as well as compliance of applicable waste and E,H&S protocols. |
| 2003-017 | 05 Apr 03 – 30 Aug 2005 | Introduce non-indigenous species into Antarctica | Vicinities of Low, Brabant, Anvers, and Livingston Islands, Antarctic Peninsula | Use frozen fish tissues from fish species native to Patagonia, Chile, as bait in experimental fishing of fish traps/pots. Collected fish will be used in the study of biochemistry and molecular biology of Antarctic fishes. |
| 2003-018 | 05 Apr 03 – 30 Aug 2005 | Introduce non-indigenous species into Antarctica | Vicinities of Low, Brabant, Anvers, and Livingston Islands, Antarctic Peninsula | Use frozen fish tissues from fish species native to Patagonia, Chile, as bait in experimental fishing of fish traps/pots. Collected fish will be used in the study of biochemistry and molecular biology of Antarctic fishes. |

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